

**ENVIRONMENTAL DATA SUMMARY REPORT**  
**PORT ACCESS ROAD**  
**CHARLESTON COUNTY, SOUTH CAROLINA**  
S&ME Project No. 1131-08-554

Prepared for:  
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June 26, 2015



June 26, 2015

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Attention: Mr. Chris Gaskins, P.E., P.G.

**Reference: Environmental Data Summary Report**  
Port Access Road  
Charleston County, South Carolina  
SCDOT File No. 10.037345A  
S&ME Project No. 1131-08-554

Dear Mr. Gaskins:

S&ME, Inc. (S&ME) has completed an Environmental Data Summary Report for the referenced properties located in Charleston County, South Carolina. Our services were provided in general accordance S&ME Proposal No. 34-08-087B, dated June 29, 2010. The attached report presents our assessment procedures, the assessment results, and our conclusions. To meet the requirements of the South Carolina Department of Health and Environmental Control (SCDHEC) well approvals, the attached report should be submitted to the SCDHEC.

We appreciate the opportunity to be of service on this project. If you have any questions concerning this report, do not hesitate to contact us.

Sincerely,

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## **1. INTRODUCTION**

S&ME, Inc. (S&ME), as requested by the South Carolina Department of Transportation (SCDOT), has completed an Environmental Data Summary Report for the project identified as Port Access Road in Charleston County, South Carolina. This assessment was performed in general accordance S&ME Proposal No. 34-08-087B, dated June 29, 2010. The subject properties include 63 Charleston County tax parcels identified by the SCDOT as Tracts 1 through 70. Tract 36 and Tract 64 were omitted. Tracts 65, 66, 68, 69, and 70 are not identified with tax map numbers.

The subject properties are located in the neck area of the Charleston Peninsula. Properties reviewed as part of this assessment includes: land parallel to Interstate-26, Spruill Avenue, and Stromboli Avenue; land for a new road to connect Interstate-26 with the proposed Marine Container Terminal at the Charleston Naval Complex and Bainbridge Avenue; and land for a new road to connect Spruill Avenue with Bainbridge Avenue. A Site Vicinity Map is included as Figure 1.

## **2. BACKGROUND AND PHASE I ESA FINDINGS**

The proposed project is a new road that will connect the proposed Marine Container Terminal at the former Charleston Naval Complex (CNC) to Interstate 26 in Charleston County, South Carolina. The road will be a new alignment with predominantly elevated structures and a new interchange at Interstate-26. The project also includes new and improved sections of surface roads in the immediate project area. The total length of the project is approximately 5 miles and includes the planned acquisition of multiple parcels of property. The project will entail the demolition of several existing structures including two highway overpasses.

According to the Phase I Environmental Site Assessment (ESA) report prepared by S&ME dated January 24, 2011, recognized environmental conditions (RECs) were identified both on-site and off-site of the subject properties. A list of the RECs is presented below.

### On-site

- Regulatory status and historical property ownership of Tract 1 and Tract 66 as part of a former phosphate fertilizer facility property.
- Regulatory status and historical property use of Tract 4, Tract 4A, Tract 4B, Tract 4C, and Tract 4D as part of the Rhodia chemical company and former phosphate fertilizer facilities.
- Regulatory status of Van Ness Sign & Leasing Site and historical property use/ownership of Tract 5 and Tract 68 by oil companies.
- Historical presence of a gasoline tank on Tract 6.

- Past operation of Southern Chemical and Professional Carpet Sales on Tract 11 and historical ownership of Tract 9, Tract 10, and Tract 11 by Southern Chemical.
- Historical land use as a machine shop since 1981 and stained soils on Tract 20.
- Previous land use as an automobile junk yard, observed mounds, and historical auto shop on Tract 22.
- Historical property use of Tract 24 as a gasoline station.
- Historical property use of Tract 25 as a hydraulic and auto repair shop since at least 1955.
- Historical property use of Tract 26 as an auto body shop from 1975 to 1990 and the historical property ownership by Atlantic Pest Control Company in 1960.
- Historical property use of Tract 28 and Tract 61 as a truck repair shop with floor drains, trough drains, oils, lubricants, parts washers, and an oil water separator.
- Regulatory status and historical property use of Tracts 29, 30, 31, 32, 33, 59, and 65 as part the Macalloy Facility, a ferrochromium alloy smelting plant.
- Regulatory status of Solid Waste Management Unit (SWMU) 9 and SWMU 196 and historical land use of Tract 34, Tract 35 and Tract 70 as a landfill on the former Navy Base and groundwater contamination exceeding the South Carolina Department of Health of Environmental Control (SCDHEC) Risk Based Screening Levels (RBSLs) associated with the underground storage tanks (USTs) previously located at Building 661.
- Historical land use of Tract 37 as the Charleston County incinerator and documented groundwater contamination.
- Historical operation of a blast pit and the spent materials from the blasting on Tract 38.
- Operation of chassis repair shop and stained soils on Tract 39.
- Operation of a stevedoring repair shop and oil water separator on Tract 43.
- The previous use of a petroleum UST on Tract 45 with no closure assessment.
- Groundwater contamination exceeding the SCDHEC RBSLs and the historical operation of the wash bay, the associated underground piping, and potential for an oil-water separator on Tract 46.
- Groundwater contamination on Tract 47 associated with the plume on Tract 46.
- An active petroleum UST release with additional assessment pending on Tract 49.
- Historical property use of Tract 57 as a gasoline station.
- Historical property use of Tract 62 as a junk yard.
- The former TriState landfill.
- Septic tanks on non-residential properties.
- The unknown source and content of fill material in marshlands.
- Historical ownership of Tract 1, Tract 66, Tract 2, Tract 3, Tracts 4, 4A, 4B, 4C, and 4D, Tract 5, Tract 23 and Tract 63 by fertilizer and chemical companies.

Offsite

- Current operations, stained soil, and underground piping associated with the ASTs on Tract 38.



- Historical use of the property on the southwest corner of the intersection of Disher Street and King Street Extension (eastern adjoining property of Tract 20) as an auto junk yard, used auto parts store and the current use as a truck repair shop.
- Previous operation of Maloney Fertilizer on the eastern/northeastern adjoining property of Tract 2 and Tract 3.
- Previous operation of a drycleaner located in the northeast corner of the intersection of Corona Street and Riverview Avenue.
- B.L. Montegue & Co., located north of Azalea Drive at its intersection with King Street Extension.
- Historical operation of a filling (retail petroleum) station, auto repair shops, and a scrap yard on the northern off-site portion of Tract 67.
- Infinger Transportation Company located approximately 800 feet from the subject property.
- Excel Apparatus Services, General Electric Company, and Besco Facility listed on the UST, FTTS, UST, RCRA-NonGen, PADS, Brownfields, and SHWS databases approximately 1000 feet from subject property.
- Phosphate plants, chemical companies, fertilizer companies, bulk oil terminals, and the former Navy Base have operated in the neck area of the Charleston Peninsula since the 1800s.

Figure 2 presents a Site Map showing the project area and each of the Charleston County tax parcels identified by the SCDOT as Tracts 1 through 70 (except Tract 36 and Tract 64, which were omitted).

### **3. ENVIRONMENTAL MEDIA ASSESSMENT PROCEDURES**

Environmental media assessment activities were conducted in an effort to assess potential environmental impacts from the recognized environmental conditions identified in the January 24, 2011 Phase I ESA. The environmental media assessed included soil, groundwater, sediment, and surface water. Assessment activities included installing soil borings, collecting soil samples from the soil borings for laboratory analysis, installing temporary monitoring wells, collecting groundwater samples from the temporary wells for laboratory analysis, and collecting surface water and sediment samples for laboratory analysis. The following sections detail our activities. We conducted environmental media assessment activities on 30 of the 68 properties, although media samples were not collected on each of the 30 properties as some of the properties were grouped together during the assessment. The property assessments are summarized below.

<b>SCDOT Tract Number</b>	<b>Site Name</b>
1 and 66	Ashley River Center Parcel 002 Property
4, 4A, 4B, 4C, and 4D	Rhodia Chemical Company Property
6	Southern Lumber
22	Former Automobile Junkyard
24	Former Sharpton's Triangle Service Center

SCDOT Tract Number	Site Name
26	Plantation Painters
28 and 61	Road 1 Truck Repair
29, 30, 31, 32, 33, 59, and 65	Macalloy
34, 35, and 70	Former Charleston Navy Base
37	Former Montenay Incinerator
40	Former Tri-State Landfill (Park South)
43	Stevedoring Repair Shop
44	Former Tri-State Landfill (Stromboli)
45	CC South Site
57	Former Retail Petroleum Station
62	Former Automobile Junkyard
67	Calvary AME Church Lot

### 3.1 Monitoring Well Approval and Navy Dig Permit

Prior to conducting the assessment activities, S&ME submitted requests to the SCDHEC and the Navy BRAC Program Management Office Southeast for approval to install temporary groundwater monitoring wells on the subject properties. SCDHEC issued Temporary Monitoring Well Approval Numbers: 4378, 4379, 4380, 4381, 4382, and 4383 dated November 7, 2011; 4422 dated December 8, 2011; 4447 dated January 24, 2012; 4471 and 4473 dated February 21, 2012; and, MW-09341 and MW-09343 dated October 1, 2013; and MW-09869 dated November 4, 2014. The Navy issued a LUC Area Construction (Dig) Permit on September 2, 2011 approving installation of monitoring wells on the former Navy Base.

Copies of the Monitoring Well Approvals and the Navy Dig Permit are enclosed in Appendix I.

### 3.2 Health and Safety Plan

S&ME prepared a Site-Specific Health and Safety Plan (HASP) in compliance with 29 CFR 1910.120 to protect S&ME employees and guide the safe operation during site activities related to the environmental media assessment.

### 3.3 Utility Locating

S&ME contacted Palmetto Utilities Protection Service (PUPS) to mark the utilities in the areas of proposed work. Additionally, S&ME used in-house locating equipment to search for underground utilities with Radio Frequency Electromagnetic Equipment (RFEM) prior to commencement of field exploration.

### **3.4 Sampling Methods**

Sampling and analytical work conducted at the property was performed in general accordance with the EPA Region IV *Field Branches Quality System and Technical Procedures* (FBQSTP) to the extent detailed in each task activity described below. Sampling equipment in direct contact with samples were constructed of glass, stainless-steel, or Teflon<sup>®</sup> and handled by an environmental technician and/or professional donning nitrile gloves. The borings were advanced using a direct push sampling rig (GeoProbe<sup>®</sup> or similar) or hand auger.

### **3.5 Analytical Laboratory and Analytical Suite**

S&ME contacted an SCDHEC-certified analytical laboratory to order the appropriate sample glassware and chain-of-custody forms for use in the field. S&ME used the analytical services of TestAmerica, Inc. located in Nashville, Tennessee (SCDHEC certification no. 84009), Knoxville, Tennessee (SCDHEC certification no. 84001), Savannah, Georgia (SCDHEC certification no. 98001001), and Richland, Washington (NELAC certification no. WA100002).

Soil, groundwater, sediment, and surface water collected from the site were analyzed for: Target Compound List (TCL) volatile organic compounds (VOCs) by SW-846 Method 8260B; TCL semivolatile organic compounds (SVOCs) by SW-846 Method 8270D; and Target Analyte List (TAL) Metals by SW-846 Methods 6010C and 7470A/7471B - water samples collected for metals analysis were analyzed for total (unfiltered) and dissolved (filtered) metals.

Based on the findings from Phase I ESA, additional parameters were added to the analytical suite for some of the SCDOT Tracts. These parameters included Dioxins/Furans by SW846 Method 8290A; Hexavalent Chromium by SW-846 Method 7196A; TCL Pesticides by SW-846 Method 8081B; TCL Polychlorinated Biphenyls (PCBs) by SW-846 Method 8082A; Radon-222 by EPA Method 913.0 Mod; and Radium-226 by EPA Method 903.1 and HASL 300.

S&ME collected sufficient sample volumes allowing the analytical laboratory to analyze Matrix Spike and Matrix Spike Duplicate samples. Trip blanks provided by the laboratory were stored with samples collected during the sampling event to determine if samples were contaminated during storage and/or shipment. A trip blank was maintained in sample coolers containing VOC samples and was analyzed for VOCs.

For each soil sample collected, an additional soil sample volume was sent to the laboratory. If the initial laboratory results indicated additional disposal characterization was needed, the additional sample volume was analyzed for specific Toxicity Characteristic Leaching Procedure (TCLP) Metals by SW-846 Extraction Method 1311 as necessary.

### **3.6 Decontamination Procedures**

Decontamination of sampling and other equipment in the field was performed to reduce the potential for cross-contamination of samples with the sampling device. Prior to initial exploration activities, drilling equipment was cleaned with high pressure hot water and allowed to dry. Stainless steel sampling equipment was cleaned with tap water and a phosphate-free laboratory detergent (using a brush if necessary to remove particulate matter and surface films); rinsed with tap water; rinsed with organic-free water; and placed on a clean foil-wrapped surface to air-dry. Cleaning was performed similarly between each boring location.

The collected liquid and solid waste was combined with other investigative-derived waste (IDW), placed in a plastic, 55-gallon drums and appropriately labeled.

### **3.7 Sampling Locations**

The boring locations for each site were recorded. S&ME differentially corrected and converted the locations to a Computer-Aided Design and Drafting (CADD) compatible format for use in mapping of locations. The assessed locations are graphically presented on Figure 3 with tabulated State Plane Coordinates of each test location shown.

### **3.8 Soil Sampling**

Based on information obtained in the Phase I ESA and site accessibility, S&ME selected locations for soil borings. The soil borings were conducted using a track-mounted direct push rig that hydraulically advanced decontaminated rods lined with new disposable tube samplers into the soil, or were conducted using a hand auger. Continuous soil samples were collected from the ground surface (or just below the surface pavement) to the termination of the borings.

We observed and screened the soil samples collected at each boring at approximately 2-foot depth intervals. The collected soil samples were described for textural characteristics and physically assessed for direct indications (stains and odors) of possible impact. A Toxic Vapor Analyzer (TVA) equipped with a flame ionization detector (FID), which can detect some volatile organic vapors, was used to screen the soils. To conduct the TVA field screening, a portion of each soil sample was placed into a new resealable plastic bag and allowed to equilibrate toward ambient temperature conditions for approximately 15 minutes. The probe of the TVA was then inserted into the head space of the bag and the maximum measurement in parts per million (ppm) was recorded.

The TVA results indicated varying concentrations of volatile organic vapors at various borings and depths. A surficial soil sample was collected at each boring location at a depth of 0-2 feet below the ground surface. A subsurface soil sample interval was collected at each boring location based on field screening and observations except where field conditions limited assessment as described in Section 4 of this report.

Soil samples were placed into laboratory-supplied sample containers. Sample containers were filled, taking care to prevent soil from remaining in the lid threads prior to being closed to prevent potential contaminant migration to or from the sample. Sample containers were closed as soon as they were filled and placed in an iced cooler. The soil samples were then shipped via overnight courier to TestAmerica Laboratories, Inc. (TA) for analysis.

A summary of the TVA screening results are on the soil boring logs which are provided in Appendix II.

### **3.9 Temporary Well Installation and Groundwater Sampling**

At the selected soil boring locations, S&ME extended the borings to varying depths to penetrate the groundwater table and install temporary monitoring wells. The temporary wells were installed by a direct push sampling rig.

The temporary wells were constructed of 4 feet of 1.0-inch diameter slotted stainless-steel screen (0.004-inch) at the bottom and 1.5-inch diameter steel casing from the top of the screen to the ground surface. The groundwater samples from each depth interval were extracted to the ground surface using new polyethylene tubing and a check valve. Any variations are described in Section 4 of this report.

A portion of each groundwater sample was collected in to new resealable plastic bags for field screening. After allowing approximately 15 minutes for potential organic vapors to emanate into the headspace of the bag, the probe of a TVA equipped with an FID was inserted into the bag and the maximum measurement in ppm was recorded. TVA readings provide a semi-quantitative indication of the presence of volatile organic vapors within a sample.

S&ME also collected a portion of each groundwater sample into laboratory supplied 40 mL vials to screen in the field using an AQR<sup>®</sup> Color-Tec instrument with PCE colorimetric tubes. The TVA and PCE screening results are presented on Table 1.

The samples were collected into laboratory-supplied containers and immediately placed on ice in a laboratory-supplied cooler. The groundwater samples were shipped via overnight courier to TA for analysis.

Following collection of the groundwater samples, the well screens were removed and the borings were abandoned with bentonite/cement grout. The wells were installed and abandoned in general accordance with the South Carolina Well Regulations and Standards (R. 61-71). A South Carolina Certified Well Driller performed the well

installation and abandonment activities. The Water Well Records (SCDHEC Form 1903) are provided in Appendix III.

The results of this assessment are required to be forwarded to the SCDHEC as a condition of the well permits that were obtained for this scope of work. As a result, this report will be submitted to the SCDHEC by S&ME pending approval by the SCDOT.

### **3.10 Sediment Sampling**

Based on information obtained in the Phase I ESA and site accessibility, S&ME selected locations for sediment sampling. S&ME collected samples from the sediment surface to an approximate depth of 0.5 foot below the sediment surface using a decontaminated stainless-steel hand auger. The sediment samples were placed into laboratory-supplied sample containers. Sample containers were filled, taking care to prevent soil from remaining in the lid threads prior to being closed to prevent potential contaminant migration to or from the sample. Samples were placed on ice in a laboratory-supplied cooler. The cooler was shipped via overnight courier to TA for analysis.

### **3.11 Surface Water Sampling**

Based on information obtained in the Phase I ESA and site accessibility, S&ME selected locations for surface water sampling. S&ME collected surface water directly into laboratory-supplied sample containers. Samples were immediately placed on ice in a laboratory-supplied cooler and shipped via overnight courier to TA for analysis.

### **3.12 Investigative-Derived Waste**

Soil cuttings generated during the assessment activities were placed in 55-gallon drums to await proper disposal. The drums were labeled according to content, sampling media, location and date generated. Drums containing IDW from assessment conducted on the former Navy Base were stored on Tract 35 near Building 661. Drums containing IDW from assessment conducted on the former Macalloy Site were stored on the SCDOT right-of-way of Talluah Road. A&D Environmental Services, Inc. (A&D) transported 19 drums on December 17, 2013 from the former Navy Base and former Macalloy Site to their facility in Archdale, North Carolina. The drums removed by A&D included IDW generated during S&ME's geotechnical assessment of the subject property. Manifests documenting disposal are provided in Appendix IV.

Drums containing IDW from assessment conducted on other areas of the site were stored on the SCDOT right-of-way under the Interstate-26 overpass of Austin Avenue. The SCDOT coordinated disposal of the drums located under Interstate-26 with ARM Environmental Services, Inc.

One drum of IDW, generated during assessment at Solvay, is currently stored on the SCDOT right-of-way under the Interstate-26 overpass of Austin Avenue. S&ME will arrange for appropriate disposal of the drum at the SCDOT's request.

#### **4. SITE BACKGROUNDS AND ASSESSMENT RESULTS**

The assessment results for soil, groundwater, sediment, and surface water sampling are detailed in the following sections.

We compared the soil sample analytical results to screening values for soil listed the USEPA's Regional Screening Levels for Chemical Contaminants at Superfund Sites table dated January 2015 (SL Table) as detailed below. The SL Summary Table contains various risk-based concentrations derived from standardized equations combining exposure information assumptions with EPA toxicity data for many different contaminants including some of those detected as part of this assessment. If a contaminant is not listed, then insufficient data exist to develop a screening value and/or the contaminant is not considered sufficiently toxic to warrant a screening value.

The screening values for soil listed below are for comparison purposes only; they are not enforceable by the USEPA or the SCDHEC and are not considered cleanup standards. However, the SCDHEC routinely considers the screening values for soil for initial evaluation of contaminant concentrations.

The specific USEPA screening values for soil to which the analytical results were compared included the:

- industrial screening levels (ISLs) for exposure to soil through ingestion, inhalation of particulates, and dermal contact;
- residential screening levels (RSLs) for exposure to soil through ingestion, inhalation of particulates, and dermal contact; and,
- soil screening levels for potential contaminant migration from soil to groundwater based on EPA maximum contaminant levels for drinking water (SSL-MCLs) or, if no MCL is listed for the parameter, soil screening levels for potential contaminant migration from soil to groundwater based on the risk-based screening levels for tapwater (SSL-Tap). The SSL-MCL and SSL-Tap are calculated using a dilution attenuation factor (DAF) of 1.

The RSLs and ISLs used for comparison are based on Target Cancer Risk of 1E-06 and a Target Non-Cancer Hazard Quotient of 1.

We compared the soil sample analytical results for metals to published background levels of inorganic elements found in South Carolina soils. According to data presented in *Elements in South Carolina Inferred Background Soil and Stream Sediment Samples*

(Canova 1999) South Carolina Geology, the average and range for arsenic in South Carolina soil is 6.1 mg/kg and 0.23 mg/kg – 210 mg/kg, respectively. Also, according to data presented in *Elemental Concentrations in Soils of South Carolina* (Franklin *et al.* 2003) Soil Science, the geometric mean and range for arsenic in South Carolina surface soil is 2.5 mg/kg and <2.8 mg/kg – 10 mg/kg, respectively.

We compared the groundwater sample analytical results to the maximum contaminant levels (MCLs) for drinking water set forth in the South Carolina Primary Drinking Water Regulations, R.61-58. If no MCL is listed for the parameter, we compared the groundwater sample analytical results to the USEPA screening levels for tap water (TWSLs) listed in the SL Table.

The MCLs are SCDHEC-enforced standards for drinking water. Per the SCDHEC Water Classifications & Standards, R.61-68, South Carolina groundwater must meet the MCLs. The other screening values (TWSLs) are for comparison purposes only.

A parameter's exceedance of the SSL-MCL/Taps in a soil sample indicates the potential for that parameter to leach from soil to groundwater such that the concentration of that parameter in groundwater exceeds the applicable MCL or TWSL. Discussions of soil to groundwater pathway are discussed below.

We compared the sediment sample analytical results to the same screening values as the soil sample results (RSLs, ISLs, SSL-MCLs, and SSL-Taps, as described above) as well as the Sediment Screening Values (SSV) for Hazardous Waste Sites (Table 3) obtained from the USEPA Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment updated November 30, 2001.

According to data presented in *Elements in South Carolina Inferred Background Soil and Stream Sediment Samples* (Canova 1999) South Carolina Geology, the average and range of metals in South Carolina sediment are:

- arsenic - average of 1.5 mg/kg and range of 0.26 mg/kg – 16 mg/kg;
- cadmium - average of 0.8 mg/kg and range of 0.13 mg/kg – 10 mg/kg;
- chromium - average of 11 mg/kg and range of 1 mg/kg – 47 mg/kg;
- copper - average of 6 mg/kg and range of 0.64 mg/kg – 30 mg/kg;
- lead - average of 11 mg/kg and range of 0.57 mg/kg – 76 mg/kg;
- mercury - average of 0.15 mg/kg and range of 0.025 mg/kg – 0.25 mg/kg;
- nickel - average of 5 mg/kg and range of 1.5 mg/kg – 51; and,
- zinc - average of 23 mg/kg and range of 1.0 mg/kg – 200 mg/kg.

We compared the surface water sample analytical results to the same screening values as the groundwater sample results (MCLs and TWSL, as described above) as well as the Water Quality Numeric Criteria (WQNC) for the Protection of Aquatic Life and Human



Health based on consumption of Water and Organisms and Organisms Only values in the SC Water Classifications and Standards, R.61-68 dated June 22, 2012.

For samples which were analyzed for dioxins/furans, we calculated the Total Toxic Equivalent (TEQ) by multiplying the detected concentrations of 17 individual dioxins/furans (or the laboratory estimated detection levels (EDLs), if the parameter was not detected) by the toxic equivalency factor (TEF) and summing the results. We used the World Health Organization (WHO) 2005 TEFs. We compared the calculated Total Dioxin/Furan TEQs to the screening levels for the individual dioxin 2,3,7,8-TCDD.

We compared Radium-226 soil results to surface and subsurface soil screening levels obtained from Subpart B of 40 CFR Part 192. The concentration criterion for surface soil (5 pCi/g of Radium-226) is a health-based standard. The concentration criterion for subsurface soil (15 pCi/g of Radium-226) is not a health-based standard, but rather was developed for use in limited circumstances to determine when buried tailings had been detected.

We compared the Radium-226 groundwater sample analytical results to the combined Radium-226 and Radium-228 MCL for drinking water set forth in the South Carolina Primary Drinking Water Regulations, R.61-58.

We compared the Radon-222 groundwater analytical results to the USEPA proposed level (4,000 pCi/L) for community water suppliers (water systems that serve 25 or more year round residents) in states that develop EPA-approved, enhanced State radon in indoor air programs (called Multimedia Mitigation Programs). Under the proposed regulation, community water systems in States that choose not to develop enhanced indoor air programs will be required to reduce radon levels in drinking water to 300 pCi/L. The USEPA does not regulate private wells. There is no federally-enforced drinking water standard for Radon.

We compared the TCLP sample results to Table 1 – Maximum Concentration of Contaminants for the Toxicity Characteristic listed in 40 CFR 261.24 dated July 1, 2011.

The analytical results indicated that the MDLs for some parameters were greater than certain screening values. The analytical laboratory (TA) is certified by SCDHEC and the MDLs are consistent with industry standards. Some of the risk-based screening values are derived from mathematical equations and are below what current analytical methods can detect. Therefore, based on the absence of detections for tested parameters at concentrations greater than industry standards acceptable to SCDHEC, additional assessment of the parameters reported as non-detect but having MDLs exceeding screening values in the soil and groundwater is not warranted.

Sample locations are presented on Figure 3. Analytical results are summarized on Tables 2 through 29. Laboratory reports are included as Appendix V.

Based on the planned non-residential use of the site, analytical parameters detected in soil samples at concentrations exceeding the ISLs and in groundwater samples at concentrations exceeding MCLs are included in the conclusion sections below. Refer to the discussion sections and Tables 2 through 29 for comparison of soil sample analytical results to additional screening levels.

## **4.1 Tract 1 and Tract 66 – Ashley River Center Parcel 002 Property**

### **4.1.1 Site Background**

Tract 1 and Tract 66, known as the Ashley River Center Parcel 002 Property, (Charleston County TMS # 469-00-00-002) was historically owned by chemical and oil companies. The property owner representative indicated worker housing for the Virginia Carolina fertilizer plant was previously on or near Tract 1. Phosphate fertilizer manufacturing occurred along the Ashley River near Tract 1 beginning in the late 1800s.

Widening of Interstate 26 to accommodate for the new Port Access Road will require additional right-of-way from Tract 1 and Tract 66. Based on the historical use of the property by former chemical and oil companies, the site soil and groundwater was analyzed for VOC, SVOC, and TAL Metals.

Surficial and subsurface soil samples were collected from two borings (Tract 1 SB-1 and Tract 1 SB-2) for laboratory analysis. The subsurface soil sample interval was selected based on the field screening results. Temporary monitoring wells were installed at three depth intervals in each boring location. Based on field screening results and lithological observations, groundwater samples were collected for laboratory analysis from two temporary monitoring wells (Tract 1 TW-1 (54-60) and Tract 1 TW-2 (26-30)).

### **4.1.2 Soil Results**

#### Tract 1 SB-1 (0-2):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 15 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron, lead, and manganese concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.

#### Tract 1 SB-1 (36-40):

- One VOC (acetone) was detected at a concentration greater than the MDL but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Aluminum,

cobalt, iron, lead, and manganese concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.

Tract 1 SB-2 (0-2):

- Three VOCs (acetone, benzene, and toluene) were detected at concentrations greater than the MDLs. Benzene concentration exceeded the SSL-MCL. Acetone and toluene were detected at concentrations less than applicable screening values.
- Nine SVOCs were detected at concentrations greater than the MDLs. Benzo(a)anthracene concentration exceeded the SSL-Tap. Benzo(a)pyrene concentration exceeded the RSL. Benzo(b)fluoranthene concentration exceeded the RSL and SSL-Tap. Other detected SVOCs (benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, and pyrene) concentrations were less than applicable screening values.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, iron, lead, manganese, mercury, and selenium concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.

Tract 1 SB-2 (50-54):

- One VOC (acetone) was detected at a concentration greater than the MDL but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Aluminum, cobalt, iron, lead, manganese, and selenium concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.

#### 4.1.3 Groundwater Results

Tract 1 TW-1 (54-60):

- One VOC (toluene) was detected at a concentration greater than the MDL but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 13 of the 23 TAL Metals were detected at concentrations greater than the MDLs but less than applicable screening levels.

Tract 1 TW-2 (26-30):

- One VOC (toluene) was detected at a concentration greater than the MDL but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic and total lead concentrations exceeded the MCLs. Total iron and total manganese concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening values.

#### 4.1.4 Discussion

Two surficial soil samples, two subsurface soil samples, and two groundwater samples were collected on Tract 1. Samples were analyzed for VOC, SVOC, and TAL Metals.

One VOC (benzene) was detected in one surficial soil at a concentration exceeding SSL-MCL. Three SVOCs (benzo(a)anthracene, benzo(a)pyrene, and benzo (b)fluoranthene) were detected in one surficial soil at concentrations exceeding RSLs and/or SSL-Taps. Arsenic was detected in each of the collected soil samples at concentrations exceeding the ISL, RSL, and SSL-MCL. Other metals (aluminum, cobalt, iron, lead, manganese, mercury, and selenium) were detected in one or more of the soil samples at concentrations exceeding the SSL-MCL/Taps.

No VOCs or SVOCs were detected in the collected groundwater samples at concentration exceeding screening levels. Two metals (arsenic and lead) were detected in one groundwater sample at concentrations exceeding the MCLs. Iron and manganese were detected in one groundwater sample at a concentration exceeding the TWSLs. Arsenic, iron, manganese, and lead were not detected at concentrations exceeding screening levels in the corresponding laboratory filtered groundwater sample.

#### 4.1.5 Conclusions

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Based on the groundwater results for benzene and benzo(a)pyrene and the filtered groundwater results for aluminum, cobalt, iron, lead, manganese, mercury, and selenium, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

Arsenic and lead were present in one groundwater sample at concentrations exceeding MCLs; however, arsenic and lead concentrations were less than the MCLs in the filtered groundwater sample.

## 4.2 Tract 4, Tract 4A, Tract 4B, Tract 4C, and Tract 4D – Rhodia Chemical Company Property

### 4.2.1 Site Background

Tract 4, Tract 4A, Tract 4B, Tract 4C, and Tract 4D, known as the Rhodia Chemical Company Property, (Charleston County TMS # 466-00-00-011) was historically owned by chemical and oil companies including Virginia-Chemical Corporation, Socony Mobil Oil Company, Inc., Mobil Oil Corporation, and Albright and Wilson, Inc. The Rhodia facility was identified in the EDR Report at the time of the Phase I ESA on the GWCI, LUST, UST, RCR, and SPILLS databases. Mobile Chemical Company, a previous

owner of the property, was identified in the EDR Report at the time of the Phase I ESA on the GWCI, CORRACTS, AIRS, CERC-NFRAP, SHWS, SSTS, RCRA-LQG, TRIS, and RCRA-TSDF databases. The property owner representative indicated the site has been under investigation for over a decade under a RCRA permit and there is a gypsum pile located in the area of the proposed right-of-way.

Widening of Interstate 26 to accommodate for the new Port Access Road will require additional right-of-way from Tract 4, Tract 4A, Tract 4B, Tract 4C, and Tract 4D. Based on the historical use of the property by former chemical and oil companies, the site soil and groundwater was analyzed for VOC, SVOC, TAL Metals, PCBs, pesticides, and the radionuclide Radium-226. Site groundwater was also analyzed for Radon 222.

Surficial and subsurface soil samples were collected from six borings (Tract 4 SB-1, Tract 4 SB-2, Tract 4A SB-1, Tract 4B SB-1, Tract 4C SB-1, and Tract 4D SB-1) for laboratory analysis. The subsurface soil sample interval was selected based on the field screening results. Temporary monitoring wells were installed at two or three depth intervals based on lithological observations in borings Tract 4 SB-1, Tract 4 SB-2, Tract 4A SB-1, Tract 4B SB-1, and Tract 4C SB-1. A temporary monitoring well was not installed and a groundwater sample was not collected from Tract 4D based on site limitations. Based on field screening results, groundwater samples were collected for laboratory analysis from five temporary monitoring wells (Tract 4 TW-1 (8-12), Tract 4 TW-2 (4-14), Tract 4A TW-1 (8-12), Tract 4B TW-1 (6-10), and Tract 4C TW-1 (3-13)). New disposable 10-foot PVC well screens were installed to facilitate groundwater sampling from monitoring wells Tract 4 TW-2 and Tract 4C TW-1 because of slow recharge. We were unable to collect adequate sample volume from Tract 4B TW-1 (6-10) for laboratory analysis of filtered TAL Metals.

#### 4.2.2 Soil Results

##### Tract 4 SB-1 (0-4):

- Sample interval was gypsum, not soil. Gypsum was not analyzed for VOCs, SVOCs, TAL Metals, PCBs, or Pesticides.
- Radium-226 was detected at a concentration greater than the surficial soil screening level.

##### Tract 4 SB-1 (4-8):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cadmium, iron, lead, and selenium concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radium-226 was detected at a concentration greater than the MDL but less than the subsurface soil screening level.

Tract 4 SB-2 (0-2):

- One VOC (methylene chloride) was detected at a concentration greater than the MDL at a concentration that exceeded the SSL-MCL.
- No SVOCs were detected at concentrations greater than the MDLs.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, iron, and manganese concentrations exceeded the SSL-Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radium-226 was detected at a concentration greater than the MDL but less than the surface soil screening level.

Tract 4 SB-2 (40-44):

- Three VOCs (acetone, 2-butanone, and carbon disulfide) were detected at a concentration greater than the MDL but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the RSL and SSL-MCL. Barium, cobalt, iron, lead, and manganese concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radium-226 was detected at a concentration greater than the MDL but less than the subsurface soil screening level.

Tract 4A SB-1 (0-2):

- Three VOCs (acetone, benzene, and methylene chloride) were detected at concentrations greater than the MDLs. Methylene chloride concentration exceeded the SSL-MCL. Other detected VOC concentrations were less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 19 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, iron, and manganese concentrations exceeded the SSL-Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radium-226 was detected at a concentration greater than the MDL but less than the surface soil screening level.

Tract 4A SB-1 (32-36):

- Four VOCs (acetone, 2-butanone, carbon disulfide, and methylene chloride) were detected at a concentration greater than the MDLs. Methylene chloride

concentration exceeded the SSL-MCL. Other detected VOC concentrations were less than applicable screening levels.

- No SVOCs were detected at concentrations greater than the MDLs.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cadmium, iron, lead, and manganese concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radium-226 was detected at a concentration greater than the MDL but less than the subsurface soil screening level.

Tract 4B SB-1 (1-3):

- Gravel encountered to a depth of 1 foot below the ground surface. Surficial soil sample collected from 1-3 feet below the ground surface.
- No VOCs were detected at concentrations greater than the MDLs.
- One SVOC (bis(2-ethylhexyl)phthalate) was detected at concentrations greater than the MDL but less than applicable screening levels.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the RSL and SSL-MCL. Iron concentration exceeded the SSL-Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radium-226 was detected at a concentration greater than the MDL but less than the surface soil screening level.

Tract 4B SB-1 (18-22):

- Four VOCs (acetone, benzene, 2-butanone, and carbon disulfide) were detected at a concentration greater than the MDL but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 19 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, iron, lead, manganese, selenium, and silver concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radium-226 was detected at a concentration greater than the MDL but less than the subsurface soil screening level.

Tract 4C SB-1 (0-2):

- One VOC (2-butanone) was detected at a concentration greater than the MDLs but less than applicable screening values.
- One SVOC (bis(2-ethylhexyl)phthalate) was detected at concentrations greater than the MDL but less than applicable screening levels.

- 13 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron and manganese concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radium-226 was detected at a concentration greater than the MDL but less than the surface soil screening level.

Tract 4C SB-1 (42-46):

- Three VOCs (acetone, 2-butanone, and carbon disulfide) were detected at a concentration greater than the MDL but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 15 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, iron, lead, and manganese concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radium-226 was detected at a concentration greater than the MDL but less than the subsurface soil screening level.

Tract 4D SB-1 (0-2):

- One VOC (methylene chloride) was detected at a concentration greater than the MDLs at a concentration that exceeded the SSL-MCL.
- Three SVOCs (benzo(b)fluoranthene, bis(2-ethylhexyl)phthalate, and phenol) were detected at concentrations greater than the MDLs but less than applicable screening values.
- 19 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Antimony, cadmium, iron, lead, and manganese concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radium-226 was detected at a concentration greater than the surficial soil screening level.

Tract 4D SB-1 (6-10):

- One VOC (methylene chloride) was detected at a concentration greater than the MDL at a concentration that exceeded the SSL-MCL.
- One SVOC (bis(2-ethylhexyl)phthalate) was detected at a concentration greater than the MDL but less than applicable screening levels.
- 8 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Iron concentration exceeded the SSL-Tap. Other detected metal concentrations were less than applicable screening values.



- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radium-226 was detected at a concentration greater than the MDL but less than the subsurface soil screening level.

#### 4.2.3 Groundwater Results

##### Tract 4 TW-1 (8-12):

- No VOCs were detected at concentrations greater than the MDLs.
- One SVOC (bis(2-ethylhexyl)phthalate) was detected at a concentration greater than the MDL but less than applicable screening level.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total and dissolved arsenic, total beryllium, total chromium, and total lead concentrations exceed the MCLs. Total aluminum, total cobalt, total and dissolved iron, total and dissolved manganese, and total vanadium concentrations exceed the TWSLs. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radon-222 was detected at a concentration greater than the MDL but less than the screening level.
- Radium-226 was detected at a concentration greater than the MDL but less than screening level.

##### Tract 4 TW-2 (4-14):

- No VOCs were detected at concentrations greater than the MDLs.
- One SVOC (diethyl phthalate) was detected at a concentration greater than the MDL but less than the applicable screening level.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic and total lead concentrations exceeded the MCLs. Total aluminum, total cobalt, total iron, and dissolved manganese concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radon-222 was detected at a concentration greater than the MDL but less than the screening level.
- Radium-226 was detected at a concentration exceeding the MCL.

##### Tract 4A TW-1 (8-12):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 9 of the 23 TAL Metals were detected at concentrations greater than the MDLs but less than applicable screening values.

- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radon-222 was detected at a concentration greater than the MDL but less than the screening level.
- Radium-226 was detected at a concentration greater than the MDL but less than the screening level.

Tract 4B TW-1 (6-10):

- One VOC (acetone) was detected at concentration greater than the MDL but less than the applicable screening value.
- Five SVOCs (acenaphthene, dibenzofuran, bis(2-ethylhexyl)phthalate, fluoranthene, and fluorene) were detected at a concentration greater than the MDLs. Bis(2-ethylhexyl)phthalate concentration exceeded the MCL. Other detected SVOC concentrations were less than applicable screening levels.
- 12 of the 23 TAL Metals were detected at concentrations greater than the MDLs but less than the applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- One pesticide (gamma-chlordane) was detected at a concentration greater than the MDL. No screening levels have been established for the established for the pesticide.
- Radon-222 was detected at a concentration greater than the MDL but less than the screening level.
- Radium-226 was detected at a concentration greater than the MDL but less than screening level.

Tract 4C TW-1 (3-13):

- One VOC (acetone) was detected at concentration greater than the MDL but less than the applicable screening value.
- One SVOC (diethyl phthalate) was detected at a concentration greater than the MDL but less than applicable screening level.
- 12 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total lead concentration exceeded the MCL. Other detected metal concentrations were less than the applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Radon-222 was detected at a concentration greater than the MDL but less than the screening level.
- Radium-226 was detected at a concentration greater the MCL.

#### 4.2.4 Discussion

Five surficial soil samples, six subsurface soil samples, and five groundwater samples were collected from Tract 4, Tract 4A, Tract 4B, Tract 4C, and Tract 4D. Samples were analyzed for VOC, SVOC, TAL Metals, PCBs, pesticides, and Radium-226. Site

groundwater was also analyzed for Radon-222. One gypsum sample was collected from the surficial interval from Tract 4 and analyzed for Radium-226.

One VOC (methylene chloride) was detected in three surficial soil and two subsurface soil samples at concentrations exceeding the SSL-MCL. Arsenic was detected in four surficial soil and four subsurface soil samples at concentrations exceeding the ISL, RSL, and SSL-MCL. Arsenic was detected in one surface and one subsurface soil samples at concentrations exceeding the RSL and SSL-MCL. Other metals (antimony, barium, cadmium, cobalt, iron, lead, manganese, selenium, and silver) were detected in one or more of the soil samples at concentrations exceeding the SSL-MCL/Taps.

Radium-226 was detected at a concentration greater than the surficial soil screening level in the gypsum sample and one surficial soil sample. No SVOCs, PCBs, or pesticides were detected in the collected soil samples at concentrations exceeding screening levels.

One SVOC (bis(2-ethylhexyl)phthalate) was detected in one groundwater sample at a concentration exceeding the MCL. One metal (arsenic) was detected in two groundwater samples at concentrations exceeding the MCL. One metal (lead) was detected in three groundwater samples at concentrations exceeding the MCL. Two metals (beryllium and chromium) were detected in one groundwater sample at concentrations exceeding the MCLs. Arsenic was detected at a concentration exceeding the MCL in one the corresponding laboratory filtered groundwater samples.

Aluminum, cobalt, iron, and manganese were detected in two groundwater samples at concentrations exceeding the TWSLs. Vanadium was detected in one groundwater sample at concentration exceeding the TWSL. Iron was detected at a concentration exceeding the TWSL in one the corresponding laboratory filtered groundwater samples. Manganese was detected in two filtered groundwater samples at concentrations exceeding the TWSL.

Radium-226 was detected in two groundwater samples at concentrations exceeding the MCL. No VOCs, PCBs, pesticides, or Radon 222 were detected in the collected groundwater samples at concentration exceeding screening levels.

#### 4.2.5 Conclusions

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Radium-226 was detected at a concentration greater than the surficial soil screening level in the gypsum sample and one surficial soil sample.

Based on the groundwater results for methylene chloride and the filtered groundwater results for antimony, barium, cadmium, cobalt, lead, selenium, and silver, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

Iron and manganese were detected in soil samples at concentrations exceeding the SSL-Tap and in filtered groundwater samples at concentrations exceeding the TWSL. MCLs are not established for iron or manganese.

One VOC (bis(2-ethylhexyl)phthalate) was detected in one groundwater sample at a concentration exceeding the MCL. Radium-226 was detected in two groundwater samples at concentrations exceeding the MCL.

One metal (arsenic) was detected in two groundwater samples at concentrations exceeding the MCL. Arsenic was detected at a concentration exceeding the MCL in one of the corresponding laboratory filtered groundwater samples.

One metal (lead) was detected in three groundwater samples at concentrations exceeding the MCL. Two metals (beryllium and chromium) were detected in one groundwater sample at concentrations exceeding the MCLs. However, beryllium, chromium, and lead concentrations were less than the MCLs in the filtered groundwater samples.

### **4.3 Tract 6 – Southern Lumber**

#### **4.3.1 Site Background**

Tract 6 (Charleston County TMS # 466-16-00-099) is currently used by Southern Lumber and Millwork for office space, retail space, millworking, and lumber storage. During the Phase I ESA, observations on the property included two ASTs labeled to contain diesel fuel, a parts washer, and small quantities of oils, fuel, and lubricants. We were unable to confirm if wood treatment occurred on the property.

Widening of Interstate 26 to accommodate for the new Port Access Road will require right-of-way from Tract 6. Based on the historical use of the property by Southern Lumber, the site soil and groundwater was analyzed for VOC, SVOC, TAL Metals, PCBs, and pesticides. Based on initial analytical results, Tract 6 SB-1 (0-2) soil sample was also analyzed for TCLP metals, Tract 6 SB-1 (10-14) was also analyzed for TCLP arsenic, and Tract 6 SB-2 (0-2) soil sample was also analyzed for and TCLP chlordane.

Surficial and subsurface soil samples were collected from two borings (Tract 6 SB-1 and Tract 6 SB-2) for laboratory analysis. The subsurface interval was selected based on the field screening results. Temporary monitoring wells were installed at two depth intervals in each boring location. The shallow temporary well Tract 6 TW-2 (7-11) did not produce enough water for sampling. Based on field screening results and field

conditions, groundwater samples were collected for laboratory analysis from two temporary monitoring wells (Tract 6 TW-1 (8-12) and Tract 6 TW-2 (54-58)).

#### 4.3.2 Soil Results

##### Tract 6 SB-1 (0-2):

- Six VOCs (2-butanone, acetone, ethylbenzene, methylene chloride, toluene, and xylenes) were detected at concentrations greater than the MDLs. One VOC (methylene chloride) concentration exceeded the SSL-MCL. Other detected VOC concentrations were less than applicable screening values.
- 15 SVOCs were detected at concentrations greater than the MDLs. Benzo(a)anthracene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene concentrations exceeded the RSLs and SSL-Taps. Benzo(a)pyrene concentration exceeded the RSL. Other detected SVOCs (acenaphthylene, anthracene, benzo(g,h,i)perylene, benzo(k)fluoranthene, bis(2-ethylhexyl)phthalate, carbazole, chrysene, dibenz(a,h)anthracene, fluoranthene, phenanthrene, and pyrene) concentrations were less than applicable screening values.
- 19 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, iron, lead, manganese, and mercury concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Three TCLP Metals (barium, lead, and selenium) were detected at concentrations less than the TCLP regulatory levels. Other analyzed TCLP Metals were less than the MDLs.

##### Tract 6 SB-1 (10-14):

- One VOC (xylenes) was detected at a concentration greater than the MDL but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron concentration exceeded the RSL and SSL-Tap. Lead, manganese, and mercury concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- TCLP arsenic was not detected at a concentration greater than the MDL.

##### Tract 6 SB-2 (0-2):

- Seven VOCs (2-butanone, acetone, benzene, carbon disulfide, ethylbenzene, toluene, and xylenes) were detected at concentrations greater than the MDLs but less than applicable screening values.
- Two SVOC (bis(2-ethylhexyl)phthalate and fluoranthene) were detected at concentrations greater than the MDLs but less than applicable screening values.

- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, copper, iron, lead, and manganese concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- Five pesticides were detected at concentrations greater than the MDLs. Heptachlor epoxide concentration exceeded the RSL and SSL-MCL. Chlordane and heptachlor concentrations exceeded the SSL-MCL. Other detected pesticide concentrations (alpha-chlordane and gamma-chlordane) were less than applicable screening values.
- TCLP chlordane was not detected at a concentration greater than the MDL.

Tract 6 SB-2 (10-14):

- Two VOCs (2-butanone and acetone) were detected at concentrations greater than the MDL but less than applicable screening values.
- One SVOC (bis(2-ethylhexyl)phthalate) was detected at a concentration greater than the MDL but less than applicable screening values.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt and iron concentrations exceeded the SSL-Taps. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### 4.3.3 Groundwater Results

Tract 6 TW-1 (8-12):

- One VOC (carbon disulfide) was detected at a concentration greater than the MDL but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total chromium, total lead, and dissolved thallium concentrations exceeded the MCLs. Total aluminum, total cobalt, total iron, and total vanadium concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 6 TW-2 (54-58):

- Two VOCs (carbon disulfide and toluene) were detected at concentrations greater than the MDLs but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 19 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total beryllium, total cadmium, total chromium, and total lead concentrations exceeded the MCLs. Total aluminum, total cobalt, total iron, total

manganese, and total vanadium concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening values.

- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### 4.3.4 Discussion

Two surficial soil samples, two subsurface soil samples, and two groundwater samples were collected on Tract 6. Samples were analyzed for VOC, SVOC, TAL Metals, PCBs, and pesticides. Based on initial analytical results, one surficial soil sample was also analyzed for TCLP metals, one subsurface soil sample was also analyzed for TCLP arsenic, and one surficial soil sample was also analyzed for and TCLP chlordane.

One VOC (methylene chloride) was detected in one surficial soil at a concentration exceeding SSL-MCL. One SVOC (benzo(a)pyrene) was detected in one surficial soil sample at a concentration exceeding the RSL. Three SVOCs (benzo(a)anthracene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene) were detected in one surficial soil at concentrations exceeding RSLs and SSL-Taps. Arsenic was detected in each of the collected soil samples at concentrations exceeding the ISL. Iron was detected in one subsurface soil sample at a concentration exceeding the RSL. Other metals (cobalt, copper, iron, lead, manganese, and mercury) were detected in one or more of the soil samples at concentrations exceeding the SSL-MCL/Taps. Heptachlor epoxide was detected in one surficial soil sample at a concentration exceeding the RSL and SSL-MCL. Chlordane and heptachlor were detected in one surficial soil sample at concentrations exceeding the SSL-MCLs. No PCBs or TCLP analytes were detected at concentrations exceeding screening values.

No VOCs, SVOCs, pesticides, or PCBs were detected in the collected groundwater samples at concentration exceeding screening levels. Five total metals (arsenic, beryllium, cadmium, chromium, and lead) were detected in one or both groundwater sample(s) at concentrations exceeding the MCLs. One filtered groundwater sample contained dissolved thallium at a concentration exceeding the MCL.

Four total metals (aluminum, cobalt, iron, manganese, and vanadium) were detected in one or both groundwater sample(s) at concentrations exceeding the TWSL.

#### 4.3.5 Conclusions

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Based on the groundwater results for methylene chloride, benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, chlordane,

heptachlor, and heptachlor epoxide and the filtered groundwater arsenic, cobalt, copper, iron, lead, manganese, and mercury, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

Five metals (arsenic, beryllium, cadmium, chromium, and lead) were present in one or both groundwater samples at concentrations exceeding MCLs; however, concentrations of each were less than the MCLs in the filtered groundwater sample. One metal (thallium) was detected in one filtered groundwater sample at a concentration exceeding the MCL.

#### **4.4 Tract 22 – Former Automobile Junkyard**

##### **4.4.1 Site Background**

Tract 22 (Charleston County TMS # 466-16-00-124) was previously used as a junkyard. What appeared to be soil and asphalt mounds were observed during the Phase I ESA site reconnaissance. The 1955 Sanborn Map indicated there may have been an auto shop on or near Tract 22.

Access from Interstate 26 to the new port will require right-of-way from Tract 22. Based on the historical use of the property, the site soil and groundwater was analyzed for VOC, SVOC, and TAL Metals. Based on initial analytical results, Tract 22 SB-1 (0-2) soil sample was also analyzed for TCLP lead.

Surficial and subsurface soil samples were collected from one boring (Tract 22 SB-1) for laboratory analysis. The subsurface soil sample interval was selected based on the field screening results. Temporary monitoring wells were installed at four depth intervals in the boring. Based on field screening results, a groundwater sample was collected for laboratory analysis from one temporary monitoring well (Tract 22 TW-1 (16-20)).

##### **4.4.2 Soil Results**

###### Tract 22 SB-1 (0-2):

- Two VOCs were detected at concentrations greater than the MDLs. Methyl tert-Butyl Ether (MTBE) concentration exceeded the SSL-Tap. Acetone concentration was less than applicable screening levels.
- Nine SVOCs were detected at concentrations greater than the MDLs. Benzo(a)pyrene concentration exceeded the RSL. Benzo(b)fluoranthene, 2-methylnaphthalene, and naphthalene concentrations exceeded the SSL-Taps. Other detected SVOC (benzo(g,h,i)perylene, benzo(k)fluoranthene, bis(2-ethylhexyl)phthalate, fluoranthene, and pyrene) concentrations were less than the applicable screening levels.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Barium, cobalt, copper, iron, lead, manganese, and mercury concentrations exceed the SSL-



MCL/Taps. Other detected metal concentrations were less than the applicable screening levels.

- TCLP lead concentration was the less than the regulatory level.

Tract 22 SB-1 (4-8):

- Two VOCs were detected at concentrations greater than the MDLs. MTBE concentration exceeded the SSL-Tap. Acetone concentration was less than applicable screening values.
- One SVOC (fluoranthene) was detected at a concentration greater than the MDL but less than applicable screening values.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron, lead, and manganese concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.

#### 4.4.3 Groundwater Results

Tract 22 TW-1 (16-20):

- Three VOCs (bromoform, MTBE, and toluene) were detected at concentrations greater than the MDLs but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total cadmium, total chromium, and total lead concentrations exceeded the MCLs. Total aluminum, total iron, total manganese, and total vanadium concentrations exceeded TWSLs. Other detected metal concentrations were less than applicable screening levels.

#### 4.4.4 Discussion

One surficial soil sample, one subsurface soil sample, and one groundwater sample were collected on Tract 22. Samples were analyzed for VOC, SVOC, and TAL Metals. Based on initial analytical results, the surficial soil sample was also analyzed for TCLP lead.

One VOC (MTBE) was detected in both the surficial and subsurface soil sample at concentrations exceeding the SSL-Tap. Four SVOCs (benzo(a)pyrene, benzo(b)fluoranthene, 2-methylnaphthalene, and naphthalene) were detected in the surficial soil sample at concentrations exceeding the RSL or SSL-Tap. Arsenic was detected in each of the collected soil samples at concentrations exceeding the ISL. Other metals (barium, cobalt, copper, iron, lead, manganese, and mercury) were detected in one or both of the soil samples at concentrations exceeding the SSL-MCL/Taps. TCLP lead was not detected at a concentration exceeding the screening level.

No VOCs or SVOCs were detected in the groundwater sample at concentrations exceeding screening levels. Four metals (arsenic, cadmium, chromium, and lead) were

detected in the groundwater sample at concentrations exceeding the MCLs. Four metals (aluminum, iron, manganese, and vanadium) were detected at concentrations exceeding TWSLs. Metals were not detected at concentrations exceeding screening levels in the laboratory filtered groundwater sample.

#### 4.4.5 Conclusions

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Based on the filtered groundwater results, it does not appear the parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

Four metals (arsenic, cadmium, chromium, and lead) were present in the groundwater sample at a concentration exceeding MCLs; however, concentrations of each were less than the MCLs in the filtered groundwater sample.

### 4.5 Tract 24 – Former Sharpton’s Triangle Service Center

#### 4.5.1 Site Background

Tract 24 (Charleston County TMS # 466-16-00-076) was previously used as a retail petroleum station. City directories listed Sharpton’s Triangle Service Center on the property from 1968 to 1980. A filling (retail petroleum) station was shown on the property in a 1955 Sanborn Map. The facility was not listed in the EDR Report or on the SCDHEC UST database at the time of the Phase I ESA.

Access from Interstate 26 to the new port will require right-of-way from Tract 24. Based on the historical use of the property, the site was assessed for VOC, SVOC, TAL Metals, and PCBs.

Surficial and subsurface soil samples were collected from two borings (Tract 24 SB-1 and Tract 24 SB-2) for laboratory analysis. The subsurface soil sample interval was selected based on the field screening results. Temporary monitoring wells were installed at four depth intervals in each boring location. Based on field screening results, groundwater samples were collected for laboratory analysis from two temporary monitoring wells (Tract 24 TW-1 (4-8) and Tract 24 TW-2 (3-7)).

#### 4.5.2 Soil Results

##### Tract 24 SB-1 (0-2):

- Five VOCs were detected at concentrations greater than the MDLs. Benzene, cyclohexane, ethylbenzene, and isopropylbenzene concentrations exceeded the SSL-MCLs/Taps. No screening levels have been established for the other detected VOC (methylcyclohexane).

- 14 SVOCs were detected at concentrations greater than the MDLs. Naphthalene concentration exceeded the RSL and SSL-Tap. Benzo(a)pyrene concentration exceeded the RSL. Benzo(a)anthracene, benzo(b)fluoranthene, dibenzofuran, and 2-methylnaphthalene concentrations exceed the SSL-Taps. Other detected SVOC concentrations were less than the applicable screening levels.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron and lead concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than the applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.

Tract 24 SB-1 (2-6):

- Four VOCs (cyclohexane, isopropylbenzene, methyl acetate, and methylcyclohexane) were detected at concentrations greater than the MDLs but less than applicable screening values.
- Seven SVOCs were detected at concentrations greater than the MDLs. Naphthalene and 2-methylnaphthalene concentrations exceeded the SSL-Taps. Other detected SVOC concentrations (acenaphthene, fluoranthene, fluorene, phenanthrene, and pyrene) were less than the applicable screening levels.
- 15 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cadmium and iron concentrations exceed the SSL-MCL/Taps. Other detected metal concentrations were less than the applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.

Tract 24 SB-2 (0-2):

- Eight VOCs (acetone, benzene, cyclohexane, ethylbenzene, isopropylbenzene, methylcyclohexane, toluene, and xylenes) were detected at concentrations greater than the MDLs but less than applicable screening levels.
- 11 SVOCs were detected at concentrations greater than the MDLs. Naphthalene concentration exceeded the RSL and SSL-Tap. Benzo(a)anthracene, dibenzofuran, and 2-methylnaphthalene concentrations exceeded the SSL-Taps. Other detected SVOC concentrations (acenaphthene, acenaphthylene, anthracene, fluoranthene, fluorene, phenanthrene, and pyrene) were less than the applicable screening levels.
- Eight of the 23 TAL Metals were detected at concentrations greater than the MDLs. Iron concentration exceeded the SSL-Tap. Other detected metal concentrations were less than the applicable screening levels.
- One PCB (PCB-1242) was detected at a concentration greater than the MDL but less than applicable screening levels.

Tract 24 SB-2 (10-14):

- Five VOCs (carbon disulfide, cyclohexane, ethylbenzene, isopropylbenzene, and methylcyclohexane) were detected at concentrations greater than the MDLs but less than applicable screening levels.
- Two SVOCs were detected at concentrations greater than the MDLs. Naphthalene and 2-methylnaphthalene concentrations exceeded the SSL-Taps.
- Ten of the 23 TAL Metals were greater than the MDLs. Arsenic concentration exceeded the RSL and SSL-MCL. Iron concentration exceeded the SSL-Tap.
- No PCBs were detected at concentrations greater than the MDLs.

#### 4.5.3 Groundwater Results

Tract 24 TW-1 (4-8):

- Seven VOCs (benzene, methylcyclohexane, ethylbenzene, isopropylbenzene, MTBE, toluene, and xylenes) were detected at concentrations greater than the MDLs but less than applicable screening levels.
- Six SVOCs (acenaphthene, anthracene, fluoranthene, fluorene, 2-Methylnaphthalene, and pyrene) were detected at concentrations greater than the MDLs but less than applicable screening levels.
- 19 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total beryllium, total chromium, and total lead concentrations exceeded the MCLs. Total aluminum, total cobalt, total iron, and total vanadium concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.

Tract 24 TW-2 (3-7):

- Eight VOCs were detected at concentrations greater than the MDLs. Benzene concentration exceeded the MCL. Other detected VOC concentrations (carbon disulfide, cyclohexane, methylcyclohexane, ethylbenzene, isopropylbenzene, toluene, and xylenes) were less than applicable screening levels.
- Nine SVOCs were detected at concentrations greater than the MDLs. Benzo(a)anthracene, 2-methylnaphthalene, and naphthalene concentrations exceeded the TWSL. Other detected SVOC concentrations (acenaphthene, anthracene, fluoranthene, fluorene, phenanthrene, and pyrene) were less than applicable screening levels.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total chromium, and total and dissolved lead concentrations exceeded the MCLs. Total aluminum, total cobalt, and total iron concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening levels.
- Two PCBs (PCB-1248 and PCB-1260) were detected at concentrations exceeding the TWSLs.

#### 4.5.4 Discussion

Two surficial soil samples, two subsurface soil samples, and two groundwater samples were collected on Tract 24. Samples were analyzed for VOC, SVOC, TAL Metals, and PCBs.

Four VOCs (benzene, cyclohexane, ethylbenzene, and isopropylbenzene) were detected in one of the surficial soil samples at concentrations exceeding SSL-MCL/Taps. Six SVOCs were detected at concentrations exceeding screening levels. Naphthalene was detected at concentrations exceeding the RSL and SSL-Tap in each of the surficial soil samples and at concentrations exceeding the SSL-Tap in the subsurface soil samples. Benzo(a)pyrene was detected in one surficial soil sample at a concentration exceeding the RSL. Other SVOCs (benzo(a)anthracene, benzo(b)fluoranthene, dibenzofuran, and 2-methylnaphthalene) were detected in one or more of the collected samples at concentrations exceeding the SSL-Taps.

Arsenic was detected in two of the collected soil samples at concentrations exceeding the ISL and one of the collected soil samples at a concentration exceeding the RSL. Four metals (arsenic, cadmium, iron, and lead) were detected in one or more of the soil samples at concentrations exceeding the SSL-MCL/Taps.

One VOC (benzene) was detected in one groundwater sample at a concentration exceeding the MCL. Three SVOCs (benzo(a)anthracene, 2-methylnaphthalene, and naphthalene) were detected in one groundwater sample at concentrations exceeding the TWSLs.

Four metals (arsenic, beryllium, chromium, and lead) were detected in one or both of the groundwater samples at concentrations exceeding the MCLs. Lead was detected in one of the laboratory filtered groundwater samples at a concentration exceeding the MCL.

Iron was detected in both groundwater samples at concentrations exceeding the TWSL. Aluminum, cobalt, iron, and vanadium were detected in one or both of the groundwater samples at concentrations exceeding the TWSL. Two PCBs (PCB-1248 and PCB-1260) were detected in one groundwater sample at concentrations exceeding the MCLs.

#### 4.5.5 Conclusions

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Benzene was present in one groundwater sample at a concentration exceeding the MCL. Two PCBs (PCB-1248 and PCB-1260) were detected in one groundwater sample at

concentrations exceeding the MCLs. Four metals (arsenic, beryllium, chromium, and lead) were present in one or both groundwater samples at concentrations exceeding MCLs. One metal (lead) was detected in one filtered groundwater sample at a concentration exceeding the MCL. Other metals (arsenic, beryllium, and chromium) concentrations were less than the MCLs in the filtered groundwater samples.

Four analytes (2-Methylnaphthalene, benzo(a)anthracene, naphthalene, and lead) were detected in the soils at concentrations exceeding the SSL-Taps. Concentrations of these analytes exceeded the TWSLs in one of the collected groundwater samples. There are no MCLs listed for these analytes.

Based on the groundwater results for cyclohexane, ethylbenzene, isopropylbenzene, benzo(b)fluoranthene, and dibenzofuran and filtered groundwater results for cadmium and iron, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

## **4.6 Tract 26 – Plantation Painters**

### **4.6.1 Site Background**

Tract 26 (Charleston County TMS # 466-16-00-019) was used by Plantation Painters at the time of the Phase I ESA. Paints and thinners were stored inside and out. Plantation Painters is listed on the RCRA-SQG database with no violations. The property owner stated the RCRA listing was from disposing of paint chips that contained lead based paint. City directories listed a body shop on the property (1975-1990). A store was shown on the property in a 1955 Sanborn Map. Historical ownership indicated Atlantic Pest Control previously owned the property. The adjoining property to the north has been used as a repair shop since at least 1955.

Access from Interstate 26 to the new port will require right-of-way from Tract 26. Based on the historical use of the property and the northern adjacent property, the site was assessed for VOC, SVOC, TAL Metals, PCBs, and pesticides. Based on initial analytical results, Tract 26 SB-1 (0-2) soil sample was also analyzed for TCLP lead.

Surficial and subsurface soil samples were collected from one boring (Tract 26 SB-1) for laboratory analysis. The subsurface soil sample interval was selected based on the field screening results. Temporary monitoring wells were installed at three depth intervals in the boring. Based on field screening results, a groundwater sample was collected for laboratory analysis from one temporary monitoring well (Tract 26 TW-1).

### **4.6.2 Soil Results**

#### Tract 26 SB-1 (0-2):

- Two VOCs (1,2-dichloroethane and acetone) were detected at concentrations greater than the MDLs but less than applicable screening levels.

- Eight SVOCs were detected at concentrations greater than the MDLs. Benzo(a)anthracene and benzo(b)fluoranthene concentrations exceeded the SSL-Taps. Other detected SVOC concentrations (benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, phenanthrene, and pyrene) were less than applicable screening levels.
- 15 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron, lead, and manganese concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- Two pesticides were detected at concentrations greater than the MDLs. Dieldrin concentration exceeded the ISL, RSL, and SSL-Tap. 4,4'-DDD concentration was less than applicable screening levels.
- TCLP lead was less than the regulatory level.

Tract 26 SB-1 (52-55):

- Six VOCs (acetone, benzene, carbon disulfide, ethylbenzene, methylcyclohexane, and toluene) were detected at concentrations greater than the MDLs but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 13 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic, iron, and manganese concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- Two pesticides were detected at concentrations greater than the MDLs. Dieldrin concentration exceeded the SSL-Tap. 4,4'-DDT concentration was less than applicable screening levels.

#### 4.6.3 Groundwater Results

Tract 26 TW-1 (26-30):

- One VOC (toluene) was detected at a concentration greater than the MDL but less than applicable screening values.
- No SVOCs detected at concentrations greater than the MDLs.
- 19 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total beryllium, total chromium, and total lead concentrations exceeded the MCLs. Total aluminum, total cobalt, total iron, total manganese, and total vanadium concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### 4.6.4 Discussion

One surficial soil sample, one subsurface soil sample, and one groundwater sample were collected on Tract 26. Samples were analyzed for VOC, SVOC, TAL Metals, PCBs, and pesticides. Based on initial analytical results, one surficial soil sample was also analyzed for TCLP lead.

No VOCs were detected at concentrations exceeding screening levels in the collected soil samples. Two SVOCs (benzo(a)anthracene and benzo(b)fluoranthene) were detected in the surficial soil sample at concentrations exceeding the SSL-Taps. Arsenic was detected at a concentration exceeding the ISL, RSL, and SSL-MCL in the surficial soil sample and at a concentration exceeding the SSL-MCL in the subsurface soil sample. Three metals (iron, lead, and manganese) were detected in the soil at concentrations exceeding the SSL-MCL/Taps. No PCBs were detected in the soil samples at concentration exceeding screening levels. One pesticide (dieldrin) was detected in the surficial soil sample at a concentration exceeding the ISL, RSL, and SSL-Tap and in the subsurface soil sample at a concentration exceeding the SSL-Tap. TCLP lead was not detected at a concentration exceeding the screening level.

No VOCs or SVOCs were detected at concentrations exceeding screening levels in the collected groundwater sample. Four metals (arsenic, beryllium, chromium, and lead) were detected at concentrations exceeding the MCLs. Aluminum, cobalt, iron, manganese, and vanadium were detected at concentrations exceeding the TWSLs. Metals were not detected in the filtered groundwater samples at concentrations exceeding screening levels. No PCBs or pesticides were detected in the groundwater at concentrations exceeding screening levels.

#### 4.6.5 Conclusion

One pesticide (dieldrin) was detected in the surficial soil sample at a concentration exceeding the ISL.

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Based on the groundwater results for benzo(a)anthracene, benzo(b)fluoranthene, and dieldrin and filtered groundwater results for iron, lead, and manganese, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

Four metals (arsenic, beryllium, chromium, and lead) were detected in the groundwater at concentrations exceeding the MCLs; however, concentrations of each were less than the MCLs in the filtered groundwater sample.



## 4.7 Tract 28 and Tract 61 – Road 1 Truck Repair

### 4.7.1 Site Background

Tract 28 and Tract 61 (Charleston County TMS # 466-16-00-017 and 466-16-00-016) are developed with a truck repair shop. Closed floor drains, trough drains, oils, lubricants, parts washers, oil water separator, batteries, drums, a tote, and an AST were observed on-site during the Phase I ESA site reconnaissance. Steel or concrete plates were observed east of the building. They were not lifted. Their purpose is unknown. A large store was shown on the property in a 1955 Sanborn Map. City directory listings for the property, 2102 Meeting Street Road, included Jones Truck Service (2009), Road 1 (2009), BPK Construction Equipment Sales and Service (1996 and 1985), Hertz Corporation (1975 and 1970), Livingston's Self Service food store (1961), and Triangle Service Center (1961).

Access from Interstate 26 to the new port will require right-of-way from Tract 28 and Tract 61. Based on the historical use of the property, the site was assessed for VOC, SVOC, TAL Metals, PCBs, and pesticides.

A surficial soil sample was collected from one boring (Tract 28 SB-1) for laboratory analysis. A subsurface interval was not selected based on shallow direct push advancement refusal and the field screening results. Temporary monitoring wells were installed at four depth intervals in the boring. Based on field screening results, a groundwater sample was collected for laboratory analysis from one temporary monitoring well (Tract 28 TW-1 (40-44)).

### 4.7.2 Soil Results

#### Tract 28 SB-1 (0-2):

- Three VOCs (acetone, benzene, and toluene) were detected at concentrations greater than the MDLs but less than applicable screening levels.
- No SVOCs were detected at concentrations greater than the MDL.
- 15 of the 23 TAL Metals detected at concentrations greater than the MDL. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron, lead, and manganese concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- One pesticide (4,4'-DDT) was detected at a concentration greater than the MDL but less than applicable screening levels.

### 4.7.3 Groundwater Results

#### Tract 28 TW-1 (40-44):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 20 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total beryllium, total cadmium, total chromium, total lead, and total

selenium concentrations exceeded the MCLs. Total aluminum, total cobalt, total iron, total manganese, and total vanadium concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening levels.

- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### 4.7.4 Discussion

One surficial soil sample and one groundwater sample were collected on Tract 28. Samples were analyzed for VOC, SVOC, TAL Metals, PCBs, and pesticides.

No VOCs or SVOCs were detected at concentrations exceeding screening levels in the collected soil sample. Arsenic was detected at a concentration exceeding the ISL, RSL, and SSL-MCL. Three metals (iron, lead, and manganese) were detected at concentration exceeding the SSL-MCL/Taps. No PCBs or pesticides were detected in the soil samples at concentrations exceeding screening levels.

No VOCs or SVOCs were detected at concentrations exceeding screening levels in the collected groundwater sample. Six metals (arsenic, beryllium, cadmium, chromium, lead, and selenium) were detected at concentrations exceeding the MCLs. Aluminum, cobalt, iron, manganese, and vanadium were detected at concentrations exceeding TWSLs. Metals were not detected in the filtered groundwater samples at concentrations exceeding screening levels. No PCBs or pesticides were detected in the groundwater at concentrations exceeding screening levels.

#### 4.7.5 Conclusion

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Based on filtered groundwater results for iron, lead, and manganese, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

Six metals (arsenic, beryllium, cadmium, chromium, lead, and selenium) were detected in the groundwater at concentrations exceeding the MCLs; however, concentrations of each were less than the MCLs in the filtered groundwater sample.

### **4.8 Tracts 29, 30, 31, 32, 33, 59, 65– Macalloy**

#### 4.8.1 Site Background

Tract 29 (TMS# 466-00-00-063), Tract 30 (TMS# 466-00-00-052), Tract 31 (TMS# 466-00-00-066), Tract 32 (TMS# 466-00-00-064), Tract 33 (TMS# 466-00-00-010), Tract 59 (TMS# 466-00-00-062), and Tract 65 (marshland of Shipyard Creek, not identified with TMS#) are part of the former Macalloy Corporation site where a ferrochromium alloy

smelting plant operated from 1941 until 1998. The site is on the National Priorities List (NPL) because of contaminated groundwater, sediment, and soil from past operations. Contaminants of concern are hexavalent chromium, arsenic, copper, lead, zinc, radium 226, thorium 232, potassium 40, and uranium 235. Radiation on the site was found in the former concentrator area on the southwest part of the property. Hexavalent chromium in the groundwater is being treated by injection of sodium dithionite and ferrous sulfate. Site cleanup activities for industrial land use were completed in 2006. Five-year reviews are conducted by the EPA. The first was completed in 2010. The second is required to be completed in July 2015.

Access from Interstate 26 to the new port will require right-of-way from Tract 29, Tract 30, Tract 31, Tract 32, Tract 33, Tract 59, and Tract 65. Based on the historical use of the property, the site was assessed for VOC, SVOC, TAL Metals, hexavalent chromium, PCBs, and pesticides. Based on initial analytical results, Tract 29 SB-1 (4-8) and Tract 33 SB-2 (0-2) soil samples were also analyzed for TCLP metals.

A surficial and subsurface soil sample was collected from six borings (Tract 29 SB-1, Tract 29 SB-2, Tract 33 SB-1, Tract 33 SB-2, Tract 33 SB-3, and Tract 33 SB-4) for laboratory analysis. Temporary monitoring wells were installed at two depth intervals in the borings. Groundwater was not encountered in the shallow temporary well Tract 33 TW-3 (8-12). Based on field screening results and field conditions, a groundwater sample was collected for laboratory analysis from six temporary monitoring wells (Tract 29 TW-1 (8-12), Tract 29 TW-2 (24-28), Tract 33 TW-1 (20-24), Tract 33 TW-2 (20-24), Tract 33 TW-3 (20-24), and Tract 33 TW-4 (16-20)).

#### 4.8.2 Soil Results

##### Tract 29 SB-1 (0-2):

- One VOC (carbon disulfide) was detected at a concentration greater than the MDL but less than applicable screening levels.
- One SVOC (bis(2-ethylhexyl)phthalate) was detected at a concentration greater than the MDL but less than applicable screening levels.
- 15 of the 23 TAL Metals detected at concentrations greater than the MDL. Arsenic concentration exceeded the RSL and SSL-MCL. Cobalt and iron concentrations exceeded the SSL-Taps. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium concentration exceeded the RSL and SSL-Tap.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

##### Tract 29 SB-1 (4-8):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 17 of the 23 TAL Metals detected at concentrations greater than the MDL. Lead concentration exceeded the RSL and SSL-MCL. Cadmium, cobalt, iron,

manganese, nickel, and zinc concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.

- Hexavalent chromium concentration exceeded the RSL and SSL-Tap.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- Two TCLP metals (barium and lead) were detected at concentrations were detected at concentrations less than the TCLP regulatory levels. Other analyzed TCLP Metals were less than the MDLs.

Tract 29 SB-2 (0-2):

- Four VOCs were detected at concentrations greater than the MDLs. One VOC (methylene chloride) concentration exceeded the SSL-MCL. Other detected VOC concentrations (acetone, 2-butanone, and carbon disulfide) were less than applicable screening levels.
- Four SVOCs were detected at concentrations greater than the MDLs. Benzo(a)pyrene concentrations exceeded the RSLs. Other detected SVOCs concentrations (benzo(b)fluoranthene, benzo(k)fluoranthene, and bis(2-ethylhexyl)phthalate) were less than applicable screening levels.
- 18 of the 23 TAL Metals detected at concentrations greater than the MDL. Arsenic concentration exceeded the RSL and SSL-MCL. Cadmium, cobalt, iron, lead, manganese, and nickel concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 29 SB-2 (4-8):

- Three VOCs (2-butanone, acetone, and carbon disulfide) were detected at concentrations greater than the MDLs but less than applicable screening levels.
- No SVOCs were detected at concentrations greater than the MDLs.
- 16 of the 23 TAL Metals detected at concentrations greater than the MDL. Arsenic concentration exceeded the RSL, and SSL-MCL. Cadmium and iron concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 33 SB-1 (0-2):

- No VOCs were detected at concentrations greater than the MDLs.
- One SVOCs (bis(2-ethylhexyl)phthalate) was detected at concentrations greater than the MDLs but less than applicable screening levels.

- 18 of the 23 TAL Metals detected at concentrations greater than the MDL. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cadmium, cobalt, and iron concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium concentration exceeded the RSL and SSL-Tap.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 33 SB-1 (4-8):

- One VOC (methylene chloride) was detected at a concentration greater than the MDL but less than applicable screening levels.
- One SVOC (dimethyl phthalate) was detected at a concentration greater than the MDL but less than applicable screening levels.
- 17 of the 23 TAL Metals detected at concentrations greater than the MDL. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cadmium, cobalt, and iron concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium concentration exceeded the RSL and SSL-Tap.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 33 SB-2 (0-2):

- Six VOCs (1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 2-butanone, acetone, and chlorobenzene) were detected at a concentration greater than the MDL but less than applicable screening levels.
- One SVOC (dimethyl phthalate) was detected at a concentration greater than the MDL but less than applicable screening levels.
- 14 of the 23 TAL Metals detected at concentrations greater than the MDL. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron concentration exceeded the RSL and SSL-Tap. Cadmium, cobalt, copper, lead, manganese, and nickel concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- Ten pesticides were detected at concentrations greater than the MDLs. Beta-BHC concentration exceeded the RSL and SSL-Tap. Alpha-BHC, chlordane, 4,4-DDD, 4,4-DDE, and 4,4-DDT concentrations exceeded the SSL-MCL/Taps. Other detected pesticide concentrations (delta-BHC, alpha-chlordane, gamma-chlordane, and heptachlor) were less than applicable screening levels.
- Four TCLP metals (barium, chromium, lead, and selenium) were detected at concentrations less than the TCLP regulatory levels. Other analyzed TCLP Metals were less than the MDLs.

Tract 33 SB-2 (10-14):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 18 of the 23 TAL Metals detected at concentrations greater than the MDL. Arsenic concentration exceeded the RSL and SSL-MCL. Cadmium, cobalt, and iron concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- Three pesticides (4,4-DDD, 4,4-DDE, and 4,4-DDT) were detected at concentrations greater than the MDLs but less than applicable screening levels.

Tract 33 SB-3 (0-2):

- One VOC (carbon disulfide) was detected at a concentration greater than the MDL but less than applicable screening levels.
- 25 SVOCs were detected at a concentration greater than the MDL. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenz(a,h)anthracene concentrations exceeded the ISLs, RSLs, and SSL-MCL/Taps. Benzo(k)fluoranthene and indeno(1,2,3-cd)pyrene concentrations exceeded the RSLs and SSL-Taps. Chrysene, dibenzofuran, 2-methylnaphthalene, and naphthalene concentrations exceeded the SSL-Taps. Other detected SVOCs concentrations (acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, butyl benzyl phthalate, carbazole, di-n-butyl phthalate, bis(2-ethylhexyl)phthalate, fluoranthene, fluorene, 3/4-methylphenol, 4-nitrophenol, phenanthrene, phenol, and pyrene) were less than applicable screening levels.
- 20 of the 23 TAL Metals detected at concentrations greater than the MDL. Arsenic concentration exceeded the RSL and SSL-MCL. Antimony, barium, cobalt, iron, lead, manganese, and mercury concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- One PCB (PCB-1248) was detected at a concentration greater than the MDL but less than applicable screening levels. No other PCBs were detected at concentrations greater than the MDLs.
- Two pesticides (4,4-DDE and 4,4-DDT) were detected at concentrations greater than the MDLs but less than applicable screening levels.

Tract 33 SB-3 (14-18):

- Four VOCs (2-butanone, acetone, carbon disulfide, and chloromethane) concentrations greater than the MDLs but less than applicable screening levels.

- One SVOC (phenol) was detected at a concentration greater than the MDLs but less than applicable screening levels.
- 18 of the 23 TAL Metals detected at concentrations greater than the MDL. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cadmium, cobalt, iron, and manganese concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 33 SB-4 (0-2):

- Two VOCs (acetone and benzene) concentrations were greater than the MDLs but less than applicable screening levels.
- 13 SVOCs were detected at a concentration greater than the MDLs. Benzo(a)pyrene concentration exceeded the RSL. Benzo(a)anthracene and benzo(b)fluoranthene concentrations exceeded the SSL-Taps. Other detected SVOCs concentrations (acenaphthene, anthracene, benzo(k)fluoranthene, carbazole, chrysene, dibenzofuran, fluoranthene, fluorene, phenanthrene, and pyrene) were less than applicable screening levels.
- 19 of the 23 TAL Metals detected at concentrations greater than the MDL. Arsenic concentration exceeded the RSL and SSL-MCL. Cobalt, iron, lead, and manganese concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- Three pesticides (4,4-DDD, 4,4-DDE, and 4,4-DDT) were detected at concentrations greater than the MDLs. 4,4-DDD concentration exceeded the SSL-Tap. Other detected concentrations were less than applicable screening levels.

Tract 33 SB-4 (22-26):

- Five VOCs (2-butanone, acetone, benzene, ethylbenzene, and toluene) concentrations were greater than the MDLs but less than applicable screening levels.
- No SVOCs were detected at a concentration greater than the MDLs.
- 17 of the 23 TAL Metals detected at concentrations greater than the MDL. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, iron, and manganese concentrations exceeded the SSL-Taps. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

### 4.8.3 Groundwater Results

#### Tract 29 TW-1 (8-12):

- One VOC (toluene) was detected at a concentration greater than the MDL but less than applicable screening levels.
- One SVOC (Bis(2-ethylhexyl)phthalate) was detected at a concentration greater than the MDL but less than applicable screening level.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total antimony, total and dissolved beryllium, total chromium, and total lead concentrations exceeded the MCLs. Total aluminum, total and dissolved cobalt, and total and dissolved iron concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at a concentration greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### Tract 29 TW-2 (24-28):

- No VOCs were detected at a concentration greater than the MDLs.
- One SVOC (Bis(2-ethylhexyl)phthalate) was detected at a concentration greater than the MDL but less than applicable screening level.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total beryllium, total chromium, and total lead concentrations exceeded the MCLs. Total aluminum, total cobalt, total iron, total manganese, and total vanadium concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at a concentration greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### Tract 33 TW-1 (20-24):

- One VOC (carbon disulfide) was detected at a concentration greater than the MDL but less than applicable screening levels.
- One SVOC (Bis(2-ethylhexyl)phthalate) was detected at a concentration greater than the MDL but less than applicable screening level.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total beryllium, total chromium, and total lead concentrations exceeded the MCLs. Total aluminum, total cobalt, total iron, total manganese, and total vanadium concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at a concentration greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.



Tract 33 TW-2 (20-24):

- One VOC (carbon disulfide) was detected at a concentration greater than the MDL but less than applicable screening levels.
- No SVOCs were detected at a concentration greater than the MDLs.
- 19 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total beryllium, total chromium, and total lead concentrations exceeded the MCLs. Total aluminum, total cobalt, total iron, total manganese, and total vanadium concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at a concentration greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 33 TW-3 (20-24):

- One VOC (carbon disulfide) was detected at a concentration greater than the MDL but less than applicable screening levels.
- No SVOCs were detected at a concentration greater than the MDLs.
- 12 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total chromium concentration exceeded the MCL. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at a concentration greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 33 TW-4 (14-18):

- No VOCs were detected at a concentration greater than the MDL.
- No SVOCs were detected at a concentration greater than the MDLs.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total beryllium, total cadmium, total and dissolved chromium, total lead, and dissolved thallium concentrations exceeded the MCLs. Total aluminum, total and dissolved cobalt, total iron, total manganese, and total vanadium concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at a concentration greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### 4.8.4 Discussion

Six surficial soil samples, six subsurface soil samples, and six groundwater sample were collected on Tract 29 and Tract 33. Samples were analyzed for VOC, SVOC, TAL

Metals, hexavalent chromium, PCBs, and pesticides. Based on initial analytical results, one surficial and one subsurface soil sample were also analyzed for TCLP metals.

One VOC (methylene chloride) was detected in one surficial soil sample at a concentration exceeding SSL-MCL. Four SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenz(a,h)anthracene) were detected in one surficial soil sample at concentrations exceeding the ISLs, RSLs, and SSL-MCL/Taps. Nine SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, dibenzofuran, and naphthalene) were detected in one or more surficial soil samples at concentrations exceeding RSLs and/or SSL-Taps.

Arsenic was detected at a concentration exceeding the ISL, RSL, and SSL-MCL in five of the collected soil samples and at concentrations exceeding the RSL and SSL-MCL in six of the collected soil samples. Lead was detected in one subsurface soil sample at a concentration exceeding RSL and SSL-MCL. Iron was detected in one surficial soil sample at a concentration exceeding RSL and SSL-Tap. Eleven metals (antimony, barium, cadmium, cobalt, copper, iron, lead, manganese, mercury, nickel, and zinc) were detected in one or more soil samples at concentrations exceeding the SSL-MCL/Taps. Hexavalent chromium was detected in four soil samples at concentrations exceeding the RSL and SSL-Tap.

One pesticide (beta-BHC) was detected in one surficial soil sample at a concentration exceeding the RSL and SSL-Tap. One pesticide (4,4-DDD) was detected in two surficial soil samples at concentrations exceeding the SSL-Tap. Four pesticides (4,4-DDE, 4,4-DDT, alpha-BHC, and chlordane) were detected in one surficial soil sample at concentrations exceeding the SSL-MCL/Taps.

TCLP metals were not detected at concentrations exceeding TCLP regulatory levels.

No VOCs or SVOCs were detected at concentrations exceeding screening levels in the collected groundwater sample. Seven metals (antimony, arsenic, beryllium, cadmium, chromium, lead, and thallium) were detected at concentrations exceeding the MCLs. Aluminum, cobalt, iron, manganese, and vanadium were detected at concentrations exceeding TWSLs. Hexavalent chromium, PCBs, and pesticides were not detected in the groundwater at concentrations exceeding screening levels.

#### 4.8.5 Conclusion

Four SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenz(a,h)anthracene) were detected in one surficial soil sample at concentrations exceeding the ISLs.

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Based on the groundwater results for VOC, SVOC, pesticides, and PCBs and filtered groundwater results for aluminum, antimony, arsenic, lead, manganese, and vanadium, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

Beryllium was detected at concentrations exceeding the MCL in both the unfiltered and filtered groundwater sample collected from one monitoring well. Beryllium was not detected at a concentration greater than the MDL in the remaining filtered groundwater samples. Chromium was detected at concentrations exceeding the MCL in both the unfiltered and filtered groundwater sample collected from one monitoring well. Chromium was not detected at a concentration greater than the MCL in the remaining filtered groundwater samples. Thallium was detected at a concentration exceeding the MCL in one filtered groundwater sample. Four metals (antimony, arsenic, chromium, and lead) were detected in the groundwater at concentrations exceeding the MCLs; however, concentrations of each were less than the MCLs in the filtered groundwater sample.

#### **4.9 Tract 34, Tract 35, and Tract 70 – Former Charleston Navy Base**

##### **4.9.1 Site Background**

Tract 34 (TMS# 400-00-00-105), Tract 35 (TMS# 400-00-00-004), and Tract 70 (not identified with TMS#) are part of the former Charleston Navy Base. The Navy Base is listed on the CERCLIS, GWCI, CORRACTS, US ENG Controls, US Inst Controls, SHWS, RAATS, RCRA-TSDF, PADS, MANIFEST, RCRA-NonGen, and FINDS databases. Tract 34, Tract 35, and Tract 70 are part of SWMU 9 (a closed monitored landfill), SWMU 196 (previous storage area of solvents, paints, acid, and lubricant oil, a potassium chromate tank, and transformers), SCDHEC UST Facility ID# 14437, and AOC 654 (the former septic tank and drain field associated with Building 661) on the Navy Base.

Access from Interstate 26 to the new port will require right-of-way from Tract 34, Tract 35, and Tract 70. Based on the historical use of the property, the site was assessed for VOC, SVOC, TAL Metals, PCBs, and pesticides. The analytical suite for samples collected from Shipyard Creek also included hexavalent chromium because of operations on the former Macalloy Property (Tract 33). Based on initial analytical results, Tract 35 SB-4 (0-2) soil sample was also analyzed for TCLP lead.

Surficial and subsurface soil samples were collected from six borings (Tract 35 SB-1, Tract 35 SB-2, Tract 35 SB-4, Tract 35 SB-5, Tract 35 SB-6, and Tract 35 SB-7) for laboratory analysis. The subsurface soil sample interval was selected based on the field screening results. A surficial soil sample was collected from one boring (Tract 35 SB-3)

for laboratory analysis. A subsurface interval was not selected at this location based on shallow direct push advancement refusal.

Temporary monitoring wells were installed at intervals in each boring location. Based on field screening results, groundwater samples were collected for laboratory analysis from seven temporary monitoring wells (Tract 35 TW-1 (40-44), Tract 35 TW-2 (26-30), Tract 35 TW-3 (1-5), Tract 35 TW-4 (16-20), Tract 35 TW-5 (0-10), Tract 35 TW-6 (16-20), and Tract 35 TW-7 (20-24)). A new disposable 10-foot PVC well screen was installed to facilitate groundwater sampling from monitoring well Tract 35 TW-5 because of slow recharge.

Sediment samples were collected from the bank of Shipyard Creek (Tract 35 SS-1 and Tract 35 SS-2). A surface water sample was also collected from Shipyard Creek (Tract 35 SW-1).

#### 4.9.2 Soil Results

##### Tract 35 SB-1 (0-2):

- Five VOCs (acetone, benzene, carbon disulfide, ethylbenzene, and toluene) were detected at concentrations greater than the MDLs. Benzene concentration exceeded the SSL-MCL. Other detected VOC concentrations were less than applicable screening levels.
- No SVOCs were detected at concentrations greater than the MDLs.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron and manganese concentrations exceeded the SSL-Taps. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

##### Tract 35 SB-1 (12-16):

- One VOC (acetone) was detected at a concentration greater than the MDL but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, SSL-MCL. Cobalt, iron, and manganese concentrations exceeded the SSL-Taps. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

##### Tract 35 SB-2 (0-2):

- 11 VOCs (acetone, benzene, 2-butanone, carbon disulfide, chlorobenzene, methylcyclohexane, 1,4-dichlorobenzene, ethylbenzene, isopropylbenzene,

toluene, and xylenes) were detected at a concentration greater than the MDL but less than applicable screening values.

- One SVOC (2-Methylnaphthalene) was detected at a concentration greater than the MDL but less than applicable screening values.
- 15 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron, lead, and manganese concentrations exceed the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- Two PCBs (PCB-1242 and PCB-1260) were detected at concentrations greater than the MDLs but less than applicable screening values. No other PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 35 SB-2 (24-28):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, iron, and manganese concentrations exceeded the SSL-Taps. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 35 SB-3 (0-2):

- Nine VOCs (acetone, benzene, carbon disulfide, cyclohexane, methylcyclohexane, ethylbenzene, isopropylbenzene, toluene, and xylenes) were detected at concentrations greater than the MDLs. Benzene concentration exceeded the SSL-MCL. Other detected VOC concentrations were less than applicable screening levels.
- Five SVOCs (chrysene, fluoranthene, 2-methylnaphthalene, phenanthrene, and pyrene) were detected at concentrations greater than the MDLs but less than applicable screening levels.
- 15 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Copper, iron, lead, and manganese concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- One PCB (PCB-1260) was detected at a concentration greater than the SSL-Tap. No other PCBs were detected at concentrations greater than the MDLs.
- 14 pesticides were detected at concentrations greater than the MDLs. Gamma-BHC (lindane), 4,4-DDD, and dieldrin concentrations exceeded the SSL-MCL/Taps. Other detected pesticide concentrations were less than applicable screening levels.

Tract 35 SB-4 (0-2):

- One VOC (acetone) was detected at a concentration greater than the MDL but less than applicable screening levels.
- Eight SVOCs were detected at concentrations greater than the MDLs. Benzo(a)pyrene concentration exceeded the RSL. Benzo(a)anthracene and benzo(b)fluoranthene concentrations exceeded the SSL-Taps. Other detected SVOC concentrations (chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene) were less than applicable screening levels.
- 15 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the RSL and SSL-MCL. Barium, iron, lead, and mercury concentrations exceeded the SSL-MCL/Taps. Other detected metals were less than applicable screening levels.
- One PCB (PCB-1260) was detected at a concentration greater than the MDL but less than applicable screening values. No other PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.
- TCLP lead concentration was less than the regulatory level.

Tract 35 SB-4 (10-14):

- One VOC (chlorobenzene) was detected at concentrations greater than the MDL but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- Ten of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the RSL and SSL-MCL. Iron concentration exceeded the SSL-Tap. Other detected metals were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 35 SB-5 (0-2):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron, lead, and manganese concentrations exceeded the SSL-MCL/Taps. Other detected metals were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- Three pesticides (4,4-DDD, 4,4-DDE, and 4,4-DDT) were detected at concentrations greater than the MDLs. 4,4-DDD and 4,4-DDT concentrations exceeded the SSL-Taps. Other detected pesticides were less than applicable screening levels.

Tract 35 SB-5 (4-8):

- Four VOCs (chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene) were detected at concentrations greater than the MDLs but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- Ten of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the RSL and SSL-MCL. Iron concentration exceeded the SSL-Tap. Other detected metals were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- Two pesticides (4,4-DDD and 4,4-DDT) were detected at concentrations greater than the MDLs but less than applicable screening levels.

Tract 35 SB-6 (0-2):

- Six VOCs (acetone, benzene, 2-butanone, carbon disulfide, ethylbenzene, and toluene) were detected at concentrations greater than the MDLs. Benzene concentration exceeded the SSL-MCL. Other detected VOC concentrations were less than applicable screening levels.
- Seven SVOCs were detected at concentrations greater than the MDLs. Benzo(a)pyrene concentration exceeded the RSL. Benzo(a)anthracene and benzo(b)fluoranthene concentrations exceeded the SSL-Taps. Other detected SVOC concentrations (benzo(k)fluoranthene, chrysene, fluoranthene, and pyrene) were less than applicable screening levels.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Beryllium, copper, iron, lead, manganese, and mercury concentrations exceeded the SSL-MCL/Taps. Other detected metals were less than applicable screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 35 SB-6 (6-10):

- One VOC (acetone) was detected at a concentration greater than the MDL but less than applicable screening values.
- Seven SVOCs were detected at concentrations greater than the MDLs. Benzo(a)pyrene concentration exceeded the RSL. Benzo(a)anthracene and benzo(b)fluoranthene concentrations exceeded the SSL-Taps. Other detected SVOC concentrations (benzo(k)fluoranthene, bis(2-ethylhexyl)phthalate, fluoranthene, and pyrene) were less than applicable screening levels.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, iron, lead,

manganese, and mercury concentrations exceeded the SSL-MCL/Taps. Other detected metals were less than applicable screening levels.

- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 35 SB-7 (0-2):

- Five VOCs (acetone, benzene, carbon disulfide, ethylbenzene, and toluene) detected at concentrations greater than the MDL. Benzene concentration exceeded the SSL-MCL. Other detected VOC concentrations were less than applicable screening levels.
- No SVOCs were detected at concentrations greater than the MDLs.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, iron, lead, manganese, and mercury concentrations exceeded the SSL-MCL/Taps. Other detected metals were less than applicable screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 35 SB-7 (20-24):

- Seven VOCs (acetone, benzene, 2-butanone, carbon disulfide, methylcyclohexane, ethylbenzene, and toluene) were detected at concentrations greater than the MDLs. Benzene concentration exceeded the SSL-MCL. Other detected VOCs were less than applicable screening levels.
- No SVOCs were detected at concentrations greater than the MDLs.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron, manganese, and selenium concentrations exceeded the SSL-MCL/Taps.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### 4.9.3 Groundwater Results

Tract 35 TW-1 (40-44):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- Six of the 23 TAL Metals were detected at concentrations greater than the MDLs but less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.



Tract 35 TW-2 (26-30):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- Seven of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total and dissolved vanadium concentrations exceeded the TWSL. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 35 TW-3 (1-5):

- No VOCs were detected at concentrations greater than the MDLs.
- One SVOC (2-methylnaphthalene) was detected at a concentration greater than the MDL but less than applicable screening values.
- Seven of the 23 TAL Metals were detected at concentrations greater than the MDLs but less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 35 TW-4 (16-20):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 19 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total and dissolved arsenic, total beryllium, total cadmium, total chromium, and total lead concentrations exceeded the MCLs. Total cobalt, total iron, total and dissolved manganese, and total vanadium concentrations exceeded TWSLs. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 35 TW-5 (0-10):

- Four VOCs (benzene, chlorobenzene, cis-1,2-dichloroethene, and vinyl chloride) were detected at concentrations greater than the MDLs but less than applicable screening levels
- No SVOCs were detected at concentrations greater than the MDLs.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic and total lead concentrations exceeded the MCLs. Total aluminum, total iron, total and dissolved manganese, and total vanadium concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 35 TW-6 (16-20):

- Two VOCs (carbon disulfide and toluene) were detected at concentrations greater than the MDLs but less than applicable screening levels.
- No SVOCs were detected at concentrations greater than the MDLs.
- 13 of the 23 TAL Metals were detected at concentrations greater than the MDLs but less than applicable screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 35 TW-7 (20-24):

- No VOCs were detected at concentrations greater than the MDLs.
- One SVOC (bis(2-ethylhexyl)phthalate) was detected at a concentration greater than MCL. No other SVOCs were detected at concentrations greater than the MDLs.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total iron and total manganese concentration exceeded the TWSL. Other detected metal concentrations were less than applicable screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### 4.9.4 Sediment Results

Tract 35 SS-1:

- Two VOCs (acetone and carbon disulfide) were detected at concentrations greater than the MDLs but less than applicable screening levels. SSVs have not been established for the detected VOCs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. The arsenic concentration exceeded the ISL, RSL, SSL-MCL, and SSV. Copper and lead concentrations exceeded the SSL-MCLs and SSVs. Cobalt, iron, and manganese concentrations exceeded the SSL-Taps. The zinc concentration exceeded the SSV. Other detected metal concentrations were less than screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

Tract 35 SS-2:

- Three VOCs (acetone, benzene, and toluene) were detected at concentrations greater than the MDLs but less than applicable screening levels. SSVs have not been established for the detected VOCs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. The arsenic concentration exceeded the ISL, RSL, and SSL-MCL. The lead concentration exceeded the SSL-MCL and SSV. Iron and manganese concentrations exceeded the SSL-Taps. Chromium, copper, and nickel concentrations exceeded the SSVs. Other detected metal concentrations were less than screening levels.
- Hexavalent chromium was not detected at concentrations greater than the MDL.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### 4.9.5 Surface Water Results

Tract 35 SW-1:

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- Eight of the 23 TAL Metals were detected at concentrations greater than the MDLs but less than screening levels.
- Hexavalent chromium was detected at a concentration greater than the MDL. No screening levels are established for hexavalent chromium.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### 4.9.6 Discussion

Seven surficial soil samples, six subsurface soil samples, seven groundwater samples, two sediment samples, and one surface water sample were collected on Tract 35. Samples were analyzed for VOC, SVOC, TAL Metals, and PCBs. Samples collected within Shipyard Creek were also analyzed for hexavalent chromium. Based on initial analytical results, one surficial soil sample was also analyzed for TCLP lead.

One VOC (benzene) was detected at concentrations exceeding the SSL-MCL in four surficial and one subsurface soil sample. Three SVOCs (benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene) were detected at concentrations exceeding the RSLs or SSL-Taps in two surficial and one subsurface soil samples. Arsenic was detected at concentrations exceeding the ISL, RSL, and SSL-MCL in six of the surficial and four of the subsurface soil samples and at concentrations exceeding the RSL and SSL-MCL in one surficial and two of the subsurface soil samples. Other metals (barium,

beryllium, cobalt, copper, iron, lead, manganese, mercury, and selenium) were detected at concentrations exceeding the SSL-MCL/Taps in one or more of the collected soil samples. Hexavalent chromium was not detected at concentrations exceeding screening levels in the soil samples collected from Shipyard Creek.

Three pesticides (4,4'-DDT, dieldrin, and gamma-BHC (lindane)) were detected at concentrations exceeding the SSL-MCL/Taps. TCLP lead was not detected at a concentration exceeding the regulatory level.

VOCs were not detected at concentrations exceeding screening levels in the collected groundwater samples. One SVOC (bis(2-ethylhexyl)phthalate) was detected in one groundwater sample at a concentration exceeding the MCL. Five metals (arsenic, beryllium, cadmium, chromium, and lead) were detected at concentrations exceeding the MCLs. Arsenic was detected in one filtered groundwater sample at a concentration exceeding the MCL. Aluminum, cobalt, iron, manganese, and vanadium were detected at concentrations exceeding TWSLs. Manganese was detected in three laboratory filtered groundwater samples at concentrations exceeding the TWSL. Vanadium was detected in one laboratory filtered groundwater sample at a concentration exceeding the TWSL. Other metals were not detected at concentrations exceeding screening levels in the laboratory filtered groundwater samples. Hexavalent chromium, PCBs, and pesticides were not detected in the groundwater samples at concentrations exceeding screening levels.

Six metals (arsenic, chromium, copper, lead, nickel, and zinc) were detected at concentrations at concentrations exceeding the SSV. VOCs, SVOCs, hexavalent chromium, PCBs, and pesticides were not detected at concentrations exceeding screening values in the sediment samples.

VOCs, SVOCs, TAL Metals, hexavalent chromium, PCBs, and pesticides were not detected at concentrations exceeding screening levels in the collected surface water sample.

#### 4.9.7 Conclusion

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Bis(2-ethylhexyl)phthalate was detected in one groundwater sample at a concentration exceeding the MCL.

Based on the groundwater results for VOC, SVOC, pesticides, and PCBs and filtered groundwater results for barium, beryllium, cobalt, copper, iron, lead, mercury, and

selenium, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

Four metals (beryllium, cadmium, chromium, and lead) were detected in the groundwater at concentrations exceeding the MCLs; however, concentrations of each were less than the MCLs in the filtered groundwater sample. Arsenic was detected at concentrations exceeding the MCL in both unfiltered and filtered groundwater samples collected from one monitoring well. Arsenic was not detected at a concentration greater than the MDL in the remaining filtered groundwater samples.

Six metals (arsenic, chromium, copper, lead, nickel, and zinc) were detected at concentrations exceeding the SSV in the sediment samples.

#### **4.10 Tract 37 – Former Montenay Incinerator**

##### **4.10.1 Site Background**

Tract 37 (Charleston County TMS # 469-00-00-006), is listed on the SHWS/LF and AST databases. The Charleston County incinerator previously operated on Tract 37. Petroleum products were used and stored onsite. A 1986 General Engineering Laboratories (GEL) Groundwater Assessment Report of the incinerator property reported volatile organic compounds in the groundwater.

Support roads for the new port will require right-of-way from Tract 37. Based on the historical use of the property, the site was assessed for VOC, SVOC, TAL Metals, and Dioxins/Furans.

Surficial and subsurface soil samples were collected from three borings (Tract 37 SB-1, Tract 37 SB-2, and Tract 37 SB-3) for laboratory analysis. The subsurface soil sample interval was selected based on the field screening results. Temporary monitoring wells were installed at two depth intervals in each boring. Based on field screening results, a groundwater sample was collected for laboratory analysis from temporary monitoring wells (Tract 37 TW-1 (20-24), Tract 37 TW-2 (10-14), and Tract 37 TW-3 (10-14)).

A surface water (Tract 37 SW-1) and sediment (Tract 37 SS-1) sample were collected from the pond located on the northeastern corner of Tract 37.

##### **4.10.2 Soil Results**

###### Tract 37 SB-1 (0-2):

- One VOC (acetone) was detected at a concentration greater than the MDL but less than applicable screening levels.
- No SVOCs were detected at concentrations greater than the MDLs.
- 13 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron and

manganese concentrations exceeded the SSL-Taps. Other detected metal concentrations were less than applicable screening levels.

- Six dioxins/furans were detected at concentrations greater than the EDLs but less than applicable screening values. The total dioxin/furan TEQ was less than the screening levels.

Tract 37 SB-1 (22-26):

- 11 VOCs were detected at concentrations greater than the MDLs. Vinyl chloride concentration exceeded the RSL and SSL-MCL. Benzene, cis-1,2-dichloroethene, and trichloroethene concentrations exceeded the SSL-MCLs. Other detected VOC concentrations (acetone, 2-butanone, cyclohexane, methylcyclohexane, ethylbenzene, toluene, and xylenes) were less than screening levels.
- No SVOCs were detected at concentrations greater than the MDLs.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cadmium, cobalt, iron, and manganese concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- Three dioxins/furans were detected at concentrations greater than EDLs but less than applicable screening values. The total dioxin/furan TEQ was less than the screening levels.

Tract 37 SB-2 (0-2):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cadmium, iron, lead, and manganese concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening levels.
- Seventeen dioxins/furans were detected at concentrations greater than EDLs. 1,2,3,6,7,8-HxCDD and 1,2,3,7,8,9-HxCDD concentrations exceeded the SSL-Taps. Other detected dioxins/furans concentrations were less than applicable screening values. The total dioxin/furan TEQ exceeded the RSL and SSL-MCL.

Tract 37 SB-2 (8-12):

- One VOC (acetone) was detected at a concentration greater than the MDL but less than applicable screening levels.
- No SVOCs were detected at concentrations greater than the MDLs.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron concentration exceeded the SSL-Tap. Other detected metal concentrations were less than applicable screening levels.

- Fifteen dioxins/furans were detected at concentrations greater than EDLs but less than applicable screening values. The total dioxin/furan TEQ was less than the screening levels.

Tract 37 SB-3 (0-2):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the RSL and SSL-MCL. Cobalt, iron, and manganese concentrations exceeded the SSL-Taps. Other detected metal concentrations were less than applicable screening levels.
- Sixteen dioxins/furans were detected at concentrations greater than EDLs but less than applicable screening values. The total dioxin/furan TEQ was less than the screening levels.

Tract 37 SB-3 (8-12):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt and iron concentrations exceeded the SSL-Taps. Other detected metal concentrations were less than applicable screening levels.
- Three dioxins/furans were detected at concentrations greater than EDLs but less than applicable screening values. The total dioxin/furan TEQ was less than the screening levels.

#### 4.10.3 Groundwater Results

Tract 37 TW-1 (20-24):

- Eight VOCs were detected at concentrations greater than the MDLs. Cis-1,2-dichloroethene, trichloroethene, and vinyl chloride concentrations exceeded the MCLs. 1,1-Dichloroethane concentration exceeded the TWSL. Other detected VOC (1,2-dichlorobenzene, 1,1-dichloroethene, trans-1,2-dichloroethene, and toluene) concentrations were less than applicable screening levels.
- No SVOCs were detected at concentrations greater than the MDLs.
- 15 of the 23 TAL Metals were detected at concentrations greater than the MDLs but less than applicable screening values.
- Five dioxins/furans were detected at concentrations greater than EDLs but less than applicable screening values. The total dioxin/furan TEQ was less than the MCL.

Tract 37 TW-2 (10-14):

- Two VOCs (cis-1,2-dichloroethene and toluene) were detected at concentrations greater than the MDLs but less than applicable screening levels.
- No SVOCs were detected at concentrations greater than the MDLs.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic concentration exceeded the MCL. Total and dissolved cobalt, total iron, and total and dissolved manganese concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening levels.
- One of the dioxins/furans was detected at a concentration greater than the EDL. Screening levels have not been established for the detected parameter. The total dioxin/furan TEQ was less than the MCL.

Tract 37 TW-3 (10-14):

- One VOC (carbon disulfide) was detected at a concentration greater than the MDL but less than applicable screening levels. No other VOCs were detected at a concentration greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total beryllium, and total lead concentrations exceeded the MCLs. Total aluminum, total and dissolved cobalt, total iron, total and dissolved manganese, and total vanadium concentrations exceeded TWSLs. Other detected metal concentrations were less than applicable screening levels.
- One of the dioxins/furans was detected at a concentration greater than EDL. Screening levels have not been established for the detected parameter. The total dioxin/furan TEQ was less than the MCL.

#### 4.10.4 Sediment Results

Tract 37 SS-1:

- Nine VOCs (acetone, 2-butanone, carbon disulfide, chlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, ethylbenzene, tetrachloroethene, and toluene) were detected at concentrations greater than the MDLs. The chlorobenzene concentration exceeded the SSL-MCL. Other detected VOC concentrations were less than screening levels. SSVs have not been established for the detected VOCs.
- Ten SVOCs were detected at concentrations greater than the MDLs. Benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene concentrations exceeded the RSLs and SSL-MCLs/Taps and bis(2-ethylhexyl)phthalate and fluoranthene concentrations exceeded the SSVs. Other detected SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzene(g,h,i)perylene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and pyrene) concentrations were less than screening levels.



- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. The arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cadmium, copper, lead, mercury, and zinc concentrations exceeded the SSL-MCLs/Taps and SSVs. Iron and manganese concentrations exceeded the SSL-Taps. The chromium concentration exceeded the SSV. Other detected metal concentrations were less than screening levels.
- 15 of the dioxins/furans were detected at concentrations greater than the EDLs but less than screening values. The total dioxin/furan TEQ exceeded the RSL and SSV.

#### 4.10.5 Surface Water Results

##### Tract 37 SW-1:

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- Eight of the 23 TAL Metals were detected at concentrations greater than the MDLs but less than screening levels.
- Two of the dioxins/furans (1,2,3,4,6,7,8-HpCDD and OCDD) were detected at concentrations greater than the EDLs. Screening levels have not been established for the detected parameters. The total dioxin/furan TEQ was less than the MCL but exceeded WQNC Consumption of Organism Only screening value.

#### 4.10.6 Discussion

Three surficial soil samples, three subsurface soil samples, three groundwater samples, one sediment sample, and one surface water sample were collected on Tract 37. Samples were analyzed for VOC, SVOC, TAL Metals, and Dioxins/Furans.

One VOC (vinyl chloride) was detected at a concentration exceeding the RSL and SSL-MCL in one subsurface soil sample. Three VOCs (benzene, cis-1,2-dichloroethene, and trichloroethene) were detected at concentrations exceeding the SSL-MCLs in one subsurface soil sample. No SVOCs were detected at concentrations exceeding screening levels in the soil samples. Arsenic was detected in five of the soil samples at concentrations exceeding the ISL, RSL, and SSL-MCL and one surficial soil sample at a concentration exceeding the RSL and SSL-MCL. Five metals (cadmium, cobalt, iron, lead, and manganese) were detected at concentrations exceeding the SSL-MCL/Taps. Two dioxins/furans (1,2,3,6,7,8-HxCDD and 1,2,3,7,8,9-HxCDD) were detected in one soil sample at concentrations exceeding the SSL-Taps. The total dioxin/furan TEQ exceeded the RSL and SSL-MCL for the individual dioxin 2,3,7,8-TCDD in one surficial soil sample.

Three VOCs (cis-1,2-dichloroethene, trichloroethene, and vinyl chloride) were detected at concentrations exceeding the MCLs in one groundwater sample. One VOC (1,1-dichloroethane) was detected at a concentration exceeding the TWSL in one groundwater sample. SVOCs were not detected in the groundwater at concentrations exceeding screening values. Three metals (arsenic, beryllium, and lead) were detected in one or more of the groundwater samples at concentrations exceeding the MCLs. Aluminum, cobalt, iron, manganese, and vanadium were detected in one or more of the groundwater samples at concentrations exceeding the TWSLs. Cobalt and manganese were detected in two of the laboratory filtered groundwater samples at concentrations exceeding the TWSLs. Other metals were not detected at concentrations exceeding screening levels in the laboratory filtered groundwater samples. No dioxins/furans were detected in the groundwater at concentrations exceeding screening levels. The total dioxin/furan TEQ was less than the MCL for the individual dioxin 2,3,7,8-TCDD in each of the groundwater samples.

VOCs were not detected at concentrations exceeding screening levels in the collected sediment sample. Two SVOCs (bis(2-ethylhexyl)phthalate and fluoranthene) were detected at concentrations exceeding SSVs in the groundwater sample. Six metals (cadmium, chromium, copper, lead, mercury, and zinc) were detected at concentrations exceeding SSVs in the sediment sample. No dioxins/furans were detected in the sediment at concentrations exceeding screening levels. The total dioxin/furan TEQ exceeded the RSL and SSV for the individual dioxin 2,3,7,8-TCDD in the sediment sample.

VOCs, SVOCs, TAL Metals, and dioxins/furans were not detected at concentrations exceeding screening levels in the collected surface water sample. The total dioxin/furan TEQ was less than the MCL but exceeded Consumption of Organism Only screening values for the individual dioxin 2,3,7,8-TCDD in the surface water sample.

#### 4.10.7 Conclusion

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Three VOCs (cis-1,2-dichloropropene, trichloroethene, and vinyl chloride) were detected in one groundwater sample at a concentrations exceeding the MCL.

Three metals (arsenic, beryllium, and lead) were detected in the groundwater at concentrations exceeding the MCLs; however, concentrations of each were less than the MCLs in the filtered groundwater sample.

Based on the groundwater results for VOC and dioxins/furans and filtered groundwater results for arsenic, cadmium, iron, and lead, it does not appear these parameters which

were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

Two SVOCs (bis(2-ethylhexyl)phthalate and fluoranthene) and six metals (cadmium, chromium, copper, lead, mercury, and zinc) were detected at concentrations at concentrations exceeding the SSV in the sediment sample.

The total dioxin/furan TEQ exceeded the Consumption of Organism Only screening values for the individual dioxin 2,3,7,8-TCDD in the surface water sample.

#### **4.11 Tract 40 – Former Tri-State Landfill (Park South)**

##### **4.11.1 Site Background**

Tract 40 (Charleston County TMS # 469-04-00-013) is part of the Former Tri-State Landfill that operated in the 1960s and 1970s.

Roads to support the new port will require right-of-way from Tract 40. Based on the historical use of the property, the site was assessed for VOC, SVOC, TAL Metals, PCBs, and pesticides.

Surficial and subsurface soil samples were collected from one boring (Tract 40 SB-1) for laboratory analysis. The subsurface soil sample interval was selected based on the field screening results. Temporary monitoring wells were installed at three depth intervals. Based on field screening results, a groundwater sample was collected for laboratory analysis from temporary monitoring well (Tract 40 TW-1 (4-8)).

##### **4.11.2 Soil Results**

###### Tract 40 SB-1 (0-2):

- One VOC (1,2-dichloroethane) was detected at a concentration greater than the MDL but less than screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 13 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron concentration exceeded the SSL-Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

###### Tract 40 SB-1 (4-8):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the RSL and SSL-MCL. Iron concentration

exceeded the SSL-Tap. Other detected metal concentrations were less than applicable screening values.

- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### 4.11.3 Groundwater Results

##### Tract 40 TW-1 (4-8):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDL.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total beryllium, and total lead concentrations exceeded the MCLs. Total aluminum, total cobalt, total iron, total manganese, and total vanadium concentrations exceeded TWSLs. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- One pesticide (dieldrin) concentration exceeded the TWSL. No other pesticides were detected at concentrations greater than the MDLs.

#### 4.11.4 Discussion

One surficial soil sample, one subsurface soil sample, and one groundwater sample were collected on Tract 40. Samples were analyzed for VOC, SVOC, TAL Metals, PCBs, and pesticides.

No VOCs or SVOCs were detected at concentrations exceeding screening values in the soil samples. Arsenic was detected at a concentration exceeding the ISL, RSL, and SSL-MCL in the surficial soil sample and at a concentration exceeding the RSL and SSL-MCL in the subsurface soil sample. Iron was detected at concentrations exceeding the SSL-Tap in both soil samples. No PCBs or pesticides were detected in the soil samples at concentrations exceeding screening levels.

No VOCs or SVOCs were detected at concentrations exceeding screening levels in the groundwater sample. Three metals (arsenic, beryllium, and lead) were detected at concentrations exceeding MCLs. Aluminum, cobalt, iron, manganese, and vanadium were detected at concentrations exceeding TWSLs. Metals were not detected in the filtered groundwater samples at concentrations exceeding screening levels. PCBs were not detected at concentrations exceeding screening levels in the collected groundwater sample. One pesticide (dieldrin) was detected at a concentration exceeding the TWSL.

#### 4.11.5 Conclusion

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Based on the filtered groundwater results for arsenic and iron, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

Three metals (arsenic, beryllium, and lead) were detected in the groundwater at concentrations exceeding the MCLs; however, concentrations of each were less than the MCLs in the filtered groundwater sample.

## **4.12 Tract 44 – Former Tri-State Landfill (Stromboli)**

### **4.12.1 Site Background**

Tract 44 (Charleston County TMS # 466-03-00-166) is part of the Former Tri-State Landfill that operated in the 1960s and 1970s.

Roads to support the new port will require right-of-way from Tract 44. Based on the historical use of the property, the site was assessed for VOC, SVOC, TAL Metals, PCBs, and pesticides.

On January 27, 2012, surficial and subsurface soil samples were collected from one boring (Tract 44 SB-1) for laboratory analysis. The subsurface soil sample interval was selected based on the field screening results. Temporary monitoring wells were installed at three depth intervals. Based on field screening results, a groundwater sample was collected for laboratory analysis from temporary monitoring well (Tract 44 TW-1 (4-8)). Due to underground utilities located in the proposed right-of-way to be acquired on Tract 44, the soil boring and temporary wells for Tract 44 were installed on Tract 43, which is located directly across Stromboli Avenue from Tract 44.

### **4.12.2 Soil Results**

#### Tract 44 SB-1 (0-2):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 13 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the RSL and SSL-MCL. Iron concentration exceeded the SSL-Tap. Other detected metal concentrations were less than applicable screening values.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### Tract 44 SB-1 (6-10):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron concentration exceeded the SSL-Tap. Other detected metal concentrations were less than applicable screening values.

- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### 4.12.3 Groundwater Results

##### Tract 44 TW-1 (4-8):

- One VOC (toluene) was detected at a concentration greater than the MDL but less than applicable screening values.
- Four SVOCs (acenaphthene, fluoranthene, fluorene, and phenanthrene) were detected at concentrations greater than the MDLs but less than applicable screening levels.
- 18 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total and dissolved arsenic, total and dissolved beryllium, dissolved chromium, and dissolved lead concentrations exceeded the MCLs. Dissolved aluminum, total and dissolved cobalt, total and dissolved iron, total and dissolved manganese, and dissolved vanadium concentrations exceeded the TWSLs. Other detected metal concentrations were less than applicable screening levels.
- No PCBs were detected at concentrations greater than the MDLs.
- No pesticides were detected at concentrations greater than the MDLs.

#### 4.12.4 Discussion

One surficial soil sample, one subsurface soil sample, and one groundwater sample were collected as part of the assessment of Tract 44. Samples were analyzed for VOC, SVOC, TAL Metals, PCBs, and pesticides.

No VOCs or SVOCs were detected at concentrations exceeding screening values in the soil samples. Arsenic was detected at concentrations exceeding the ISL, RSL, and SSL-MCL. Iron was detected at concentrations exceeding the SSL-Tap. No PCBs or pesticides were detected in the soil samples at concentrations exceeding screening levels.

No VOCs or SVOCs were detected at concentrations exceeding screening values in the groundwater sample. Total arsenic and total beryllium were detected at concentrations exceeding the MCLs. Dissolved arsenic, dissolved beryllium, dissolved chromium, and dissolved lead were detected at concentrations exceeding the MCLs. Total cobalt, total iron, and total manganese were detected at concentrations exceeding the TWSLs. Dissolved aluminum, dissolved cobalt, dissolved iron, dissolved manganese, and dissolved vanadium were detected at concentrations exceeding the TWSLs. PCBs and pesticides were not detected at concentrations exceeding screening levels in the collected groundwater sample.

#### 4.12.5 Conclusion

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Two metals (arsenic and beryllium) were detected in the unfiltered groundwater at concentrations exceeding the MCLs. Four metals (arsenic, beryllium, chromium, and lead) were detected in the filtered groundwater at concentrations exceeding MCLs.

### 4.13 Tract 45 – CC South Site

#### 4.13.1 Site Background

Tract 45 (Charleston County TMS # 466-08-00-455) is listed on the UST database for one diesel tank that was removed from the ground in 1984. The Former Tri-State Landfill is located on the northern adjoining property. Tract 46, the western adjoining property, previously operated USTs and is listed on the UST, LUST, and GWCI databases under the name Southern Bell.

Roads to support the new port will require right-of-way from Tract 45. Based on the previous UST located on the property and the former use of the adjoining properties, the site was assessed for VOC, SVOC, and TAL Metals.

On December 9, 2011, surficial and subsurface soil samples were collected from one boring (Tract 45 SB-1) for laboratory analysis. The subsurface soil sample interval was selected based on the field screening results. Temporary monitoring wells were installed at three depth intervals. Based on field screening results, a groundwater sample was collected for laboratory analysis from temporary monitoring well (Tract 45 TW-1 (17-21)).

#### 4.13.2 Soil Results

##### Tract 45 SB-1 (0-2):

- One VOC (acetone) was detected at a concentration greater than the MDL but less than screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 15 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron, lead, and manganese concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.

##### Tract 45 SB-1 (14-18):

- Two VOCs (acetone and carbon disulfide) were detected at concentrations greater than the MDLs but less than applicable screening values.
- One SVOC (naphthalene) was detected at concentrations greater than the SSL-Tap. No other SVOCs were detected at concentrations greater than the MDLs.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, iron, and

manganese concentrations exceeded the SSL-Taps. Other detected metal concentrations were less than applicable screening values.

#### 4.13.3 Groundwater Results

##### Tract 45 TW-1 (17-21):

- One VOC (benzene) was detected at a concentration greater than the MDL but less than the MCL. No other VOCs were detected at concentrations greater than the MDLs.
- One SVOC (naphthalene) was detected at a concentration exceeding the TWSL. No other SVOCs were detected at concentrations greater than the MDLs.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total cadmium, total chromium, and total lead concentrations exceeded the MCLs. Total aluminum, total iron, total manganese, and total vanadium concentrations exceeded the TWSLs. Other detected metal concentrations were less than screening values.

#### 4.13.4 Discussion

One surficial soil sample, one subsurface soil sample, and one groundwater sample were collected on Tract 45. Samples were analyzed for VOC, SVOC, and TAL Metals.

No VOCs were detected at concentrations exceeding screening values in the soil samples. One SVOC (naphthalene) was detected in the subsurface sample at a concentration exceeding the SSL-Tap. Arsenic was detected at concentrations exceeding the ISL, RSL, and SSL-MCL. Cobalt, iron, lead, and manganese were detected at concentrations exceeding the SSL-MCL/Taps.

No VOCs were detected at concentrations exceeding screening levels in the groundwater sample. One SVOC (naphthalene) was detected a concentration exceeding the TWSL. Arsenic, cadmium, chromium, and lead were detected at concentrations exceeding the MCLs. Aluminum, iron, manganese, and vanadium were detected at concentrations exceeding the TWSLs. Metals were not detected in the filtered groundwater samples at concentrations exceeding screening levels.

#### 4.13.5 Conclusion

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Naphthalene was detected in the subsurface soil at concentrations exceeding the SSL-Taps. The naphthalene concentration exceeded the TWSLs in the collected groundwater sample. There is no MCL listed for naphthalene.



Based on the filtered groundwater results for arsenic, cobalt, iron, lead, and manganese, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

Four metals (arsenic, cadmium, chromium, and lead) were detected in the groundwater at concentrations exceeding the MCLs; however, concentrations of each were less than the MCLs in the filtered groundwater sample.

#### **4.14 Tract 57 – Former Retail Petroleum Station**

##### **4.14.1 Site Background**

Tract 57 (Charleston County TMS # 466-08-00-421) was developed as a filling (retail petroleum) station on the 1912 and 1951 Sanborn Maps.

Roads to support the new port will require right-of-way from Tract 57. Based on the historical use of the property, the site was assessed for VOC, SVOC, and TAL Metals.

On December 8, 2011, surficial and subsurface soil samples were collected from one boring (Tract 57 SB-1) for laboratory analysis. The subsurface soil sample interval was selected based on the field screening results. Temporary monitoring wells were installed at two depth intervals. Based on field screening results, a groundwater sample was collected for laboratory analysis from temporary monitoring well (Tract 57 TW-1 (8-12)).

##### **4.14.2 Soil Results**

###### Tract 57 SB-1 (0-2):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the RSL and SSL-MCL. Iron, lead, and manganese concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.

###### Tract 57 SB-1 (6-10):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 14 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the RSL and SSL-MCL. Iron and mercury concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening values.

##### **4.14.3 Groundwater Results**

###### Tract 57 TW-1 (8-12):

- No VOCs were detected at concentrations greater than the MDLs.

- No SVOCs detected at concentrations greater than the MDLs.
- 17 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic, total cadmium, total chromium, and total lead concentrations exceeded the MCLs. Total aluminum, total iron, total manganese, and total vanadium concentrations exceeded TWSLs. Other detected metal concentrations were less than screening values.

#### 4.14.4 Discussion

One surficial soil sample, one subsurface soil sample, and one groundwater sample were collected on Tract 57. Samples were analyzed for VOC, SVOC, and TAL Metals.

No VOCs or SVOCs were detected at concentrations exceeding screening values in the soil samples. Arsenic was detected in both soil samples at concentrations exceeding the RSL and SSL-MCL. Iron, lead, and manganese were detected at concentrations exceeding SSL-MCL/Taps.

No VOCs or SVOCs were detected at concentrations exceeding screening levels in the groundwater sample. Arsenic, cadmium, chromium, and lead were detected at concentrations exceeding the MCLs. Aluminum, iron, manganese, mercury, and vanadium were detected at concentrations exceeding the TWSLs. Metals were not detected in the filtered groundwater sample at concentrations exceeding screening levels.

#### 4.14.5 Conclusion

Based on the filtered groundwater results for arsenic, iron, lead, and manganese, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

Four metals (arsenic, cadmium, chromium, and lead) were detected in the groundwater at concentrations exceeding the MCLs; however, concentrations of each were less than the MCLs in the filtered groundwater sample.

### **4.15 Tract 62 – Former Automobile Junk Yard**

#### 4.15.1 Site Background

Tract 62 (Charleston County TMS # 466-03-00-002) was previously part of an automobile junk yard.

Roads to support the new port will require right-of-way from Tract 62. Based on the historical use of the property, the site was assessed for VOC, SVOC, and TAL Metals.

Surficial and subsurface soil samples were collected from one boring (Tract 62 SB-1) for laboratory analysis. The subsurface soil sample interval was selected based on the field

screening results. Temporary monitoring wells were installed at two depth intervals. Based on field screening results, a groundwater sample was collected for laboratory analysis from temporary monitoring well (Tract 62 TW-1 (8-12)).

#### 4.15.2 Soil Results

##### Tract 62 SB-1 (0-2):

- No VOCs were detected at concentrations greater than the MDLs.
- One SVOC (butyl benzyl phthalate) was detected at a concentration exceeding the SSL-Tap. No other SVOCs were detected at concentrations greater than the MDLs.
- 15 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron, lead, manganese, and mercury concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.

##### Tract 62 SB-1 (4-8):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 15 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Iron, lead, and manganese concentrations exceeded the SSL-MCL/Taps. Other detected metal concentrations were less than applicable screening values.

#### 4.15.3 Groundwater Results

##### Tract 62 TW-1 (8-12):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 15 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Total arsenic concentration was equal to the MCL. Total cobalt concentration exceeded the TWSL. Other detected metal concentrations were less than screening values.

#### 4.15.4 Discussion

One surficial soil sample, one subsurface soil sample, and one groundwater sample were collected on Tract 62. Samples were analyzed for VOC, SVOC, and TAL Metals.

No VOCs were detected at concentrations exceeding screening values in the soil samples. One SVOC (butyl benzyl phthalate) was detected at a concentration exceeding the SSL/Tap. Arsenic was detected at concentrations at concentrations exceeding the ISL, RSL, and SSL-MCL. Iron, lead, manganese, and mercury were detected at concentrations exceeding SSL-MCL/Taps.

No VOCs or SVOCs were detected at concentrations exceeding screening levels in the groundwater sample. Arsenic was detected at a concentration exceeding the MCL. Cobalt and iron were detected at concentrations exceeding the TWSLs. Metals were not detected in the filtered groundwater sample at concentrations exceeding screening levels.

#### 4.15.5 Conclusion

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Based on the groundwater results for butyl benzyl phthalate and filtered groundwater results for arsenic, iron, lead, manganese, and mercury, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

One metal (arsenic) was detected in the groundwater at a concentration exceeding the MCL; however, the concentration was less than the MCL in the filtered groundwater sample.

### 4.16 Tract 67 – Calvary AME Church Lot

#### 4.16.1 Site Background

The northern, off-site portion of Tract 67 (Charleston County TMS # 466-07-00-001) was historically used as a filling (retail petroleum) station, auto repair shops, and a junk yard.

Roads to support the new port will require right-of-way from Tract 67. Based on the historical use of the surrounding property, the site was assessed for VOC, SVOC, and TAL Metals. Based on initial analytical results, Tract 67 SB-1 (0-2) soil sample was also analyzed for TCLP lead.

Surficial and subsurface soil samples were collected from one boring (Tract 67 SB-1) for laboratory analysis. The subsurface soil sample interval was selected based on the field screening results. Temporary monitoring wells were installed at three depth intervals. Based on field screening results, a groundwater sample was collected for laboratory analysis from temporary monitoring well (Tract 67 TW-1 (8-12)).

#### 4.16.2 Soil Results

##### Tract 67 SB-1 (0-2):

- Three VOCs (acetone, benzene, and toluene) were detected at concentrations greater than the MDLs but less than applicable screening values.
- 14 SVOCs were detected at concentrations greater than the MDLs. Benzo(a)pyrene and dibenz(a,h)anthracene concentrations exceeded the ISLs, RSLs, and SSL-MCLs. Benzo(a)anthracene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene concentrations exceeded the RSLs. Benzo(k)fluoranthene

concentration exceeded SSL-Tap. Other detected SVOC concentrations (acenaphthylene, anthracene, benzo(g,h,i)perylene, chrysene, fluoranthene, 2-methylnaphthalene, phenanthrene, and pyrene) were less than applicable screening values.

- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cadmium, copper, iron, lead, manganese, and mercury concentrations exceeded the SSL-MCL/Tap. Other detected metal concentrations were less than applicable screening values.
- TCLP lead concentration was the less than the regulatory level.

Tract 67 SB-1 (28-32):

- One VOC (acetone) was detected at a concentration greater than the MDL but less than applicable screening values.
- No SVOCs were detected at concentrations greater than the MDLs.
- 16 of the 23 TAL Metals were detected at concentrations greater than the MDLs. Arsenic concentration exceeded the ISL, RSL, and SSL-MCL. Cobalt, iron, and manganese concentrations exceeded the SSL-Taps. Other detected metal concentrations were less than applicable screening values.

#### 4.16.3 Groundwater Results

Tract 67 TW-1 (8-12):

- No VOCs were detected at concentrations greater than the MDLs.
- No SVOCs were detected at concentrations greater than the MDLs.
- 13 of the 23 TAL Metals were detected at concentrations greater than the MDLs but less than applicable screening values.

#### 4.16.4 Discussion

One surficial soil sample, one subsurface soil sample, and one groundwater sample were collected on Tract 67. Samples were analyzed for VOC, SVOC, and TAL Metals. Based on initial analytical results, the surficial soil sample was also analyzed for TCLP lead.

No VOCs were detected at concentrations exceeding the screening levels in the soil samples. Two SVOCs (benzo(a)pyrene and dibenz(a,h)anthracene) were detected in the surficial soil sample at concentrations exceeding the ISLs, RSLs, and SSL-MCLs. Three SVOCs (benzo(a)anthracene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene) were detected in the surficial soil sample at a concentration exceeding the RSLs. One SVOC (benzo(k)fluoranthene) was detected at a concentration exceeding the SSL-Tap. Arsenic was detected at concentrations exceeding the ISL, RSL, and SSL-MCL in the surficial and subsurface soil samples. Cadmium, cobalt, copper, iron, lead, manganese, and mercury were detected in soil at concentrations exceeding the SSL-MCL/Taps. TCLP lead concentration was less than the regulatory screening level.

No VOCs, SVOCs, or Metals were detected at concentrations exceeding screening levels in the groundwater sample.

#### 4.16.5 Conclusion

Arsenic was present in soil samples at concentrations exceeding ISLs. The detected arsenic concentrations were consistent with background concentrations in South Carolina.

Two SVOCs (benzo(a)pyrene and dibenz(a,h)anthracene) were detected in the surficial soil sample at concentrations exceeding the ISLs.

Based on the groundwater results for SVOCs and metals, it does not appear these parameters which were detected in the soil at concentrations exceeding the SSL-MCL/Taps have impacted site groundwater.

#### 4.17 Trip Blank Results

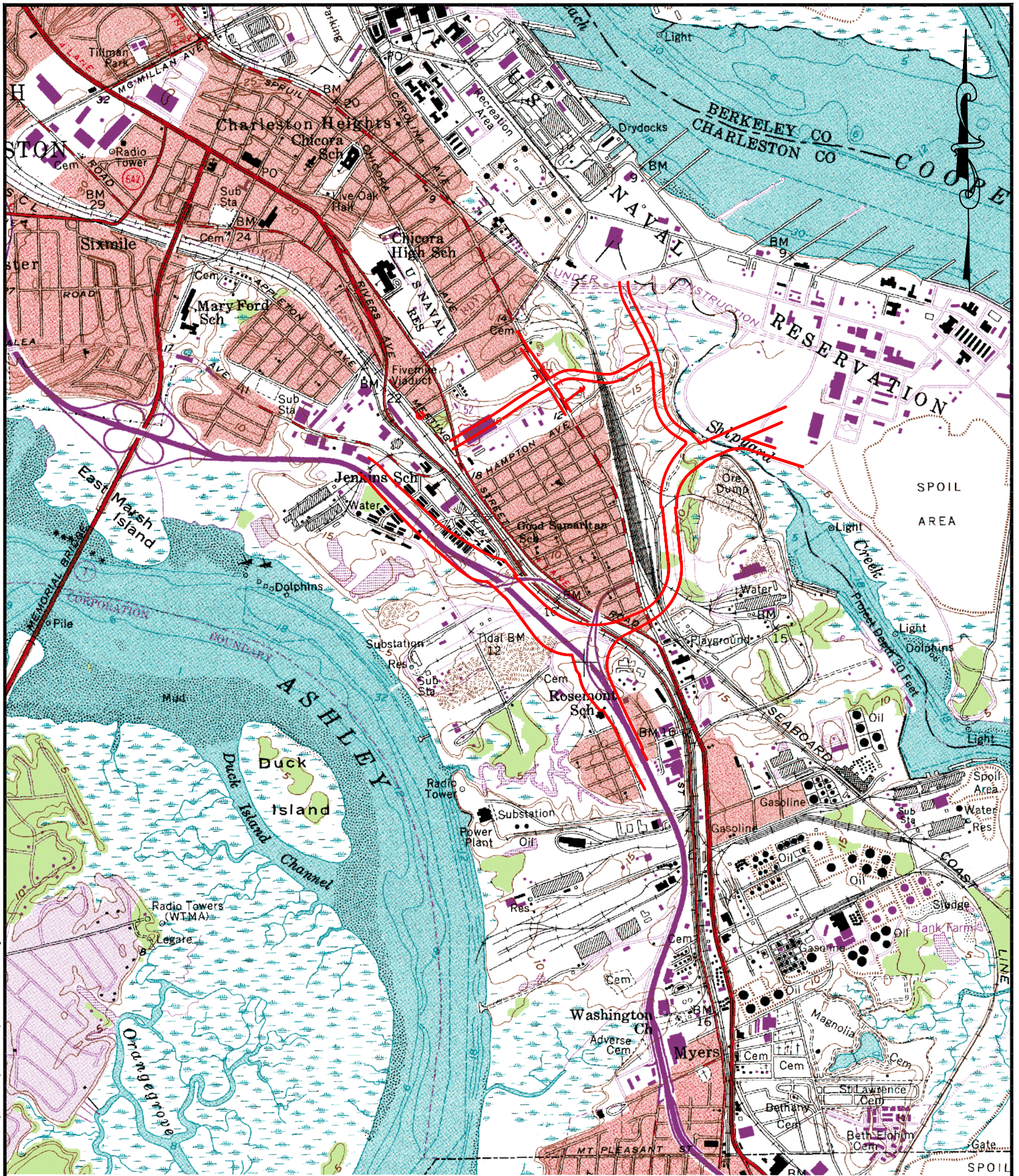
Trip blanks provided by the laboratory were stored with samples collected during the sampling events to determine if samples were contaminated during storage and/or shipment. A trip blank was maintained in each sample cooler containing VOC samples and was analyzed for VOCs.

Thirty-five trip blank samples were analyzed as part of this assessment. No VOCs were detected in the samples at concentrations exceeding screening levels.

### 5. LIMITATIONS

Environmental assessments are inherently constrained in the sense that conclusions and recommendations are developed from information obtained from limited research and site evaluation. The laboratory analytical results are representative of conditions that existed on the date these samples were collected. Conclusions about the site conditions under no circumstances comprise a warranty that conditions in all areas within the site are of the same quality as those sampled. In addition, contamination may exist in forms not indicated by the limited assessment. Changes in regulations, interpretations, and/or enforcement policies may occur at any time and such changes could affect our conclusions.

## **FIGURES**



Source: USGS Charleston, SC Quadrangle. 7.5 Minute Series.

SCALE:	1: 24,000
APPROVED BY:	
DRAWN BY:	LAJ
DATE:	3-02-2015



<b>SITE VICINITY MAP</b>	PORT ACCESS ROAD NORTH CHARLESTON, SOUTH CAROLINA	FIGURE NO.
		1
JOB NO:	1131-08-554	





SCALE IN FEET

Source: South Carolina Department of Transportation

LEGEND

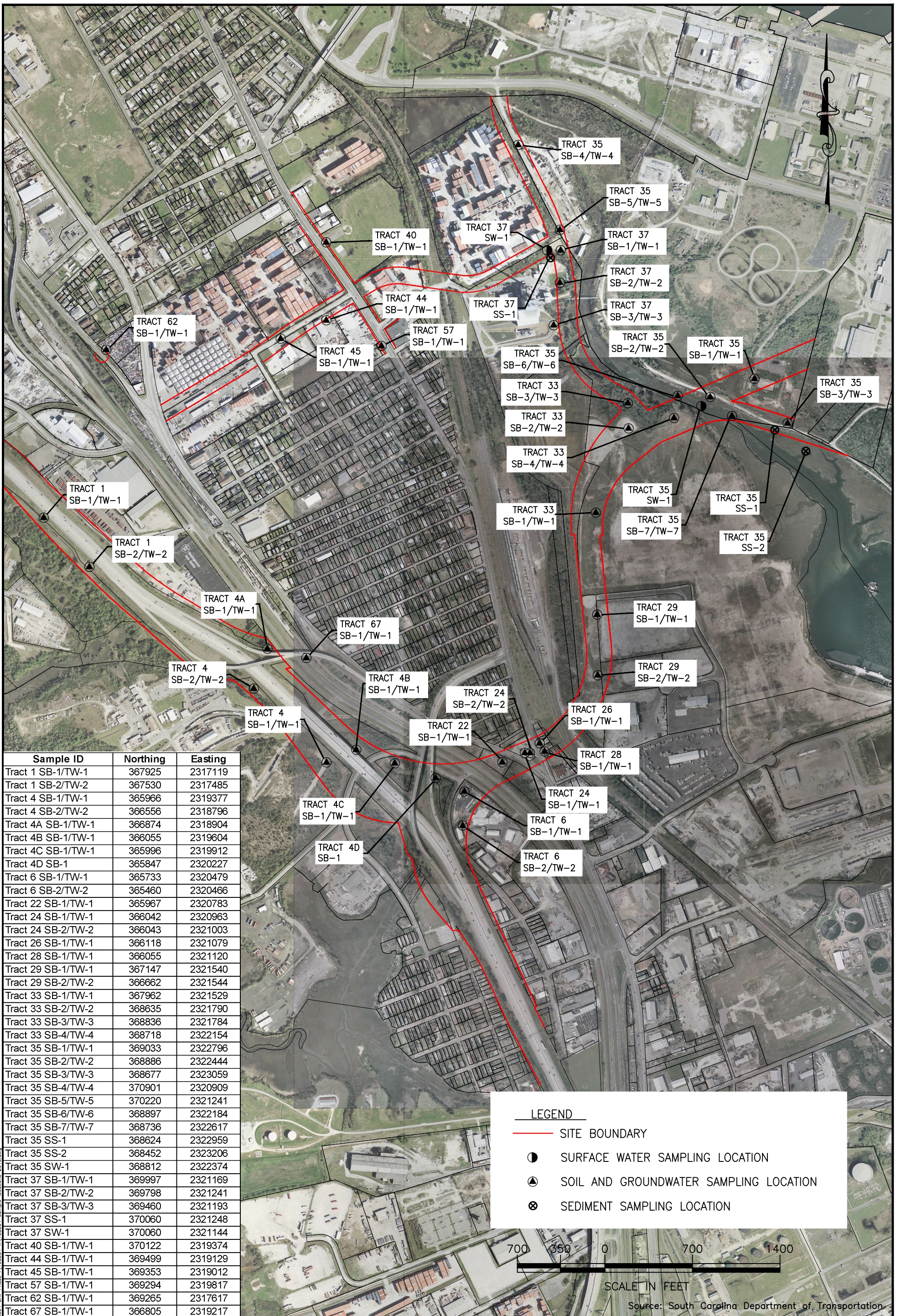
- SITE BOUNDARY
- ## SCDOT TRACT IDENTIFICATION NUMBER

C:\Drawings\1131\2008\106554\106554\_Ext\_Phase\106554\_106554\_sample\_locations\_2015.dwg

**SITE MAP**  
 PORT ACCESS ROAD  
 NORTH CHARLESTON, SOUTH CAROLINA



SCALE: AS SHOWN	DRAWN BY: LAJ
PROJECT NO. 1131-08-554	APPROVED BY: ACW
DATE: 5-14-2015	FIGURE NO. 2



Sample ID	Northing	Easting
Tract 1 SB-1/TW-1	367925	2317119
Tract 1 SB-2/TW-2	367530	2317485
Tract 4 SB-1/TW-1	365966	2319377
Tract 4 SB-2/TW-2	366556	2318796
Tract 4A SB-1/TW-1	366874	2318904
Tract 4B SB-1/TW-1	366055	2319604
Tract 4C SB-1/TW-1	365996	2319912
Tract 4D SB-1	365847	2320227
Tract 6 SB-1/TW-1	365733	2320479
Tract 6 SB-2/TW-2	365460	2320466
Tract 22 SB-1/TW-1	365967	2320783
Tract 24 SB-1/TW-1	366042	2320963
Tract 24 SB-2/TW-2	366043	2321003
Tract 26 SB-1/TW-1	366118	2321079
Tract 28 SB-1/TW-1	366055	2321120
Tract 29 SB-1/TW-1	367147	2321540
Tract 29 SB-2/TW-2	366662	2321544
Tract 33 SB-1/TW-1	367962	2321529
Tract 33 SB-2/TW-2	368635	2321790
Tract 33 SB-3/TW-3	368836	2321784
Tract 33 SB-4/TW-4	368718	2322154
Tract 35 SB-1/TW-1	369033	2322796
Tract 35 SB-2/TW-2	368886	2322444
Tract 35 SB-3/TW-3	368677	2323059
Tract 35 SB-4/TW-4	370901	2320909
Tract 35 SB-5/TW-5	370220	2321241
Tract 35 SB-6/TW-6	368897	2322184
Tract 35 SB-7/TW-7	368736	2322617
Tract 35 SS-1	368624	2322959
Tract 35 SS-2	368452	2323206
Tract 35 SW-1	368812	2322374
Tract 37 SB-1/TW-1	369997	2321169
Tract 37 SB-2/TW-2	369798	2321241
Tract 37 SB-3/TW-3	369460	2321193
Tract 37 SS-1	370060	2321248
Tract 37 SW-1	370060	2321144
Tract 40 SB-1/TW-1	370122	2319374
Tract 44 SB-1/TW-1	369499	2319129
Tract 45 SB-1/TW-1	369353	2319012
Tract 57 SB-1/TW-1	369294	2319817
Tract 62 SB-1/TW-1	369265	2317617
Tract 67 SB-1/TW-1	366805	2319217

**LEGEND**

- SITE BOUNDARY
- SURFACE WATER SAMPLING LOCATION
- ▲ SOIL AND GROUNDWATER SAMPLING LOCATION
- ⊗ SEDIMENT SAMPLING LOCATION



Source: South Carolina Department of Transportation

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**SAMPLE LOCATIONS**

PORT ACCESS ROAD  
NORTH CHARLESTON, SOUTH CAROLINA

**S&ME**

ENGINEERING • TESTING • ENVIRONMENTAL SERVICES

SCALE: AS SHOWN	DRAWN BY: LAJ
PROJECT NO. 1131-08-554	APPROVED BY: ACW
DATE: 5-14-2015	FIGURE NO. 3

## **TABLES**

**Table 1**  
**Summary of Groundwater Field Screening Data**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Sample ID	PCE <sup>(1)</sup> (ppm) <sup>(3)</sup>	TVA <sup>(2)</sup> (ppm)	Notes
Tract 1 TW-1 (5-9)	ND <sup>(4)</sup>	161.09	
Tract 1 TW-1 (24-28)	ND	195	
Tract 1 TW-1 (54-60)	ND	400	
Tract 1 TW-2 (5-9)	ND	3.38	
Tract 1 TW-2 (26-30)	ND	52	
Tract 1 TW-2 (59-63)	ND	ND	
Tract 4 TW-1 (8-12)	No Field Screening		Collected directly for laboratory analysis.
Tract 4 TW-1 (48-52)	ND	ND	
Tract 4 TW-2 (4-14)	No Field Screening		Collected directly for laboratory analysis.
Tract 4 TW-2 (20-24)	ND	ND	
Tract 4 TW-2 (44-48)	ND	ND	
Tract 4A TW-1 (8-12)	No Field Screening		Collected directly for laboratory analysis.
Tract 4A TW-1 (17-21)	ND	ND	
Tract 4A TW-1 (44-48)	ND	ND	
Tract 4B TW-1 (6-10)	No Field Screening		Collected directly for laboratory analysis.
Tract 4B TW-1 (26-30)	ND	ND	
Tract 4B TW-1 (44-48)	ND	ND	
Tract 4C TW-1 (3-13)	No Field Screening		Collected directly for laboratory analysis.
Tract 4C TW-1 (20-24)	ND	ND	
Tract 6 TW-1 (8-12)	ND	977	
Tract 6 TW-1 (16-20)	ND	3.55	
Tract 6 TW-2 (7-11)	ND	134	very little water
Tract 6 TW-2 (54-58)	ND	1589	
Tract 22 TW-1 (3-7)	ND	228	
Tract 22 TW-1 (16-20)	0.2	17.42	
Tract 22 TW-1 (40-44)	ND	226	
Tract 22 TW-1 (56-60)	ND	4.03	
Tract 24 TW-1 (4-8)	ND	355	
Tract 24 TW-1 (18-22)	ND	2.64	
Tract 24 TW-1 (40-44)	ND	23	
Tract 24 TW-1 (60-64)	ND	ND	
Tract 24 TW-2 (3-7)	ND	25659	
Tract 24 TW-2 (18-22)	ND	161	
Tract 24 TW-2 (37-41)	ND	439	
Tract 24 TW-2 (56-60)	ND	ND	
Tract 26 TW-1 (4-8)	ND	8.98	
Tract 26 TW-1 (26-30)	ND	ND	
Tract 26 TW-1 (51-55)	No Sample		Dry
Tract 28 TW-1 (3-7)	ND	ND	
Tract 28 TW-1 (22-26)	ND	70	
Tract 28 TW-1 (40-44)	ND	1003	
Tract 28 TW-1 (59-65)	ND	736	
Tract 29 TW-1 (8-12)	ND	ND	
Tract 29 TW-1 (20-24)	ND	ND	
Tract 29 TW-2 (8-12)	ND	ND	
Tract 29 TW-2 (24-28)	ND	ND	

**Table 1**  
**Summary of Groundwater Field Screening Data**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Sample ID	PCE <sup>(1)</sup> (ppm) <sup>(3)</sup>	TVA <sup>(2)</sup> (ppm)	Notes
Tract 33 TW-1 (8-12)	ND	2.82	
Tract 33 TW-1 (20-24)	ND	12.31	
Tract 33 TW-2 (8-12)	ND	ND	
Tract 33 TW-2 (20-24)	ND	18.02	
Tract 33 TW-3 (8-12)	No Sample		Dry
Tract 33 TW-3 (20-24)	ND	20	
Tract 33 TW-4 (14-18)	ND	5.02	
Tract 33 TW-4 (23-27)	ND	1.53	
Tract 35 TW-1 (1-5)	ND	4.65	
Tract 35 TW-1 (20-24)	No Sample		Silt blocked screen
Tract 35 TW-1 (40-44)	ND	888	
Tract 35 TW-2 (1-5)	ND	ND	
Tract 35 TW-2 (13-17)	No Sample		Silt blocked screen
Tract 35 TW-2 (26-30)	ND	ND	
Tract 35 TW-3 (1-5)	ND	314	
Tract 35 TW-4 (1-5)	No Sample		Dry
Tract 35 TW-4 (16-20)	ND	ND	
Tract 35 TW-4 (26-30)	ND	ND	
Tract 35 TW-5 (0-10)	ND	104.94	PVC well set 0-10 feet below ground surface
Tract 35 TW-5 (12-16)	ND	ND	
Tract 35 TW-5 (23-27)	ND	102	
Tract 35 TW-6 (16-20)	ND	70.28	
Tract 35 TW-7 (4-8)	ND	103.37	very little water
Tract 35 TW-7 (20-24)	ND	42.33	
Tract 37 TW-1 (5-9)	ND	8.99	
Tract 37 TW-1 (20-24)	5	34.09	
Tract 37 TW-2 (10-14)	ND	ND	
Tract 37 TW-2 (24-28)	ND	2.7	
Tract 37 TW-3 (10-14)	ND	1.05	
Tract 37 TW-3 (26-30)	ND	ND	
Tract 40 TW-1 (4-8)	ND	1.04	
Tract 40 TW-1 (18-22)	ND	0.49	
Tract 40 TW-1 (46-50)	No Sample		Dry
Tract 44 TW-1 (4-8)	ND	98.06	
Tract 44 TW-1 (21-25)	ND	9.06	
Tract 44 TW-1 (36-40)	No Sample		Dry
Tract 45 TW-1 (4-8)	ND	0.48	
Tract 45 TW-1 (17-21)	ND	532	
Tract 45 TW-1 (50-54)	No Sample		Dry
Tract 57 TW-1 (8-12)	ND	ND	
Tract 57 TW-1 (26-30)	ND	ND	
Tract 62 TW-1 (8-12)	ND	0.18	
Tract 62 TW-1 (21-25)	ND	3.5	
Tract 67 TW-1 (8-12)	ND	ND	
Tract 67 TW-1 (22-26)	ND	ND	
Tract 67 TW-1 (45-49)	ND	ND	

Notes:

Indicates sample submitted for laboratory analysis.

1. Perchloroethene (PCE) detector tubes.
2. Toxic Vapor Analyzer (TVA).
3. parts per million (ppm).
4. Not Detected (ND).

**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWB3949-01 Tract 1 SB-1 (0-2) 02/28/2012			NWB3949-02 Tract 1 SB-1 (36-40) 02/28/2012			NWB3949-04 Tract 1 SB-2 (0-2) 02/28/2012			NWB3949-05 Tract 1 SB-2 (50-54) 02/28/2012			490-66802-1 TRACT 4 SB-1 (4-8) 11/18/2014		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	< 0.0236		0.0236	0.105	J	0.0551	0.0387	J	0.0254	0.0503	J	0.0470	< 0.0475		0.0475
Benzene	5.1	1.2	0.0026	0.00023	< 0.00104		0.00104	< 0.00243		0.00243	<b>0.00369</b>		0.00112	< 0.00207		0.00207	< 0.000796		0.000796
Bromochloromethane	630	150	NE	0.021	< 0.00113		0.00113	< 0.00265		0.00265	< 0.00122		0.00122	< 0.00226		0.00226	< 0.000654		0.000654
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.000654		0.000654
Bromoform	290	67	0.021	0.0024	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.000654		0.000654
Bromomethane	30	6.8	NE	0.0019	< 0.00113		0.00113	< 0.00265		0.00265	< 0.00122		0.00122	< 0.00226		0.00226	< 0.00143	*	0.00143
2-Butanone	190000	27000	NE	1.2	< 0.0236		0.0236	< 0.0551		0.0551	< 0.0254		0.0254	< 0.0470		0.0470	< 0.00606		0.00606
Carbon disulfide	3500	770	NE	0.24	< 0.00340		0.00340	< 0.00794		0.00794	< 0.00366		0.00366	< 0.00677		0.00677	< 0.00428		0.00428
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.000796	*	0.000796
Chlorobenzene	1300	280	0.068	0.053	< 0.00104		0.00104	< 0.00243		0.00243	< 0.00112		0.00112	< 0.00207		0.00207	< 0.000796		0.000796
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.000404		0.000404
Chloroethane	57000	14000	NE	5.9	< 0.00236		0.00236	< 0.00551		0.00551	< 0.00254		0.00254	< 0.00470		0.00470	< 0.00226		0.00226
Chloroform	1.4	0.32	0.022	0.000061	< 0.00123		0.00123	< 0.00287		0.00287	< 0.00132		0.00132	< 0.00244		0.00244	< 0.000796		0.000796
Chloromethane	460	110	NE	0.049	< 0.00104		0.00104	< 0.00243		0.00243	< 0.00112		0.00112	< 0.00207		0.00207	< 0.000796		0.000796
Cyclohexane	27000	6500	NE	13	< 0.00472		0.00472	< 0.0110		0.0110	< 0.00509		0.00509	< 0.00940		0.00940	< 0.00392		0.00392
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.00000014	< 0.00236		0.00236	< 0.00551		0.00551	< 0.00254		0.00254	< 0.00470		0.00470	< 0.000832	*	0.000832
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.00119		0.00119
Methylcyclohexane	NE	NE	NE	NE	< 0.00472		0.00472	< 0.0110		0.0110	< 0.00509		0.00509	< 0.00940		0.00940	< 0.00392		0.00392
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.000404		0.000404
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.00113		0.00113	< 0.00265		0.00265	< 0.00122		0.00122	< 0.00226		0.00226	< 0.000796		0.000796
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.00104		0.00104	< 0.00243		0.00243	< 0.00112		0.00112	< 0.00207		0.00207	< 0.000796		0.000796
Dichlorodifluoromethane	370	87	NE	0.3	< 0.00132		0.00132	< 0.00309		0.00309	< 0.00142		0.00142	< 0.00263		0.00263	< 0.00119		0.00119
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.00104		0.00104	< 0.00243		0.00243	< 0.00112		0.00112	< 0.00207		0.00207	< 0.000796		0.000796
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.00123		0.00123	< 0.00287		0.00287	< 0.00132		0.00132	< 0.00244		0.00244	< 0.000796		0.000796
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.00113		0.00113	< 0.00265		0.00265	< 0.00122		0.00122	< 0.00226		0.00226	< 0.000678		0.000678
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.00123		0.00123	< 0.00287		0.00287	< 0.00132		0.00132	< 0.00244		0.00244	< 0.000796		0.000796
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	< 0.00104		0.00104	< 0.00243		0.00243	< 0.00112		0.00112	< 0.00207		0.00207	< 0.000939		0.000939
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.00104		0.00104	< 0.00243		0.00243	< 0.00112		0.00112	< 0.00207		0.00207	< 0.000796		0.000796
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.00112		0.00112
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.000796		0.000796
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.000796		0.000796
Ethylbenzene	25	5.8	0.78	0.0017	< 0.00104		0.00104	< 0.00243		0.00243	< 0.00112		0.00112	< 0.00207		0.00207	< 0.000796		0.000796
2-Hexanone	1300	200	NE	0.0088	< 0.0236		0.0236	< 0.0551		0.0551	< 0.0254		0.0254	< 0.0470		0.0470	< 0.0199		0.0199
Isopropylbenzene	9900	1900	NE	0.74	< 0.00104		0.00104	< 0.00243		0.00243	< 0.00112		0.00112	< 0.00207		0.00207	< 0.000487		0.000487
Methyl Acetate	1200000	78000	NE	4.1	< 0.00472		0.00472	< 0.0110		0.0110	< 0.00509		0.00509	< 0.00940		0.00940	< 0.00274	*	0.00274
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.00114		0.00114
Methylene Chloride	1000	57	0.0013	0.0029	< 0.00472		0.00472	< 0.0110		0.0110	< 0.00509		0.00509	< 0.00940		0.00940	< 0.00102		0.00102
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0236		0.0236	< 0.0551		0.0551	< 0.0254		0.0254	< 0.0470		0.0470	< 0.0202		0.0202
Styrene	35000	6000	0.11	1.3	< 0.00104		0.00104	< 0.00243		0.00243	< 0.00112		0.00112	< 0.00207		0.00207	< 0.00131		0.00131
1,1,2,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.00119		0.00119
Tetrachloroethene	100	24	0.0023	0.0051	< 0.00123		0.00123	< 0.00287		0.00287	< 0.00132		0.00132	< 0.00244		0.00244	< 0.000868		0.000868
Toluene	47000	4900	0.69	0.76	< 0.00104		0.00104	< 0.00243		0.00243	0.00128	J	0.00112	< 0.00207		0.00207	< 0.000880		0.000880
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.00113		0.00113	< 0.00265		0.00265	< 0.00122		0.00122	< 0.00226		0.00226	< 0.000796		0.000796
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.00104		0.00104	< 0.00243		0.00243	< 0.00112		0.00112	< 0.00207		0.00207	< 0.000452		0.000452
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.00109		0.00109
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	< 0.00236		0.00236	< 0.00551		0.00551	< 0.00254		0.00254	< 0.00470		0.00470	< 0.00166		0.00166
Trichloroethene	6	0.94	0.0018	0.00018	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.00114		0.00114
Trichlorofluoromethane	3100	730	NE	0.73	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.00119	*	0.00119
Vinyl chloride	1.7	0.059	0.00069	0.0000065	< 0.000945		0.000945	< 0.00220		0.00220	< 0.00102		0.00102	< 0.00188		0.00188	< 0.00131		0.00131
Xylenes, total	2500	580	9.8	0.19	< 0.00236		0.00236	< 0.00551		0.00551	< 0.00254		0.00254	< 0.00470		0.00470	< 0.000796		0.000796

**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-66957-6 Tract 4 SB-2 (0-2) 11/20/2014			490-66957-7 Tract 4 SB-2 (40-44) 11/20/2014			490-66957-3 Tract 4A SB-1 (0-2) 11/20/2014			490-66957-4 Tract 4A SB-1 (32-36) 11/20/2014			490-66802-3 TRACT 4B SB-1 (1-3) 11/19/2014			490-66802-4 TRACT 4B SB-1 (18-22) 11/19/2014		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	< 0.0396	0.0396	0.327	0.0743	0.0612	0.0375	0.265	0.0845	< 0.0328	0.0328	0.294	0.0846						
Benzene	5.1	1.2	0.0026	0.00023	< 0.000663	0.000663	< 0.00124	0.00124	0.000685	J	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	0.00154	J	0.00142				
Bromochloromethane	630	150	NE	0.021	< 0.000544	0.000544	< 0.00102	0.00102	< 0.000516	0.000516	< 0.00116	0.00116	< 0.000452	0.000452	< 0.00116	0.00116						
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.000544	0.000544	< 0.00102	0.00102	< 0.000516	0.000516	< 0.00116	0.00116	< 0.000452	0.000452	< 0.00116	0.00116						
Bromoform	290	67	0.021	0.0024	< 0.000544	0.000544	< 0.00102	0.00102	< 0.000516	0.000516	< 0.00116	0.00116	< 0.000452	0.000452	< 0.00116	0.00116						
Bromomethane	30	6.8	NE	0.0019	< 0.00119	*	0.00119	< 0.00223	*	0.00223	< 0.00113	*	0.00113	< 0.00253	*	0.00253	< 0.000985	*	0.000985	< 0.00254	*	0.00254
2-Butanone	190000	27000	NE	1.2	< 0.00504	0.00504	0.0282	J	0.00947	< 0.00478	0.00478	0.0245	J	0.0108	< 0.00419	0.00419	0.0445	J	0.0108			
Carbon disulfide	3500	770	NE	0.24	< 0.00356	0.00356	0.121	0.00668	< 0.00338	0.00338	0.0587	0.00760	< 0.00296	0.00296	0.0372	0.00762						
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	*	0.000550	< 0.00142	*	0.00142				
Chlorobenzene	1300	280	0.068	0.053	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.000336	0.000336	< 0.000631	0.000631	< 0.000319	0.000319	< 0.000718	0.000718	< 0.000279	0.000279	< 0.000719	0.000719						
Chloroethane	57000	14000	NE	5.9	< 0.00188	0.00188	< 0.00353	0.00353	< 0.00178	0.00178	< 0.00401	0.00401	< 0.00156	0.00156	< 0.00402	0.00402						
Chloroform	1.4	0.32	0.022	0.000061	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						
Chloromethane	460	110	NE	0.049	< 0.000663	*	0.000663	< 0.00124	*	0.00124	< 0.000628	*	0.000628	< 0.00141	*	0.00141	< 0.000550	0.000550	< 0.00142	0.00142		
Cyclohexane	27000	6500	NE	13	< 0.00326	0.00326	< 0.00613	0.00613	< 0.00309	0.00309	< 0.00697	0.00697	< 0.00271	0.00271	< 0.00698	0.00698						
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.0000014	< 0.000692	0.000692	< 0.00130	0.00130	< 0.000656	0.000656	< 0.00148	0.00148	< 0.000575	*	0.000575	< 0.00148	*	0.00148				
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.000989	0.000989	< 0.00186	0.00186	< 0.000938	0.000938	< 0.00211	0.00211	< 0.000821	0.000821	< 0.00212	0.00212						
Methylcyclohexane	NE	NE	NE	NE	< 0.00326	0.00326	< 0.00613	0.00613	< 0.00309	0.00309	< 0.00697	0.00697	< 0.00271	0.00271	< 0.00698	0.00698						
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.000336	0.000336	< 0.000631	0.000631	< 0.000319	0.000319	< 0.000718	0.000718	< 0.000279	0.000279	< 0.000719	0.000719						
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						
Dichlorodifluoromethane	370	87	NE	0.3	< 0.000989	0.000989	< 0.00186	0.00186	< 0.000938	0.000938	< 0.00211	0.00211	< 0.000821	0.000821	< 0.00212	0.00212						
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.000564	0.000564	< 0.00106	0.00106	< 0.000534	0.000534	< 0.00120	0.00120	< 0.000468	0.000468	< 0.00121	0.00121						
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	< 0.000781	0.000781	< 0.00147	0.00147	< 0.000741	0.000741	< 0.00167	0.00167	< 0.000649	0.000649	< 0.00167	0.00167						
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.000930	0.000930	< 0.00175	0.00175	< 0.000881	0.000881	< 0.00199	0.00199	< 0.000772	0.000772	< 0.00199	0.00199						
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						
Ethylbenzene	25	5.8	0.78	0.0017	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						
2-Hexanone	1300	200	NE	0.0088	< 0.0165	0.0165	< 0.0310	0.0310	< 0.0157	0.0157	< 0.0353	0.0353	< 0.0137	0.0137	< 0.0353	0.0353						
Isopropylbenzene	9900	1900	NE	0.74	< 0.000405	0.000405	< 0.000761	0.000761	< 0.000384	0.000384	< 0.000866	0.000866	< 0.000337	0.000337	< 0.000867	0.000867						
Methyl Acetate	1200000	78000	NE	4.1	< 0.00237	0.00237	< 0.00446	0.00446	< 0.00225	0.00225	< 0.00507	0.00507	< 0.00214	*	0.00214	< 0.00485	*	0.00485				
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.000949	0.000949	< 0.00178	0.00178	< 0.000900	0.000900	< 0.00203	0.00203	< 0.000788	0.000788	< 0.00203	0.00203						
Methylene Chloride	1000	57	0.0013	0.0029	<b>0.00386</b>	J	0.000850	< 0.00160	0.00160	<b>0.00158</b>	J	0.000806	<b>0.00183</b>	J	0.00182	< 0.000706	0.000706	< 0.00182	0.00182			
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0168	0.0168	< 0.0316	0.0316	< 0.0159	0.0159	< 0.0359	0.0359	< 0.0140	0.0140	< 0.0360	0.0360						
Styrene	35000	6000	0.11	1.3	< 0.00109	0.00109	< 0.00204	0.00204	< 0.00103	0.00103	< 0.00232	0.00232	< 0.000903	0.000903	< 0.00233	0.00233						
1,1,2,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.000989	0.000989	< 0.00186	0.00186	< 0.000938	0.000938	< 0.00211	0.00211	< 0.000821	0.000821	< 0.00212	0.00212						
Tetrachloroethene	100	24	0.0023	0.0051	< 0.000722	*	0.000722	< 0.00136	*	0.00136	< 0.000684	*	0.000684	< 0.00154	*	0.00154	< 0.000599	0.000599	< 0.00154	0.00154		
Toluene	47000	4900	0.69	0.76	< 0.000732	*	0.000732	< 0.00137	*	0.00137	< 0.000694	*	0.000694	< 0.00156	*	0.00156	< 0.000608	0.000608	< 0.00157	0.00157		
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.000376	*	0.000376	< 0.000705	*	0.000705	< 0.000356	*	0.000356	< 0.000803	*	0.000803	< 0.000312	0.000312	< 0.000804	0.000804		
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.000910	0.000910	< 0.00171	0.00171	< 0.000863	0.000863	< 0.00194	0.00194	< 0.000755	0.000755	< 0.00195	0.00195						
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	< 0.00138	0.00138	< 0.00260	0.00260	< 0.00131	0.00131	< 0.00296	0.00296	< 0.00115	0.00115	< 0.00296	0.00296						
Trichloroethene	6	0.94	0.0018	0.00018	< 0.000949	0.000949	< 0.00178	0.00178	< 0.000900	0.000900	< 0.00203	0.00203	< 0.000788	0.000788	< 0.00203	0.00203						
Trichlorofluoromethane	3100	730	NE	0.73	< 0.000989	0.000989	< 0.00186	0.00186	< 0.000938	0.000938	< 0.00211	0.00211	< 0.000821	*	0.000821	< 0.00212	*	0.00212				
Vinyl chloride	1.7	0.059	0.00069	0.0000065	< 0.00109	0.00109	< 0.00204	0.00204	< 0.00103	0.00103	< 0.00232	0.00232	< 0.000903	0.000903	< 0.00233	0.00233						
Xylenes, total	2500	580	9.8	0.19	< 0.000663	0.000663	< 0.00124	0.00124	< 0.000628	0.000628	< 0.00141	0.00141	< 0.000550	0.000550	< 0.00142	0.00142						

**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-66802-6 TRACT 4C SB-1 (0-2) 11/19/2014			490-66957-1 Tract 4C SB-1 (42-46) 11/19/2014			490-67111-1 TRACT 4D SB-1 (0-2) 11/21/2014			490-67111-2 TRACT 4D SB-1 (6-10) 11/21/2014			490-37637-1 Tract 6 SB-1 (0-2) 10/10/2013			490-37637-2 Tract 6 SB-1 (10-14) 10/10/2013		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	< 0.0429		0.0429	0.113		0.0730	< 0.0428		0.0428	< 0.0433		0.0433	0.111		0.0411	< 0.0515		0.0515
Benzene	5.1	1.2	0.0026	0.00023	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
Bromochloromethane	630	150	NE	0.021	< 0.000591		0.000591	< 0.00100		0.00100	< 0.000588		0.000588	< 0.000596		0.000596	< 0.000566		0.000566	< 0.000708		0.000708
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.000591		0.000591	< 0.00100		0.00100	< 0.000588	*	0.000588	< 0.000596		0.000596	< 0.000566		0.000566	< 0.000708		0.000708
Bromoform	290	67	0.021	0.0024	< 0.000591	*	0.000591	< 0.00100		0.00100	< 0.000588		0.000588	< 0.000596		0.000596	< 0.000566		0.000566	< 0.000708		0.000708
Bromomethane	30	6.8	NE	0.0019	< 0.00128	H	0.00128	< 0.00219	*	0.00219	< 0.00128		0.00128	< 0.00130	*	0.00130	< 0.00123		0.00123	< 0.00154		0.00154
2-Butanone	190000	27000	NE	1.2	0.00583	J	0.00548	0.0119	J	0.00931	< 0.00545		0.00545	< 0.00553		0.00553	0.0232	J	0.00524	< 0.00656		0.00656
Carbon disulfide	3500	770	NE	0.24	< 0.00387		0.00387	0.0166		0.00657	< 0.00385		0.00385	< 0.00390		0.00390	< 0.00370		0.00370	< 0.00463		0.00463
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
Chlorobenzene	1300	280	0.068	0.053	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.000365		0.000365	< 0.000621		0.000621	< 0.000364		0.000364	< 0.000368		0.000368	< 0.000350		0.000350	< 0.000438		0.000438
Chloroethane	57000	14000	NE	5.9	< 0.00204		0.00204	< 0.00347		0.00347	< 0.00203		0.00203	< 0.00206		0.00206	< 0.00195		0.00195	< 0.00244		0.00244
Chloroform	1.4	0.32	0.022	0.000061	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
Chloromethane	460	110	NE	0.049	< 0.000719		0.000719	< 0.00122	*	0.00122	< 0.000716		0.000716	< 0.000726	*	0.000726	< 0.000689		0.000689	< 0.000862		0.000862
Cyclohexane	27000	6500	NE	13	< 0.00354		0.00354	< 0.00602		0.00602	< 0.00353		0.00353	< 0.00358		0.00358	< 0.00339		0.00339	< 0.00425		0.00425
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.0000014	< 0.000752	*	0.000752	< 0.00128		0.00128	< 0.000749		0.000749	< 0.000758		0.000758	< 0.000720		0.000720	< 0.000901		0.000901
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.00107		0.00107	< 0.00183		0.00183	< 0.00107		0.00107	< 0.00108		0.00108	< 0.00103		0.00103	< 0.00129		0.00129
Methylcyclohexane	NE	NE	NE	NE	< 0.00354		0.00354	< 0.00602		0.00602	< 0.00353		0.00353	< 0.00358		0.00358	< 0.00339		0.00339	< 0.00425		0.00425
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.000365		0.000365	< 0.000621		0.000621	< 0.000364		0.000364	< 0.000368		0.000368	< 0.000350		0.000350	< 0.000438		0.000438
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
Dichlorodifluoromethane	370	87	NE	0.3	< 0.00107		0.00107	< 0.00183		0.00183	< 0.00107		0.00107	< 0.00108		0.00108	< 0.00103		0.00103	< 0.00129		0.00129
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.000612		0.000612	< 0.00104		0.00104	< 0.000609		0.000609	< 0.000618		0.000618	< 0.000586		0.000586	< 0.000733		0.000733
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	< 0.000848		0.000848	< 0.00144		0.00144	< 0.000845		0.000845	< 0.000856		0.000856	< 0.000812		0.000812	< 0.00102		0.00102
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.00101		0.00101	< 0.00172		0.00172	< 0.00101		0.00101	< 0.00102		0.00102	< 0.000967		0.000967	< 0.00121		0.00121
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
Ethylbenzene	25	5.8	0.78	0.0017	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	0.000776	J	0.000689	< 0.000862		0.000862
2-Hexanone	1300	200	NE	0.0088	< 0.0179	*	0.0179	< 0.0305		0.0305	< 0.0179		0.0179	< 0.0181		0.0181	< 0.0172		0.0172	< 0.0215		0.0215
Isopropylbenzene	9900	1900	NE	0.74	< 0.000440		0.000440	< 0.000748		0.000748	< 0.000438		0.000438	< 0.000444		0.000444	< 0.000422		0.000422	< 0.000528		0.000528
Methyl Acetate	1200000	78000	NE	4.1	< 0.00258	*	0.00258	< 0.00438		0.00438	< 0.00257	*	0.00257	< 0.00260		0.00260	< 0.00247		0.00247	< 0.00309		0.00309
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.00103		0.00103	< 0.00175		0.00175	< 0.00103		0.00103	< 0.00104		0.00104	< 0.000987		0.000987	< 0.00124		0.00124
Methylene Chloride	1000	57	0.0013	0.0029	< 0.000923		0.000923	< 0.00157		0.00157	0.0270		0.000920	0.00306	J	0.000932	0.00246	J B	0.000884	< 0.00111		0.00111
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0183	*	0.0183	< 0.0310		0.0310	< 0.0182		0.0182	< 0.0184		0.0184	< 0.0175		0.0175	< 0.0219		0.0219
Styrene	35000	6000	0.11	1.3	< 0.00118		0.00118	< 0.00201		0.00201	< 0.00118		0.00118	< 0.00119		0.00119	< 0.00113		0.00113	< 0.00142		0.00142
1,1,1,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.00107		0.00107	< 0.00183		0.00183	< 0.00107		0.00107	< 0.00108		0.00108	< 0.00103		0.00103	< 0.00129		0.00129
Tetrachloroethene	100	24	0.0023	0.0051	< 0.000784		0.000784	< 0.00133	*	0.00133	< 0.000781		0.000781	< 0.000791	*	0.000791	< 0.000751		0.000751	< 0.000939		0.000939
Toluene	47000	4900	0.69	0.76	< 0.000795		0.000795	< 0.00135	*	0.00135	< 0.000791		0.000791	< 0.000802	*	0.000802	0.00120	J	0.000761	< 0.000952		0.000952
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.000719		0.000719	< 0.00122		0.00122	< 0.000716		0.000716	< 0.000726		0.000726	< 0.000689		0.000689	< 0.000862		0.000862
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.000408		0.000408	< 0.000694	*	0.000694	< 0.000406		0.000406	< 0.000412	*	0.000412	< 0.000391		0.000391	< 0.000489		0.000489
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.000988		0.000988	< 0.00168		0.00168	< 0.000984		0.000984	< 0.000997		0.000997	< 0.000946		0.000946	< 0.00118		0.00118
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	< 0.00150		0.00150	< 0.00256		0.00256	< 0.00150		0.00150	< 0.00152		0.00152	< 0.00144		0.00144	< 0.00180		0.00180
Trichloroethene	6	0.94	0.0018	0.00018	< 0.00103		0.00103	< 0.00175		0.00175	< 0.00103		0.00103	< 0.00104		0.00104	< 0.000987		0.000987	< 0.00124		0.00124
Trichlorofluoromethane	3100	730	NE	0.73	< 0.00107		0.00107	< 0.00183		0.00183	< 0.00107		0.00107	< 0.00108		0.00108	< 0.00103		0.00103	< 0.00129		0.00129
Vinyl chloride	1.7	0.059	0																			



**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37637-4 Tract 6 SB-2 (0-2) 10/10/2013			490-37637-5 Tract 6 SB-2 (10-14) 10/10/2013			NVL1567-01 Tract 22 SB-1 (0-2) 12/08/2011			NVL1567-02 Tract 22 SB-1 (4-8) 12/08/2011			NVL1390-01-RE1 Tract 24 SB-1 (0-2) 12/07/2011			NVL1390-02-RE1 Tract 24 SB-1 (2-6) 12/07/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	0.271	J	0.0695	0.0675		0.0534	0.0582	J	0.0295	0.122		0.0285	< 1.18		1.18	< 1.20		1.20
Benzene	5.1	1.2	0.0026	0.00023	0.00217	J	0.00116	< 0.000895		0.000895	< 0.00130		0.00130	< 0.00126		0.00126	<b>0.117</b>		0.0521	< 0.0529		0.0529
Bromochloromethane	630	150	NE	0.021	< 0.000956		0.000956	< 0.000734		0.000734	< 0.00141		0.00141	< 0.00137		0.00137	< 0.0568		0.0568	< 0.0577		0.0577
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.000956		0.000956	< 0.000734		0.000734	< 0.00118		0.00118	< 0.00114		0.00114	< 0.0473		0.0473	< 0.0480		0.0480
Bromoform	290	67	0.021	0.0024	< 0.000956		0.000956	< 0.000734		0.000734	< 0.00118		0.00118	< 0.00114		0.00114	< 0.0473		0.0473	< 0.0480		0.0480
Bromomethane	30	6.8	NE	0.0019	< 0.00209		0.00209	< 0.00160		0.00160	< 0.00141		0.00141	< 0.00137		0.00137	< 0.0568		0.0568	< 0.0577		0.0577
2-Butanone	190000	27000	NE	1.2	0.0447	J	0.00886	0.00742	J	0.00681	< 0.0295		0.0295	< 0.0285		0.0285	< 1.18		1.18	< 1.20		1.20
Carbon disulfide	3500	770	NE	0.24	0.00660	J	0.00626	< 0.00481		0.00481	< 0.00424		0.00424	< 0.00411		0.00411	< 0.170		0.170	< 0.173		0.173
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00118		0.00118	< 0.00114		0.00114	< 0.0473		0.0473	< 0.0480		0.0480
Chlorobenzene	1300	280	0.068	0.053	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00130		0.00130	< 0.00126		0.00126	< 0.0521		0.0521	< 0.0529		0.0529
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.000591		0.000591	< 0.000454		0.000454	< 0.00118		0.00118	< 0.00114		0.00114	< 0.0473		0.0473	< 0.0480		0.0480
Chloroethane	57000	14000	NE	5.9	< 0.00330		0.00330	< 0.00254		0.00254	< 0.00295		0.00295	< 0.00285		0.00285	< 0.118		0.118	< 0.120		0.120
Chloroform	1.4	0.32	0.022	0.000061	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00153	L	0.00153	< 0.00148	L	0.00148	< 0.0615		0.0615	< 0.0625		0.0625
Chloromethane	460	110	NE	0.049	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00130		0.00130	< 0.00126		0.00126	< 0.0521		0.0521	< 0.0529		0.0529
Cyclohexane	27000	6500	NE	13	< 0.00573		0.00573	< 0.00441		0.00441	< 0.00590		0.00590	< 0.00571		0.00571	<b>31.7</b>		4.73	1.58		0.240
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.00000014	< 0.00122		0.00122	< 0.000935		0.000935	< 0.00295		0.00295	< 0.00285		0.00285	< 0.118		0.118	< 0.120		0.120
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.00174		0.00174	< 0.00134		0.00134	< 0.00118		0.00118	< 0.00114		0.00114	< 0.0473		0.0473	< 0.0480		0.0480
Methylcyclohexane	NE	NE	NE	NE	< 0.00573		0.00573	< 0.00441		0.00441	< 0.00590		0.00590	< 0.00571		0.00571	56.2		4.73	2.55		0.240
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.000591		0.000591	< 0.000454		0.000454	< 0.00118		0.00118	< 0.00114		0.00114	< 0.0473		0.0473	< 0.0480		0.0480
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00141		0.00141	< 0.00137		0.00137	< 0.0568		0.0568	< 0.0577		0.0577
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00130		0.00130	< 0.00126		0.00126	< 0.0521		0.0521	< 0.0529		0.0529
Dichlorodifluoromethane	370	87	NE	0.3	< 0.00174		0.00174	< 0.00134		0.00134	< 0.00165		0.00165	< 0.00160		0.00160	< 0.0663		0.0663	< 0.0673		0.0673
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00130		0.00130	< 0.00126		0.00126	< 0.0521		0.0521	< 0.0529		0.0529
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00153		0.00153	< 0.00148		0.00148	< 0.0615		0.0615	< 0.0625		0.0625
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.000990		0.000990	< 0.000761		0.000761	< 0.00141		0.00141	< 0.00137		0.00137	< 0.0568		0.0568	< 0.0577		0.0577
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00153		0.00153	< 0.00148		0.00148	< 0.0615		0.0615	< 0.0625		0.0625
1,1,2-Trifluorotrichloroethane	170000	40000	NE	140	< 0.00137		0.00137	< 0.00105		0.00105	< 0.00130		0.00130	< 0.00126		0.00126	< 0.0521		0.0521	< 0.0529		0.0529
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00130		0.00130	< 0.00126		0.00126	< 0.0521		0.0521	< 0.0529		0.0529
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.00163		0.00163	< 0.00126		0.00126	< 0.00118		0.00118	< 0.00114		0.00114	< 0.0473		0.0473	< 0.0480		0.0480
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00118		0.00118	< 0.00114		0.00114	< 0.0473		0.0473	< 0.0480		0.0480
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00118		0.00118	< 0.00114		0.00114	< 0.0473		0.0473	< 0.0480		0.0480
Ethylbenzene	25	5.8	0.78	0.0017	0.00150	J	0.00116	< 0.000895		0.000895	< 0.00130		0.00130	< 0.00126		0.00126	<b>4.51</b>		0.0521	< 0.0529		0.0529
2-Hexanone	1300	200	NE	0.0088	< 0.0290		0.0290	< 0.0223		0.0223	< 0.0295		0.0295	< 0.0285		0.0285	< 1.18		1.18	< 1.20		1.20
Isopropylbenzene	9900	1900	NE	0.74	< 0.000712		0.000712	< 0.000547		0.000547	< 0.00130		0.00130	< 0.00126		0.00126	<b>8.29</b>		0.0521	0.429		0.0529
Methyl Acetate	1200000	78000	NE	4.1	< 0.00417		0.00417	< 0.00320		0.00320	< 0.00590		0.00590	< 0.00571		0.00571	< 0.237	L	0.237	1.05	B L1	0.240
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.00167		0.00167	< 0.00128		0.00128	<b>0.0201</b>		0.00118	<b>0.0180</b>		0.00114	< 0.0473		0.0473	< 0.0480		0.0480
Methylene Chloride	1000	57	0.0013	0.0029	< 0.00149		0.00149	< 0.00115		0.00115	< 0.00590		0.00590	< 0.00571		0.00571	< 0.237		0.237	< 0.240		0.240
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0295		0.0295	< 0.0227		0.0227	< 0.0295		0.0295	< 0.0285		0.0285	< 1.18		1.18	< 1.20		1.20
Styrene	35000	6000	0.11	1.3	< 0.00191		0.00191	< 0.00147		0.00147	< 0.00130		0.00130	< 0.00126		0.00126	< 0.0521		0.0521	< 0.0529		0.0529
1,1,2,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.00174		0.00174	< 0.00134		0.00134	< 0.00118		0.00118	< 0.00114		0.00114	< 0.0473		0.0473	< 0.0480		0.0480
Tetrachloroethene	100	24	0.0023	0.0051	< 0.00127		0.00127	< 0.000975		0.000975	< 0.00153		0.00153	< 0.00148		0.00148	< 0.0615		0.0615	< 0.0625		0.0625
Toluene	47000	4900	0.69	0.76	0.00239	J	0.00129	< 0.000988		0.000988	< 0.00130		0.00130	< 0.00126		0.00126	< 0.0521		0.0521	< 0.0529		0.0529
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.00116		0.00116	< 0.000895		0.000895	< 0.00141		0.00141	< 0.00137		0.00137	< 0.0568	L	0.0568	< 0.0577	L	0.0577
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.000660		0.000660	< 0.000507		0.000507	< 0.00130		0.00130	< 0.00126		0.00126	< 0.0521	L	0.0521	< 0.0529	L	0.0529
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.00160		0.00160	< 0.00123		0.00123	< 0.00118		0.00118	< 0.00114		0.00114	< 0.0473		0.0473	< 0.0480		0.0480
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	< 0.00243		0.00243															

**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NVL1390-04 Tract 24 SB-2 (0-2) 12/07/2011			NVL1390-05 Tract 24 SB-2 (10-14) 12/07/2011			NWA4535-01-RE1 Tract 26 SB-1 (0-2) 01/26/2012			NWA4535-02 Tract 26 SB-1 (52-55) 01/26/2012			NUK1792-05 Tract 28 SB-1 (0-2) 11/10/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	0.0767	0.0247	< 0.0258	0.0258	0.0296	J	0.0255	0.0359	J	0.0240	0.0328	J	0.0275		
Benzene	5.1	1.2	0.0026	0.00023	0.00227	0.00109	< 0.00113	0.00113	< 0.00112	0.00112	0.00112	0.00584	0.00106	0.00178	J	0.00121			
Bromochloromethane	630	150	NE	0.021	< 0.00119	0.00119	< 0.00124	0.00124	< 0.00122	0.00122	< 0.00115	0.00115	< 0.00132	0.00132					
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.000988	0.000988	< 0.00103	0.00103	< 0.00102	0.00102	< 0.000962	0.000962	< 0.00110	0.00110					
Bromoform	290	67	0.021	0.0024	< 0.000988	0.000988	< 0.00103	0.00103	< 0.0484	RL1	0.0484	< 0.000962	0.000962	< 0.00110	0.00110				
Bromomethane	30	6.8	NE	0.0019	< 0.00119	0.00119	< 0.00124	0.00124	< 0.00122	0.00122	< 0.00115	0.00115	< 0.00132	0.00132					
2-Butanone	190000	27000	NE	1.2	< 0.0247	0.0247	< 0.0258	0.0258	< 0.0255	0.0255	< 0.0240	0.0240	< 0.0275	0.0275					
Carbon disulfide	3500	770	NE	0.24	< 0.00356	0.00356	0.00543	0.00371	< 0.00367	0.00367	0.0160	0.00346	< 0.00396	0.00396					
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.000988	0.000988	< 0.00103	0.00103	< 0.00102	0.00102	< 0.000962	0.000962	< 0.00110	0.00110					
Chlorobenzene	1300	280	0.068	0.053	< 0.00109	0.00109	< 0.00113	0.00113	< 0.0533	RL1	0.0533	< 0.00106	0.00106	< 0.00121	0.00121				
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.000988	0.000988	< 0.00103	0.00103	< 0.0484	RL1	0.0484	< 0.000962	0.000962	< 0.00110	0.00110				
Chloroethane	57000	14000	NE	5.9	< 0.00247	0.00247	< 0.00258	0.00258	< 0.00255	0.00255	< 0.00240	0.00240	< 0.00275	0.00275					
Chloroform	1.4	0.32	0.022	0.000061	< 0.00128	0.00128	< 0.00134	0.00134	< 0.00133	0.00133	< 0.00125	0.00125	< 0.00143	0.00143					
Chloromethane	460	110	NE	0.049	< 0.00109	0.00109	< 0.00113	0.00113	< 0.00112	0.00112	< 0.00106	0.00106	< 0.00121	0.00121					
Cyclohexane	27000	6500	NE	13	0.0732	0.00494	0.550	0.248	< 0.00510	0.00510	< 0.00481	0.00481	< 0.00551	0.00551					
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.00000014	< 0.00247	0.00247	< 0.00258	0.00258	< 0.121	RL1	0.121	< 0.00240	0.00240	< 0.00275	0.00275				
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.000988	0.000988	< 0.00103	0.00103	< 0.0484	RL1	0.0484	< 0.000962	0.000962	< 0.00110	0.00110				
Methylcyclohexane	NE	NE	NE	NE	0.150	0.00494	0.928	0.248	< 0.00510	0.00510	0.00491	J	0.00481	< 0.00551	0.00551				
1,2-Dichloroethane	9300	1800	0.58	0.3	< 0.000988	0.000988	< 0.00103	0.00103	< 0.0484	RL1	0.0484	< 0.000962	0.000962	< 0.00110	0.00110				
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.00119	0.00119	< 0.00124	0.00124	< 0.0581	RL1	0.0581	< 0.00115	0.00115	< 0.00132	0.00132				
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.00109	0.00109	< 0.00113	0.00113	< 0.0533	RL1	0.0533	< 0.00106	0.00106	< 0.00121	0.00121				
Dichlorodifluoromethane	370	87	NE	0.3	< 0.00138	0.00138	< 0.00144	0.00144	< 0.00143	0.00143	< 0.00135	0.00135	< 0.00154	0.00154					
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.00109	0.00109	< 0.00113	0.00113	0.00129	J	0.00112	< 0.00106	0.00106	< 0.00121	0.00121				
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.00128	0.00128	< 0.00134	0.00134	< 0.00133	0.00133	< 0.00125	0.00125	< 0.00143	0.00143					
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.00119	0.00119	< 0.00124	0.00124	< 0.00122	0.00122	< 0.00115	0.00115	< 0.00132	0.00132					
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.00128	0.00128	< 0.00134	0.00134	< 0.00133	0.00133	< 0.00125	0.00125	< 0.00143	0.00143					
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	< 0.00109	0.00109	< 0.00113	0.00113	< 0.00112	0.00112	< 0.00106	0.00106	< 0.00121	0.00121					
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.00109	0.00109	< 0.00113	0.00113	< 0.00112	0.00112	< 0.00106	0.00106	< 0.00121	0.00121					
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.000988	0.000988	< 0.00103	0.00103	< 0.00102	0.00102	< 0.000962	0.000962	< 0.00110	0.00110					
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.000988	0.000988	< 0.00103	0.00103	< 0.0484	L1	0.0484	< 0.000962	0.000962	< 0.00110	0.00110				
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.000988	0.000988	< 0.00103	0.00103	< 0.0484	RL1	0.0484	< 0.000962	0.000962	< 0.00110	0.00110				
Ethylbenzene	25	5.8	0.78	0.0017	0.00652	0.00109	0.0138	0.00113	< 0.0533	RL1	0.0533	0.00117	J	0.00106	< 0.00121	0.00121			
2-Hexanone	1300	200	NE	0.0088	< 0.0247	0.0247	< 0.0258	0.0258	< 1.21	RL1	1.21	< 0.0240	0.0240	< 0.0275	0.0275				
Isopropylbenzene	9900	1900	NE	0.74	0.0190	0.00109	0.134	0.00113	< 0.0533	RL1	0.0533	< 0.00106	0.00106	< 0.00121	0.00121				
Methyl Acetate	1200000	78000	NE	4.1	< 0.00494	L	0.00494	< 0.00515	L	0.00515	< 0.00510	0.00510	< 0.00481	0.00481	< 0.00551	0.00551			
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.000988	0.000988	< 0.00103	0.00103	< 0.00102	0.00102	< 0.000962	0.000962	< 0.00110	0.00110					
Methylene Chloride	1000	57	0.0013	0.0029	< 0.00494	0.00494	< 0.00515	0.00515	< 0.00510	0.00510	< 0.00481	0.00481	< 0.00551	0.00551					
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0247	0.0247	< 0.0258	0.0258	< 1.21	RL1	1.21	< 0.0240	0.0240	< 0.0275	0.0275				
Styrene	35000	6000	0.11	1.3	< 0.00109	0.00109	< 0.00113	0.00113	< 0.0533	RL1	0.0533	< 0.00106	0.00106	< 0.00121	0.00121				
1,1,2,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.000988	0.000988	< 0.00103	0.00103	< 0.0484	RL1	0.0484	< 0.000962	0.000962	< 0.00110	0.00110				
Tetrachloroethene	100	24	0.0023	0.0051	< 0.00128	0.00128	< 0.00134	0.00134	< 0.0630	RL1	0.0630	< 0.00125	0.00125	< 0.00143	0.00143				
Toluene	47000	4900	0.69	0.76	0.00174	J	0.00109	< 0.00113	0.00113	< 0.0533	RL1	0.0533	0.00341	0.00106	0.00172	J	0.00121		
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.00119	L	0.00119	< 0.00124	L	0.00124	< 0.0581	RL1	0.0581	< 0.00115	0.00115	< 0.00132	0.00132		
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.00109	L	0.00109	< 0.00113	L	0.00113	< 0.0533	RL1	0.0533	< 0.00106	0.00106	< 0.00121	0.00121		
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.000988	0.000988	< 0.00103	0.00103	< 0.00102	0.00102	< 0.000962	0.000962	< 0.00110	0.00110					
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	< 0.00247	0.00247	< 0.00258	0.00258	< 0.121	RL1	0.121	< 0.00240	0.00240	< 0.00275	0.00275				
Trichloroethene	6	0.94	0.0018	0.00018	< 0.000988	0.000988	< 0.00103	0.00103	< 0.00102	0.00102	< 0.000962	0.000962	< 0.00110	0.00110					
Trichlorofluoromethane	3100	730	NE	0.73	< 0.000988	0.000988	< 0.00103	0.00103	< 0.00102	0.00102	< 0.000962	0.000962	< 0.00110	0.00110					
Vinyl chloride	1.7	0.059	0.00069	0.0000065	< 0.000988	0.000988	< 0.00103	0.00103	< 0.00102	0.00102	< 0.000962	0.000962	< 0.00110	0.00110					
Xylenes, total	2500	580	9.8	0.19	0.00434	J	0.00247	< 0.00258	0.00258	< 0.121	RL1	0.121	< 0.00240	0.00240	< 0.00275	0.00275			

**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37157-1 Tract 29 SB-1 (0-2) 10/07/2013			490-37157-2 Tract 29 SB-1 (4-8) 10/07/2013			490-37270-1 Tract 29 SB- 2 (0-2) 10/08/2013			490-37270-2 Tract 29 SB-2 (4-8) 10/08/2013			490-37270-6 Tract 33 SB-1 (0-2) 10/08/2013			490-37270-7 Tract 33 SB-1 (4-8) 10/08/2013		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	< 0.0384	0.0384	< 0.0356	0.0356	0.150	0.0478	0.0414	J	0.0399	< 0.0410	0.0410	< 0.0426	0.0426	< 0.000714	0.000714			
Benzene	5.1	1.2	0.0026	0.00023	< 0.000643	0.000643	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000687	0.000687	< 0.000714	0.000714	0.000714			
Bromochloromethane	630	150	NE	0.021	< 0.000527	0.000527	< 0.000489	0.000489	< 0.000658	0.000658	< 0.000548	0.000548	< 0.000564	0.000564	< 0.000564	0.000564	< 0.000586	0.000586	0.000586			
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.000527	0.000527	< 0.000489	0.000489	< 0.000658	0.000658	< 0.000548	0.000548	< 0.000564	0.000564	< 0.000564	0.000564	< 0.000586	0.000586	0.000586			
Bromoform	290	67	0.021	0.0024	< 0.000527	0.000527	< 0.000489	0.000489	< 0.000658	0.000658	< 0.000548	0.000548	< 0.000564	0.000564	< 0.000564	0.000564	< 0.000586	0.000586	0.000586			
Bromomethane	30	6.8	NE	0.0019	< 0.00115	0.00115	< 0.00107	0.00107	< 0.00143	0.00143	< 0.00120	0.00120	< 0.00123	0.00123	< 0.00123	0.00123	< 0.00128	0.00128	0.00128			
2-Butanone	190000	27000	NE	1.2	< 0.00489	0.00489	< 0.00454	0.00454	0.0229	J	0.00610	0.00581	J	0.00509	< 0.00523	0.00523	< 0.00544	0.00544	0.00544			
Carbon disulfide	3500	770	NE	0.24	0.00718	0.00345	< 0.00320	0.00320	0.0114	0.00430	0.0195	0.00359	< 0.00369	0.00369	< 0.00384	0.00384	< 0.00384	0.00384	0.00384			
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.000643	0.000643	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000687	0.000687	< 0.000714	0.000714	0.000714			
Chlorobenzene	1300	280	0.068	0.053	< 0.000643	0.000643	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000687	0.000687	< 0.000714	0.000714	0.000714			
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.000326	0.000326	< 0.000302	0.000302	< 0.000407	0.000407	< 0.000339	0.000339	< 0.000348	0.000348	< 0.000348	0.000348	< 0.000363	0.000363	0.000363			
Chloroethane	57000	14000	NE	5.9	< 0.00182	0.00182	< 0.00169	0.00169	< 0.00227	0.00227	< 0.00189	0.00189	< 0.00195	0.00195	< 0.00203	0.00203	< 0.00203	0.00203	0.00203			
Chloroform	1.4	0.32	0.022	0.000061	< 0.000643	0.000643	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000687	0.000687	< 0.000714	0.000714	0.000714			
Chloromethane	460	110	NE	0.049	< 0.000643	0.000643	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000687	0.000687	< 0.000714	0.000714	0.000714			
Cyclohexane	27000	6500	NE	13	< 0.00316	0.00316	< 0.00294	0.00294	< 0.00395	0.00395	< 0.00329	0.00329	< 0.00338	0.00338	< 0.00352	0.00352	< 0.00352	0.00352	0.00352			
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.00000014	< 0.0336	0.0336	< 0.000623	0.000623	< 0.000837	0.000837	< 0.000698	0.000698	< 0.000717	0.000717	< 0.000746	0.000746	< 0.000746	0.000746	0.000746			
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.000959	0.000959	< 0.000889	0.000889	< 0.00120	0.00120	< 0.000997	0.000997	< 0.00102	0.00102	< 0.00107	0.00107	< 0.00107	0.00107	0.00107			
Methylcyclohexane	NE	NE	NE	NE	< 0.00316	0.00316	< 0.00294	0.00294	< 0.00395	0.00395	< 0.00329	0.00329	< 0.00338	0.00338	< 0.00352	0.00352	< 0.00352	0.00352	0.00352			
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.0163	0.0163	< 0.000302	0.000302	< 0.000407	0.000407	< 0.000339	0.000339	< 0.000348	0.000348	< 0.000363	0.000363	< 0.000363	0.000363	0.000363			
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.0327	0.0327	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000714	0.000714	< 0.000714	0.000714	0.000714			
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.0452	0.0452	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000714	0.000714	< 0.000714	0.000714	0.000714			
Dichlorodifluoromethane	370	87	NE	0.3	< 0.000959	0.000959	< 0.000889	0.000889	< 0.00120	0.00120	< 0.000997	0.000997	< 0.00102	0.00102	< 0.00107	0.00107	< 0.00107	0.00107	0.00107			
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.000643	0.000643	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000714	0.000714	< 0.000714	0.000714	0.000714			
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.000643	0.000643	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000714	0.000714	< 0.000714	0.000714	0.000714			
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.000547	0.000547	< 0.000507	0.000507	< 0.000682	0.000682	< 0.000568	0.000568	< 0.000584	0.000584	< 0.000608	0.000608	< 0.000608	0.000608	0.000608			
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.000643	0.000643	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000714	0.000714	< 0.000714	0.000714	0.000714			
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	< 0.000758	0.000758	< 0.000703	0.000703	< 0.000945	0.000945	< 0.000788	0.000788	< 0.000810	0.000810	< 0.000842	0.000842	< 0.000842	0.000842	0.000842			
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.000643	0.000643	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000714	0.000714	< 0.000714	0.000714	0.000714			
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.000901	0.000901	< 0.000836	0.000836	< 0.00112	0.00112	< 0.000937	0.000937	< 0.000963	0.000963	< 0.00100	0.00100	< 0.00100	0.00100	0.00100			
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.000643	0.000643	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000714	0.000714	< 0.000714	0.000714	0.000714			
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.000643	0.000643	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000714	0.000714	< 0.000714	0.000714	0.000714			
Ethylbenzene	25	5.8	0.78	0.0017	< 0.000643	0.000643	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000714	0.000714	< 0.000714	0.000714	0.000714			
2-Hexanone	1300	200	NE	0.0088	< 0.0160	0.0160	< 0.0149	0.0149	< 0.0200	0.0200	< 0.0167	0.0167	< 0.0171	0.0171	< 0.0178	0.0178	< 0.0178	0.0178	0.0178			
Isopropylbenzene	9900	1900	NE	0.74	< 0.000393	0.000393	< 0.000365	0.000365	< 0.000490	0.000490	< 0.000409	0.000409	< 0.000420	0.000420	< 0.000437	0.000437	< 0.000437	0.000437	0.000437			
Methyl Acetate	1200000	78000	NE	4.1	< 0.00230	0.00230	< 0.00213	0.00213	< 0.00287	0.00287	< 0.00239	*	0.00239	< 0.00246	0.00246	< 0.00256	*	0.00256	0.00256			
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.000921	0.000921	< 0.000854	0.000854	< 0.00115	0.00115	< 0.000957	0.000957	< 0.000984	0.000984	< 0.00102	0.00102	< 0.00102	0.00102	0.00102			
Methylene Chloride	1000	57	0.0013	0.0029	< 0.000825	0.000825	< 0.000765	0.000765	0.00135	J B	0.00103	< 0.000858	0.000858	< 0.000881	0.000881	0.00116	J	0.000917	0.000917			
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0163	0.0163	< 0.0151	0.0151	< 0.0203	0.0203	< 0.0170	0.0170	< 0.0174	0.0174	< 0.0181	0.0181	< 0.0181	0.0181	0.0181			
Styrene	35000	6000	0.11	1.3	< 0.00105	0.00105	< 0.000978	0.000978	< 0.00132	0.00132	< 0.00110	0.00110	< 0.00113	0.00113	< 0.00117	0.00117	< 0.00117	0.00117	0.00117			
1,1,1,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.0481	0.0481	< 0.000889	0.000889	< 0.00120	0.00120	< 0.000997	0.000997	< 0.00102	0.00102	< 0.00107	0.00107	< 0.00107	0.00107	0.00107			
Tetrachloroethene	100	24	0.0023	0.0051	< 0.000700	0.000700	< 0.000649	0.000649	< 0.000873	0.000873	< 0.000728	0.000728	< 0.000748	0.000748	< 0.000778	0.000778	< 0.000778	0.000778	0.000778			
Toluene	47000	4900	0.69	0.76	< 0.000710	0.000710	< 0.000658	0.000658	< 0.000885	0.000885	< 0.000738	0.000738	< 0.000758	0.000758	< 0.000789	0.000789	< 0.000789	0.000789	0.000789			
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.0322	0.0322	< 0.000596	0.000596	< 0.000801	0.000801	< 0.000668	0.000668	< 0.000687	0.000687	< 0.000714	0.000714	< 0.000714	0.000714	0.000714			
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.0183	0.0183	< 0.000338	0.000338	< 0.000454	0.000454	< 0.000379	0.000379	< 0.000389	0.000389	< 0.000405	0.000405	< 0.000405	0.000405	0.000405			
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.000882	0.000882	< 0.000818	0.000818	< 0.00110	0.00110	< 0.000917	0.000917	< 0.000943	0.000943	< 0.000981	0.000981	< 0.000981	0.000981	0.000981			

**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37411-1 Tract 33 SB-2 (0-2) 10/09/2013			490-37411-2 Tract 33 SB-2 (10-14) 10/09/2013			490-37411-6 Tract 33 SB-3 (0-2) 10/09/2013			490-37411-7 Tract 33 SB-3 (14-18) 10/09/2013			490-37639-1 TRACT 33 SB-4 (0-2) 10/11/2013			490-37639-2 TRACT 33 SB-4 (22-26) 10/11/2013		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	0.0524		0.0394	< 0.0387		0.0387	< 0.0540		0.0540	0.151		0.105	0.0520		0.0388	0.142		0.0558
Benzene	5.1	1.2	0.0026	0.00023	< 0.000660		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.00176		0.00176	0.00112	J	0.000650	0.00196	J	0.000935
Bromochloromethane	630	150	NE	0.021	< 0.000542		0.000542	< 0.000533		0.000533	< 0.000743		0.000743	< 0.00144		0.00144	< 0.000534		0.000534	< 0.000768		0.000768
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.000542		0.000542	< 0.000533		0.000533	< 0.000743		0.000743	< 0.00144		0.00144	< 0.000534		0.000534	< 0.000768		0.000768
Bromoform	290	67	0.021	0.0024	< 0.000542		0.000542	< 0.000533		0.000533	< 0.000743		0.000743	< 0.00144		0.00144	< 0.000534		0.000534	< 0.000768		0.000768
Bromomethane	30	6.8	NE	0.0019	< 0.00118		0.00118	< 0.00116		0.00116	< 0.00162		0.00162	< 0.00315		0.00315	< 0.00116		0.00116	< 0.00167		0.00167
2-Butanone	190000	27000	NE	1.2	0.00594	J	0.00503	< 0.00494		0.00494	< 0.00689		0.00689	0.0161	J	0.0134	< 0.00495		0.00495	0.0154	J	0.00712
Carbon disulfide	3500	770	NE	0.24	< 0.00355		0.00355	< 0.00349		0.00349	0.0597		0.00486	0.0103	J	0.00944	< 0.00349		0.00349	< 0.00502		0.00502
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.000660		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.00176		0.00176	< 0.000650		0.000650	< 0.000935		0.000935
Chlorobenzene	1300	280	0.068	0.053	0.00429		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.00176		0.00176	< 0.000650		0.000650	< 0.000935		0.000935
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.000335		0.000335	< 0.000329		0.000329	< 0.000459		0.000459	< 0.000891		0.000891	< 0.000330		0.000330	< 0.000475		0.000475
Chloroethane	57000	14000	NE	5.9	< 0.00187		0.00187	< 0.00184		0.00184	< 0.00257		0.00257	< 0.00498		0.00498	< 0.00184		0.00184	< 0.00265		0.00265
Chloroform	1.4	0.32	0.022	0.000061	< 0.000660		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.00176		0.00176	< 0.000650		0.000650	< 0.000935		0.000935
Chloromethane	460	110	NE	0.049	< 0.000660		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	0.00533		0.00176	< 0.000650		0.000650	< 0.000935		0.000935
Cyclohexane	27000	6500	NE	13	< 0.00325		0.00325	< 0.00320		0.00320	< 0.00446		0.00446	< 0.00865		0.00865	< 0.00320		0.00320	< 0.00461		0.00461
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.00000014	< 0.000690		0.000690	< 0.000678		0.000678	< 0.000945		0.000945	< 0.184		0.184	< 0.000679		0.000679	< 0.000977		0.000977
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.000985		0.000985	< 0.000968		0.000968	< 0.00135		0.00135	< 0.00262		0.00262	< 0.000970		0.000970	< 0.00140		0.00140
Methylcyclohexane	NE	NE	NE	NE	< 0.00325		0.00325	< 0.00320		0.00320	< 0.00446		0.00446	< 0.00865		0.00865	< 0.00320		0.00320	< 0.00461		0.00461
1,2-Dichlorobenzene	9300	1800	0.58	0.3	0.00171	J	0.000335	< 0.000329		0.000329	< 0.000459		0.000459	< 0.0895		0.0895	< 0.000330		0.000330	< 0.000475		0.000475
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.000660		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.179		0.179	< 0.000650		0.000650	< 0.000935		0.000935
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	0.00259		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.248		0.248	< 0.000650		0.000650	< 0.000935		0.000935
Dichlorodifluoromethane	370	87	NE	0.3	< 0.000985		0.000985	< 0.000968		0.000968	< 0.00135		0.00135	< 0.00262		0.00262	< 0.000970		0.000970	< 0.00140		0.00140
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.000660		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.00176		0.00176	< 0.000650		0.000650	< 0.000935		0.000935
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.000660		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.00176		0.00176	< 0.000650		0.000650	< 0.000935		0.000935
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.000562		0.000562	< 0.000552		0.000552	< 0.000770		0.000770	< 0.00149		0.00149	< 0.000553		0.000553	< 0.000796		0.000796
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.000660		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.00176		0.00176	< 0.000650		0.000650	< 0.000935		0.000935
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	< 0.000778		0.000778	< 0.000765		0.000765	< 0.00107		0.00107	< 0.00207		0.00207	< 0.000766		0.000766	< 0.00110		0.00110
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.000660		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.00176		0.00176	< 0.000650		0.000650	< 0.000935		0.000935
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.000926		0.000926	< 0.000910		0.000910	< 0.00127		0.00127	< 0.00246		0.00246	< 0.000912		0.000912	< 0.00131		0.00131
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.000660		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.00176		0.00176	< 0.000650		0.000650	< 0.000935		0.000935
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.000660		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.00176		0.00176	< 0.000650		0.000650	< 0.000935		0.000935
Ethylbenzene	25	5.8	0.78	0.0017	< 0.000660		0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.00176		0.00176	< 0.000650		0.000650	0.00181	J	0.000935
2-Hexanone	1300	200	NE	0.0088	< 0.0165		0.0165	< 0.0162		0.0162	< 0.0226		0.0226	< 0.0438		0.0438	< 0.0162		0.0162	< 0.0233		0.0233
Isopropylbenzene	9900	1900	NE	0.74	< 0.000404		0.000404	< 0.000397		0.000397	< 0.000554		0.000554	< 0.00108		0.00108	< 0.000398		0.000398	< 0.000572		0.000572
Methyl Acetate	1200000	78000	NE	4.1	< 0.00236		0.00236	< 0.00232		0.00232	< 0.00324		0.00324	< 0.00629		0.00629	< 0.00233	*	0.00233	< 0.00335	*	0.00335
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.000946		0.000946	< 0.000930		0.000930	< 0.00130		0.00130	< 0.00252		0.00252	< 0.000931		0.000931	< 0.00134		0.00134
Methylene Chloride	1000	57	0.0013	0.0029	< 0.000847		0.000847	< 0.000833		0.000833	< 0.00116		0.00116	< 0.00225		0.00225	< 0.000834		0.000834	< 0.00120		0.00120
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0168		0.0168	< 0.0165		0.0165	< 0.0230		0.0230	< 0.0446		0.0446	< 0.0165		0.0165	< 0.0237		0.0237
Styrene	35000	6000	0.11	1.3	< 0.00108		0.00108	< 0.00107		0.00107	< 0.00149		0.00149	< 0.00288		0.00288	< 0.00107		0.00107	< 0.00154		0.00154
1,1,2,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.000985		0.000985	< 0.000968		0.000968	< 0.00135		0.00135	< 0.263		0.263	< 0.000970		0.000970	< 0.00140		0.00140
Tetrachloroethene	100	24	0.0023	0.0051	< 0.000719		0.000719	< 0.000707		0.000707	< 0.000986		0.000986	< 0.00191		0.00191	< 0.000708		0.000708	< 0.00102		0.00102
Toluene	47000	4900	0.69	0.76	< 0.000729		0.000729	< 0.000717		0.000717	< 0.000999		0.000999	< 0.00194		0.00194	< 0.000718		0.000718	0.00192	J	0.00103
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	0.00116	J	0.000660	< 0.000649		0.000649	< 0.000905		0.000905	< 0.176		0.176	< 0.000650		0.000650	< 0.000935		0.000935
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.000374		0.000374	< 0.000368		0.000368	< 0.000513		0.000513	< 0.100		0.100	< 0.000369		0.000369	< 0.000530		0.000530
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.000907		0.000907	< 0.000891		0.000891	< 0.00124		0.00124	< 0.00241		0.00241	< 0.000893		0.000893	< 0.00128		0.00128
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	< 0.00138		0.00138	< 0.00136		0.00136	< 0.00189		0.00189	< 0.00367		0.00367	< 0.00136		0.00136	< 0.00195		0.00195
Trichloroethene	6	0.94	0.0018	0.00018	< 0.000946		0.000946	< 0.000930		0.000930	< 0.00130		0.00130	< 0.00252		0.00252	< 0.000931		0.000931	< 0.00134		0.00134
Trichlorofluoromethane	3100	730	NE	0.73	< 0.000985		0.000985	< 0.000968		0.000968	< 0.00135		0.00135	< 0.00262		0.00262	< 0.000970					

**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NUK1675-01 Tract 35 SB-1 (0-2) 11/09/2011			NUK1675-02 Tract 35 SB-1 (12-16) 11/08/2011			NUK1675-04 Tract 35 SB-2 (0-2) 11/09/2011			NUK1675-05 Tract 35 SB-2 (24-28) 11/09/2011			NUK1675-07 Tract 35 SB-3 (0-2) 11/09/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	0.0534	J	0.0468	0.0665	J	0.0601	0.395	0.0328	< 0.0553	0.0553	< 0.0764	0.0240			
Benzene	5.1	1.2	0.0026	0.00023	0.00312	J	0.00206	< 0.00264		0.00264	0.00214	J	0.00144	< 0.00243	0.00243	0.00355	0.00105		
Bromochloromethane	630	150	NE	0.021	< 0.00225		0.00225	< 0.00289		0.00289	< 0.00157		0.00157	< 0.00265	0.00265	< 0.00115	0.00115		
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
Bromoform	290	67	0.021	0.0024	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
Bromomethane	30	6.8	NE	0.0019	< 0.00225		0.00225	< 0.00289		0.00289	< 0.00157		0.00157	< 0.00265	0.00265	< 0.00115	0.00115		
2-Butanone	190000	27000	NE	1.2	< 0.0468		0.0468	< 0.0601		0.0601	0.0741	0.0328	< 0.0553	0.0553	< 0.0240	0.0240			
Carbon disulfide	3500	770	NE	0.24	0.0252		0.00674	< 0.00866		0.00866	0.0173	0.00472	< 0.00796	0.00796	0.00411	J	0.00345		
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
Chlorobenzene	1300	280	0.068	0.053	< 0.00206		0.00206	< 0.00264		0.00264	0.00147	J	0.00144	< 0.00243	0.00243	< 0.00105	0.00105		
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
Chloroethane	57000	14000	NE	5.9	< 0.00468		0.00468	< 0.00601		0.00601	< 0.00328		0.00328	< 0.00553	0.00553	< 0.00240	0.00240		
Chloroform	1.4	0.32	0.022	0.000061	< 0.00243		0.00243	< 0.00313		0.00313	< 0.00170		0.00170	< 0.00288	0.00288	< 0.00125	0.00125		
Chloromethane	460	110	NE	0.049	< 0.00206		0.00206	< 0.00264		0.00264	< 0.00144		0.00144	< 0.00243	0.00243	< 0.00105	0.00105		
Cyclohexane	27000	6500	NE	13	< 0.00936		0.00936	< 0.0120		0.0120	< 0.00655		0.00655	< 0.0111	0.0111	0.00492	J	0.00479	
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.0000014	< 0.00468		0.00468	< 0.00601		0.00601	< 0.00328		0.00328	< 0.00553	0.00553	< 0.00240	0.00240		
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
Methylcyclohexane	NE	NE	NE	NE	< 0.00936		0.00936	< 0.0120		0.0120	0.0109	J	0.00655	< 0.0111	0.0111	0.00650	J	0.00479	
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.00225		0.00225	< 0.00289		0.00289	< 0.00157		0.00157	< 0.00265	0.00265	< 0.00115	0.00115		
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.00206		0.00206	< 0.00264		0.00264	0.0229	0.00144	< 0.00243	0.00243	< 0.00105	0.00105			
Dichlorodifluoromethane	370	87	NE	0.3	< 0.00262		0.00262	< 0.00337		0.00337	< 0.00183		0.00183	< 0.00310	0.00310	< 0.00134	0.00134		
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.00206		0.00206	< 0.00264		0.00264	< 0.00144		0.00144	< 0.00243	0.00243	< 0.00105	0.00105		
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.00243		0.00243	< 0.00313		0.00313	< 0.00170		0.00170	< 0.00288	0.00288	< 0.00125	0.00125		
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.00225		0.00225	< 0.00289		0.00289	< 0.00157		0.00157	< 0.00265	0.00265	< 0.00115	0.00115		
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.00243		0.00243	< 0.00313		0.00313	< 0.00170		0.00170	< 0.00288	0.00288	< 0.00125	0.00125		
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	< 0.00206		0.00206	< 0.00264		0.00264	< 0.00144		0.00144	< 0.00243	0.00243	< 0.00105	0.00105		
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.00206		0.00206	< 0.00264		0.00264	< 0.00144		0.00144	< 0.00243	0.00243	< 0.00105	0.00105		
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
Ethylbenzene	25	5.8	0.78	0.0017	0.00799		0.00206	< 0.00264		0.00264	0.00647	0.00144	< 0.00243	0.00243	0.00352	0.00105			
2-Hexanone	1300	200	NE	0.0088	< 0.0468		0.0468	< 0.0601		0.0601	< 0.0328		0.0328	< 0.0553	0.0553	< 0.0240	0.0240		
Isopropylbenzene	9900	1900	NE	0.74	< 0.00206		0.00206	< 0.00264		0.00264	0.00526	0.00144	< 0.00243	0.00243	0.00163	J	0.00105		
Methyl Acetate	1200000	78000	NE	4.1	< 0.00936		0.00936	< 0.0120		0.0120	< 0.00655		0.00655	< 0.0111	0.0111	< 0.00479	0.00479		
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
Methylene Chloride	1000	57	0.0013	0.0029	< 0.00936		0.00936	< 0.0120		0.0120	< 0.00655		0.00655	< 0.0111	0.0111	< 0.00479	0.00479		
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0468		0.0468	< 0.0601		0.0601	< 0.0328		0.0328	< 0.0553	0.0553	< 0.0240	0.0240		
Styrene	35000	6000	0.11	1.3	< 0.00206		0.00206	< 0.00264		0.00264	< 0.00144		0.00144	< 0.00243	0.00243	< 0.00105	0.00105		
1,1,2,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
Tetrachloroethene	100	24	0.0023	0.0051	< 0.00243		0.00243	< 0.00313		0.00313	< 0.00170		0.00170	< 0.00288	0.00288	< 0.00125	0.00125		
Toluene	47000	4900	0.69	0.76	0.00513		0.00206	< 0.00264		0.00264	0.00946	0.00144	< 0.00243	0.00243	0.00308	0.00105			
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.00225		0.00225	< 0.00289		0.00289	< 0.00157		0.00157	< 0.00265	0.00265	< 0.00115	0.00115		
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.00206		0.00206	< 0.00264		0.00264	< 0.00144		0.00144	< 0.00243	0.00243	< 0.00105	0.00105		
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	< 0.00468		0.00468	< 0.00601		0.00601	< 0.00328		0.00328	< 0.00553	0.00553	< 0.00240	0.00240		
Trichloroethene	6	0.94	0.0018	0.00018	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
Trichlorofluoromethane	3100	730	NE	0.73	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
Vinyl chloride	1.7	0.059	0.00069	0.0000065	< 0.00187		0.00187	< 0.00240		0.00240	< 0.00131		0.00131	< 0.00221	0.00221	< 0.000958	0.000958		
Xylenes, total	2500	580	9.8	0.19	< 0.00468		0.00468	< 0.00601		0.00601	0.0111	0.00328	< 0.00553	0.00553	0.00249	J	0.00240		

**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NUK1675-09 Tract 35 SB-4 (0-2) 11/09/2011			NUK1675-10 Tract 35 SB-4 (10-14) 11/09/2011			NUK1792-02-RE1 Tract 35 SB-5 (0-2) 11/10/2011			NUK1792-03 Tract 35 SB-5 (4-8) 11/10/2011			NWC2604-01 TRACT 35 SB-6 (0-2) 03/20/2012			NWC2604-02 TRACT 35 SB-6 (6-10) 03/20/2012		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	0.0667	0.0282	< 0.0245	0.0245	< 0.0211	0.0211	< 0.0225	0.0225	1.03	M8	0.0901	0.144	J	0.0742				
Benzene	5.1	1.2	0.0026	0.00023	< 0.00124	0.00124	< 0.00108	0.00108	< 0.000927	0.000927	< 0.000989	0.000989	0.0117		0.00396	< 0.00326		0.00326				
Bromochloromethane	630	150	NE	0.021	< 0.00135	0.00135	< 0.00117	0.00117	< 0.00101	0.00101	< 0.00108	0.00108	< 0.00433		0.00433	< 0.00356		0.00356				
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
Bromoform	290	67	0.021	0.0024	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
Bromomethane	30	6.8	NE	0.0019	< 0.00135	0.00135	< 0.00117	0.00117	< 0.00101	0.00101	< 0.00108	0.00108	< 0.00433		0.00433	< 0.00356		0.00356				
2-Butanone	190000	27000	NE	1.2	< 0.0282	0.0282	< 0.0245	0.0245	< 0.0211	0.0211	< 0.0225	0.0225	0.195		0.0901	< 0.0742		0.0742				
Carbon disulfide	3500	770	NE	0.24	< 0.00406	0.00406	< 0.00352	0.00352	< 0.00303	0.00303	< 0.00324	0.00324	0.0393	M8	0.0130	< 0.0107		0.0107				
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
Chlorobenzene	1300	280	0.068	0.053	< 0.00124	0.00124	0.00594	0.00108	< 0.000927	0.000927	0.0632	0.000989	< 0.00396		0.00396	< 0.00326		0.00326				
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
Chloroethane	57000	14000	NE	5.9	< 0.00282	0.00282	< 0.00245	0.00245	< 0.00211	0.00211	< 0.00225	0.00225	< 0.00901		0.00901	< 0.00742		0.00742				
Chloroform	1.4	0.32	0.022	0.000061	< 0.00147	0.00147	< 0.00127	0.00127	< 0.00110	0.00110	< 0.00117	0.00117	< 0.00469		0.00469	< 0.00386		0.00386				
Chloromethane	460	110	NE	0.049	< 0.00124	0.00124	< 0.00108	0.00108	< 0.000927	0.000927	< 0.000989	0.000989	< 0.00396		0.00396	< 0.00326		0.00326				
Cyclohexane	27000	6500	NE	13	< 0.00564	0.00564	< 0.00489	0.00489	< 0.00421	0.00421	< 0.00450	0.00450	< 0.0180		0.0180	< 0.0148		0.0148				
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.00000014	< 0.00282	0.00282	< 0.00245	0.00245	< 0.00211	0.00211	< 0.00225	0.00225	< 0.00901		0.00901	< 0.00742		0.00742				
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
Methylcyclohexane	NE	NE	NE	NE	< 0.00564	0.00564	< 0.00489	0.00489	< 0.00421	0.00421	< 0.00450	0.00450	< 0.0180		0.0180	< 0.0148		0.0148				
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	0.00151	J	0.000900	< 0.00360	0.00360	< 0.00297		0.00297				
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.00135	0.00135	< 0.00117	0.00117	< 0.00101	0.00101	0.00216	0.00108	< 0.00433		0.00433	< 0.00356		0.00356				
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.00124	0.00124	< 0.00108	0.00108	< 0.000927	0.000927	0.0142	0.000989	< 0.00396		0.00396	< 0.00326		0.00326				
Dichlorodifluoromethane	370	87	NE	0.3	< 0.00158	0.00158	< 0.00137	0.00137	< 0.00118	0.00118	< 0.00126	0.00126	< 0.00505		0.00505	< 0.00415		0.00415				
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.00124	0.00124	< 0.00108	0.00108	< 0.000927	0.000927	< 0.000989	0.000989	< 0.00396		0.00396	< 0.00326		0.00326				
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.00147	0.00147	< 0.00127	0.00127	< 0.00110	0.00110	< 0.00117	0.00117	< 0.00469		0.00469	< 0.00386		0.00386				
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.00135	0.00135	< 0.00117	0.00117	< 0.00101	0.00101	< 0.00108	0.00108	< 0.00433		0.00433	< 0.00356		0.00356				
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.00147	0.00147	< 0.00127	0.00127	< 0.00110	0.00110	< 0.00117	0.00117	< 0.00469		0.00469	< 0.00386		0.00386				
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	< 0.00124	0.00124	< 0.00108	0.00108	< 0.000927	0.000927	< 0.000989	0.000989	< 0.00396		0.00396	< 0.00326		0.00326				
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.00124	0.00124	< 0.00108	0.00108	< 0.000927	0.000927	< 0.000989	0.000989	< 0.00396		0.00396	< 0.00326		0.00326				
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
Ethylbenzene	25	5.8	0.78	0.0017	< 0.00124	0.00124	< 0.00108	0.00108	< 0.000927	0.000927	< 0.000989	0.000989	0.0209		0.00396	< 0.00326		0.00326				
2-Hexanone	1300	200	NE	0.0088	< 0.0282	0.0282	< 0.0245	0.0245	< 0.0211	0.0211	< 0.0225	0.0225	< 0.0901		0.0901	< 0.0742		0.0742				
Isopropylbenzene	9900	1900	NE	0.74	< 0.00124	0.00124	< 0.00108	0.00108	< 0.000927	0.000927	< 0.000989	0.000989	< 0.00396		0.00396	< 0.00326		0.00326				
Methyl Acetate	1200000	78000	NE	4.1	< 0.00564	0.00564	< 0.00489	0.00489	< 0.00421	0.00421	< 0.00450	0.00450	< 0.0180		0.0180	< 0.0148		0.0148				
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
Methylene Chloride	1000	57	0.0013	0.0029	< 0.00564	0.00564	< 0.00489	0.00489	< 0.00421	0.00421	< 0.00450	0.00450	< 0.0180		0.0180	< 0.0148		0.0148				
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0282	0.0282	< 0.0245	0.0245	< 0.0211	0.0211	< 0.0225	0.0225	< 0.0901		0.0901	< 0.0742		0.0742				
Styrene	35000	6000	0.11	1.3	< 0.00124	0.00124	< 0.00108	0.00108	< 0.000927	0.000927	< 0.000989	0.000989	< 0.00396		0.00396	< 0.00326		0.00326				
1,1,1,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
Tetrachloroethene	100	24	0.0023	0.0051	< 0.00147	0.00147	< 0.00127	0.00127	< 0.00110	0.00110	< 0.00117	0.00117	< 0.00469		0.00469	< 0.00386		0.00386				
Toluene	47000	4900	0.69	0.76	< 0.00124	0.00124	< 0.00108	0.00108	< 0.000927	0.000927	< 0.000989	0.000989	0.0156		0.00396	< 0.00326		0.00326				
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.00135	0.00135	< 0.00117	0.00117	< 0.00101	0.00101	< 0.00108	0.00108	< 0.00433		0.00433	< 0.00356		0.00356				
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.00124	0.00124	< 0.00108	0.00108	< 0.000927	0.000927	< 0.000989	0.000989	< 0.00396		0.00396	< 0.00326		0.00326				
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	< 0.00282	0.00282	< 0.00245	0.00245	< 0.00211	0.00211	< 0.00225	0.00225	< 0.00901		0.00901	< 0.00742		0.00742				
Trichloroethene	6	0.94	0.0018	0.00018	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
Trichlorofluoromethane	3100	730	NE	0.73	< 0.00113	0.00113	< 0.000979	0.000979	< 0.000842	0.000842	< 0.000900	0.000900	< 0.00360		0.00360	< 0.00297		0.00297				
Vinyl																						

**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWC2754-01 TRACT 35 SB-7 (0-2) 03/21/2012			NWC2754-02 TRACT 35 SB-7 (20-24) 03/21/2012			NWC0375-01 Tract 37 SB-1 (0-2) 02/29/2012			NWC0375-02 Tract 37 SB-1 (22-26) 02/29/2012			NWC0375-04 Tract 37 SB-2 (0-2) 02/29/2012			NWC0375-05 Tract 37 SB-2 (8-12) 02/29/2012		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	0.353		0.0960	0.142		0.0298	0.0296	J	0.0285	0.132		0.0276	< 0.0315		0.0315	0.0747		0.0219
Benzene	5.1	1.2	0.0026	0.00023	0.00514	J	0.00422	0.00878		0.00131	< 0.00125		0.00125	0.0102		0.00121	< 0.00139		0.00139	< 0.000963		0.000963
Bromochloromethane	630	150	NE	0.021	< 0.00461		0.00461	< 0.00143		0.00143	< 0.00137		0.00137	< 0.00132		0.00132	< 0.00151		0.00151	< 0.00105		0.00105
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	< 0.00110		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
Bromoform	290	67	0.021	0.0024	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	< 0.00110		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
Bromomethane	30	6.8	NE	0.0019	< 0.00461		0.00461	< 0.00143		0.00143	< 0.00137		0.00137	< 0.00132		0.00132	< 0.00151		0.00151	< 0.00105		0.00105
2-Butanone	190000	27000	NE	1.2	< 0.0960		0.0960	0.0477	J	0.0298	< 0.0285		0.0285	0.0433	J	0.0276	< 0.0315		0.0315	< 0.0219		0.0219
Carbon disulfide	3500	770	NE	0.24	0.0240		0.0138	0.0208		0.00430	< 0.00410		0.00410	< 0.00397		0.00397	< 0.00454		0.00454	< 0.00315		0.00315
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	< 0.00110		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
Chlorobenzene	1300	280	0.068	0.053	< 0.00422		0.00422	< 0.00131		0.00131	< 0.00125		0.00125	< 0.00121		0.00121	< 0.00139		0.00139	< 0.000963		0.000963
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	< 0.00110		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
Chloroethane	57000	14000	NE	5.9	< 0.00960		0.00960	< 0.00298		0.00298	< 0.00285		0.00285	< 0.00276		0.00276	< 0.00315		0.00315	< 0.00219		0.00219
Chloroform	1.4	0.32	0.022	0.000061	< 0.00499		0.00499	< 0.00155		0.00155	< 0.00148		0.00148	< 0.00143		0.00143	< 0.00164		0.00164	< 0.00114		0.00114
Chloromethane	460	110	NE	0.049	< 0.00422		0.00422	< 0.00131		0.00131	< 0.00125		0.00125	< 0.00121		0.00121	< 0.00139		0.00139	< 0.000963		0.000963
Cyclohexane	27000	6500	NE	13	< 0.0192		0.0192	< 0.00597		0.00597	< 0.00569		0.00569	0.00760	J	0.00551	< 0.00630		0.00630	< 0.00438		0.00438
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.0000014	< 0.00960		0.00960	< 0.00298		0.00298	< 0.00285		0.00285	< 0.00276		0.00276	< 0.00315		0.00315	< 0.00219		0.00219
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	< 0.00110		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
Methylcyclohexane	NE	NE	NE	NE	< 0.0192		0.0192	0.00801	J	0.00597	< 0.00569		0.00569	0.00904	J	0.00551	< 0.00630		0.00630	< 0.00438		0.00438
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	< 0.00110		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.00461		0.00461	< 0.00143		0.00143	< 0.00137		0.00137	< 0.00132		0.00132	< 0.00151		0.00151	< 0.00105		0.00105
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.00422		0.00422	< 0.00131		0.00131	< 0.00125		0.00125	< 0.00121		0.00121	< 0.00139		0.00139	< 0.000963		0.000963
Dichlorodifluoromethane	370	87	NE	0.3	< 0.00537		0.00537	< 0.00167		0.00167	< 0.00159		0.00159	< 0.00154		0.00154	< 0.00177		0.00177	< 0.00123		0.00123
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.00422		0.00422	< 0.00131		0.00131	< 0.00125		0.00125	< 0.00121		0.00121	< 0.00139		0.00139	< 0.000963		0.000963
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.00499		0.00499	< 0.00155		0.00155	< 0.00148		0.00148	< 0.00143		0.00143	< 0.00164		0.00164	< 0.00114		0.00114
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.00461		0.00461	< 0.00143		0.00143	< 0.00137		0.00137	< 0.00132		0.00132	< 0.00151		0.00151	< 0.00105		0.00105
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.00499		0.00499	< 0.00155		0.00155	< 0.00148		0.00148	< 0.00143		0.00143	< 0.00164		0.00164	< 0.00114		0.00114
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	< 0.00422		0.00422	< 0.00131		0.00131	< 0.00125		0.00125	< 0.00121		0.00121	< 0.00139		0.00139	< 0.000963		0.000963
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.00422		0.00422	< 0.00131		0.00131	< 0.00125		0.00125	0.0771		0.00121	< 0.00139		0.00139	< 0.000963		0.000963
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	< 0.00110		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	< 0.00110		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114	L	0.00114	< 0.00110	L	0.00110	< 0.00126	L	0.00126	< 0.000876	L	0.000876
Ethylbenzene	25	5.8	0.78	0.0017	0.00672	J	0.00422	0.00605		0.00131	< 0.00125		0.00125	0.00381		0.00121	< 0.00139		0.00139	< 0.000963		0.000963
2-Hexanone	1300	200	NE	0.0088	< 0.0960		0.0960	< 0.0298		0.0298	< 0.0285		0.0285	< 0.0276		0.0276	< 0.0315		0.0315	< 0.0219		0.0219
Isopropylbenzene	9900	1900	NE	0.74	< 0.00422		0.00422	< 0.00131		0.00131	< 0.00125		0.00125	< 0.00121		0.00121	< 0.00139		0.00139	< 0.000963		0.000963
Methyl Acetate	1200000	78000	NE	4.1	< 0.0192		0.0192	< 0.00597		0.00597	< 0.00569		0.00569	< 0.00551		0.00551	< 0.00630		0.00630	< 0.00438		0.00438
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	< 0.00110		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
Methylene Chloride	1000	57	0.0013	0.0029	< 0.0192		0.0192	< 0.00597		0.00597	< 0.00569		0.00569	< 0.00551		0.00551	< 0.00630		0.00630	< 0.00438		0.00438
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0960		0.0960	< 0.0298		0.0298	< 0.0285	L	0.0285	< 0.0276	L	0.0276	< 0.0315	L	0.0315	< 0.0219	L	0.0219
Styrene	35000	6000	0.11	1.3	< 0.00422		0.00422	< 0.00131		0.00131	< 0.00125		0.00125	< 0.00121		0.00121	< 0.00139		0.00139	< 0.000963		0.000963
1,1,2,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	< 0.00110		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
Tetrachloroethene	100	24	0.0023	0.0051	< 0.00499		0.00499	< 0.00155		0.00155	< 0.00148		0.00148	< 0.00143		0.00143	< 0.00164		0.00164	< 0.00114		0.00114
Toluene	47000	4900	0.69	0.76	0.00626	J	0.00422	0.00636		0.00131	< 0.00125		0.00125	0.00712		0.00121	< 0.00139		0.00139	< 0.000963		0.000963
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.00461		0.00461	< 0.00143		0.00143	< 0.00137		0.00137	< 0.00132		0.00132	< 0.00151		0.00151	< 0.00105		0.00105
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.00422		0.00422	< 0.00131		0.00131	< 0.00125		0.00125	< 0.00121		0.00121	< 0.00139		0.00139	< 0.000963		0.000963
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	< 0.00110		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	< 0.00960		0.00960	< 0.00298		0.00298	< 0.00285		0.00285	< 0.00276		0.00276	< 0.00315		0.00315	< 0.00219		0.00219
Trichloroethene	6	0.94	0.0018	0.00018	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	0.00509		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
Trichlorofluoromethane	3100	730	NE	0.73	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	< 0.00110		0.00110	< 0.00126		0.00126	< 0.000876		0.000876
Vinyl chloride	1.7	0.059	0.00069	0.0000065	< 0.00384		0.00384	< 0.00119		0.00119	< 0.00114		0.00114	0.0898		0.00110	< 0.00126		0.00126	< 0.000876		0.0

**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWC0345-01 Tract 37 SB-3 (0-2) 03/01/2012			NWC0345-02 Tract 37 SB-3 (8-12) 03/01/2012			NWA4535-04-RE1 TRACT 40 SB-1 (0-2) 01/26/2012			NWA4535-05 TRACT 40 SB-1 (4-8) 01/26/2012			NWA4733-01 Tract 44 SB-1 (0-2) 01/27/2012			NWA4733-02 Tract 44 SB-1 (6-10) 01/27/2012		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	< 0.0256		0.0256	< 0.0246		0.0246	< 0.0243		0.0243	< 0.0198		0.0198	< 0.0275		0.0275	< 0.0272		0.0272
Benzene	5.1	1.2	0.0026	0.00023	< 0.00113		0.00113	< 0.00108		0.00108	< 0.00107		0.00107	< 0.000873		0.000873	< 0.00121		0.00121	< 0.00120		0.00120
Bromochloromethane	630	150	NE	0.021	< 0.00123		0.00123	< 0.00118		0.00118	< 0.00117		0.00117	< 0.000952		0.000952	< 0.00132		0.00132	< 0.00130		0.00130
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
Bromoform	290	67	0.021	0.0024	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
Bromomethane	30	6.8	NE	0.0019	< 0.00123		0.00123	< 0.00118		0.00118	< 0.00117		0.00117	< 0.000952		0.000952	< 0.00132		0.00132	< 0.00130		0.00130
2-Butanone	190000	27000	NE	1.2	< 0.0256		0.0256	< 0.0246		0.0246	< 0.0243		0.0243	< 0.0198		0.0198	< 0.0275		0.0275	< 0.0272		0.0272
Carbon disulfide	3500	770	NE	0.24	< 0.00369		0.00369	< 0.00355		0.00355	< 0.00350		0.00350	< 0.00286		0.00286	< 0.00396		0.00396	< 0.00391		0.00391
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
Chlorobenzene	1300	280	0.068	0.053	< 0.00113		0.00113	< 0.00108		0.00108	< 0.00107		0.00107	< 0.000873		0.000873	< 0.00121		0.00121	< 0.00120		0.00120
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
Chloroethane	57000	14000	NE	5.9	< 0.00256		0.00256	< 0.00246		0.00246	< 0.00243		0.00243	< 0.00198		0.00198	< 0.00275		0.00275	< 0.00272		0.00272
Chloroform	1.4	0.32	0.022	0.000061	< 0.00133		0.00133	< 0.00128		0.00128	< 0.00126		0.00126	< 0.00103		0.00103	< 0.00143		0.00143	< 0.00141		0.00141
Chloromethane	460	110	NE	0.049	< 0.00113		0.00113	< 0.00108		0.00108	< 0.00107		0.00107	< 0.000873		0.000873	< 0.00121		0.00121	< 0.00120		0.00120
Cyclohexane	27000	6500	NE	13	< 0.00512		0.00512	< 0.00492		0.00492	< 0.00486		0.00486	< 0.00397		0.00397	< 0.00550		0.00550	< 0.00543		0.00543
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.00000014	< 0.00256		0.00256	< 0.00246		0.00246	< 0.00243		0.00243	< 0.00198		0.00198	< 0.00275		0.00275	< 0.00272		0.00272
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
Methylcyclohexane	NE	NE	NE	NE	< 0.00512		0.00512	< 0.00492		0.00492	< 0.00486		0.00486	< 0.00397		0.00397	< 0.00550		0.00550	< 0.00543		0.00543
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.00123		0.00123	< 0.00118		0.00118	< 0.00117		0.00117	< 0.000952		0.000952	< 0.00132		0.00132	< 0.00130		0.00130
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.00113		0.00113	< 0.00108		0.00108	< 0.00107		0.00107	< 0.000873		0.000873	< 0.00121		0.00121	< 0.00120		0.00120
Dichlorodifluoromethane	370	87	NE	0.3	< 0.00143		0.00143	< 0.00138		0.00138	< 0.00136		0.00136	< 0.00111		0.00111	< 0.00154		0.00154	< 0.00152		0.00152
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.00113		0.00113	< 0.00108		0.00108	0.00125	J	0.00107	< 0.000873		0.000873	< 0.00121		0.00121	< 0.00120		0.00120
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.00133		0.00133	< 0.00128		0.00128	< 0.00126		0.00126	< 0.00103		0.00103	< 0.00143		0.00143	< 0.00141		0.00141
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.00123		0.00123	< 0.00118		0.00118	< 0.00117		0.00117	< 0.000952		0.000952	< 0.00132		0.00132	< 0.00130		0.00130
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.00133		0.00133	< 0.00128		0.00128	< 0.00126		0.00126	< 0.00103		0.00103	< 0.00143		0.00143	< 0.00141		0.00141
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	< 0.00113		0.00113	< 0.00108		0.00108	< 0.00107		0.00107	< 0.000873		0.000873	< 0.00121		0.00121	< 0.00120		0.00120
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.00113		0.00113	< 0.00108		0.00108	< 0.00107		0.00107	< 0.000873		0.000873	< 0.00121		0.00121	< 0.00120		0.00120
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00102	L	0.00102	< 0.000985	L	0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
Ethylbenzene	25	5.8	0.78	0.0017	< 0.00113		0.00113	< 0.00108		0.00108	< 0.00107		0.00107	< 0.000873		0.000873	< 0.00121		0.00121	< 0.00120		0.00120
2-Hexanone	1300	200	NE	0.0088	< 0.0256		0.0256	< 0.0246		0.0246	< 0.0243		0.0243	< 0.0198		0.0198	< 0.0275		0.0275	< 0.0272		0.0272
Isopropylbenzene	9900	1900	NE	0.74	< 0.00113		0.00113	< 0.00108		0.00108	< 0.00107		0.00107	< 0.000873		0.000873	< 0.00121		0.00121	< 0.00120		0.00120
Methyl Acetate	1200000	78000	NE	4.1	< 0.00512		0.00512	< 0.00492		0.00492	< 0.00486		0.00486	< 0.00397		0.00397	< 0.00550		0.00550	< 0.00543		0.00543
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
Methylene Chloride	1000	57	0.0013	0.0029	< 0.00512		0.00512	< 0.00492		0.00492	< 0.00486		0.00486	< 0.00397		0.00397	< 0.00550		0.00550	< 0.00543		0.00543
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0256	L	0.0256	< 0.0246	L	0.0246	< 0.0243		0.0243	< 0.0198		0.0198	< 0.0275		0.0275	< 0.0272		0.0272
Styrene	35000	6000	0.11	1.3	< 0.00113		0.00113	< 0.00108		0.00108	< 0.00107		0.00107	< 0.000873		0.000873	< 0.00121		0.00121	< 0.00120		0.00120
1,1,1,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
Tetrachloroethene	100	24	0.0023	0.0051	< 0.00133		0.00133	< 0.00128		0.00128	< 0.00126		0.00126	< 0.00103		0.00103	< 0.00143		0.00143	< 0.00141		0.00141
Toluene	47000	4900	0.69	0.76	< 0.00113		0.00113	< 0.00108		0.00108	< 0.00107		0.00107	< 0.000873		0.000873	< 0.00121		0.00121	< 0.00120		0.00120
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.00123		0.00123	< 0.00118		0.00118	< 0.00117		0.00117	< 0.000952		0.000952	< 0.00132		0.00132	< 0.00130		0.00130
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.00113		0.00113	< 0.00108		0.00108	< 0.00107		0.00107	< 0.000873		0.000873	< 0.00121		0.00121	< 0.00120		0.00120
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	< 0.00256		0.00256	< 0.00246		0.00246	< 0.00243		0.00243	< 0.00198		0.00198	< 0.00275		0.00275	< 0.00272		0.00272
Trichloroethene	6	0.94	0.0018	0.00018	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
Trichlorofluoromethane	3100	730	NE	0.73	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.00110		0.00110	< 0.00109		0.00109
Vinyl chloride	1.7	0.059	0.00069	0.0000065	< 0.00102		0.00102	< 0.000985		0.000985	< 0.000973		0.000973	< 0.000794		0.000794	< 0.0011					



**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NVL1571-01 Tract 45 SB-1 (0-2) 12/09/2011			NVL1571-02 Tract 45 SB-1 (14-18) 12/09/2011			NVL1567-04 Tract 57 SB-1 (0-2) 12/08/2011			NVL1567-05 Tract 57 SB-1 (6-10) 12/08/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	0.0327	J	0.0294	0.263	0.0572	< 0.0276	0.0276	< 0.0248	0.0248			
Benzene	5.1	1.2	0.0026	0.00023	< 0.00129		0.00129	< 0.00252	0.00252	< 0.00122	0.00122	< 0.00109	0.00109			
Bromochloromethane	630	150	NE	0.021	< 0.00141		0.00141	< 0.00274	0.00274	< 0.00133	0.00133	< 0.00119	0.00119			
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
Bromoform	290	67	0.021	0.0024	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
Bromomethane	30	6.8	NE	0.0019	< 0.00141		0.00141	< 0.00274	0.00274	< 0.00133	0.00133	< 0.00119	0.00119			
2-Butanone	190000	27000	NE	1.2	< 0.0294		0.0294	< 0.0572	0.0572	< 0.0276	0.0276	< 0.0248	0.0248			
Carbon disulfide	3500	770	NE	0.24	< 0.00423		0.00423	0.0451	0.00823	< 0.00398	0.00398	< 0.00357	0.00357			
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
Chlorobenzene	1300	280	0.068	0.053	< 0.00129		0.00129	< 0.00252	0.00252	< 0.00122	0.00122	< 0.00109	0.00109			
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
Chloroethane	57000	14000	NE	5.9	< 0.00294		0.00294	< 0.00572	0.00572	< 0.00276	0.00276	< 0.00248	0.00248			
Chloroform	1.4	0.32	0.022	0.000061	< 0.00153		0.00153	< 0.00297	0.00297	< 0.00144	L	0.00144	< 0.00129	L	0.00129	
Chloromethane	460	110	NE	0.049	< 0.00129		0.00129	< 0.00252	0.00252	< 0.00122	0.00122	< 0.00109	0.00109			
Cyclohexane	27000	6500	NE	13	< 0.00588		0.00588	< 0.0114	0.0114	< 0.00553	0.00553	< 0.00495	0.00495			
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.00000014	< 0.00294		0.00294	< 0.00572	0.00572	< 0.00276	0.00276	< 0.00248	0.00248			
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
Methylcyclohexane	NE	NE	NE	NE	< 0.00588		0.00588	< 0.0114	0.0114	< 0.00553	0.00553	< 0.00495	0.00495			
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.00141		0.00141	< 0.00274	0.00274	< 0.00133	0.00133	< 0.00119	0.00119			
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.00129		0.00129	< 0.00252	0.00252	< 0.00122	0.00122	< 0.00109	0.00109			
Dichlorodifluoromethane	370	87	NE	0.3	< 0.00165		0.00165	< 0.00320	0.00320	< 0.00155	0.00155	< 0.00139	0.00139			
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.00129		0.00129	< 0.00252	0.00252	< 0.00122	0.00122	< 0.00109	0.00109			
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.00153		0.00153	< 0.00297	0.00297	< 0.00144	0.00144	< 0.00129	0.00129			
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.00141		0.00141	< 0.00274	0.00274	< 0.00133	0.00133	< 0.00119	0.00119			
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.00153		0.00153	< 0.00297	0.00297	< 0.00144	0.00144	< 0.00129	0.00129			
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	< 0.00129		0.00129	< 0.00252	0.00252	< 0.00122	0.00122	< 0.00109	0.00109			
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.00129		0.00129	< 0.00252	0.00252	< 0.00122	0.00122	< 0.00109	0.00109			
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
Ethylbenzene	25	5.8	0.78	0.0017	< 0.00129		0.00129	< 0.00252	0.00252	< 0.00122	0.00122	< 0.00109	0.00109			
2-Hexanone	1300	200	NE	0.0088	< 0.0294		0.0294	< 0.0572	0.0572	< 0.0276	0.0276	< 0.0248	0.0248			
Isopropylbenzene	9900	1900	NE	0.74	< 0.00129		0.00129	< 0.00252	0.00252	< 0.00122	0.00122	< 0.00109	0.00109			
Methyl Acetate	1200000	78000	NE	4.1	< 0.00588	L	0.00588	< 0.0114	L	0.0114	< 0.00553	0.00553	< 0.00495	0.00495		
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
Methylene Chloride	1000	57	0.0013	0.0029	< 0.00588		0.00588	< 0.0114	0.0114	< 0.00553	0.00553	< 0.00495	0.00495			
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0294		0.0294	< 0.0572	0.0572	< 0.0276	0.0276	< 0.0248	0.0248			
Styrene	35000	6000	0.11	1.3	< 0.00129		0.00129	< 0.00252	0.00252	< 0.00122	0.00122	< 0.00109	0.00109			
1,1,1,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
Tetrachloroethene	100	24	0.0023	0.0051	< 0.00153		0.00153	< 0.00297	0.00297	< 0.00144	0.00144	< 0.00129	0.00129			
Toluene	47000	4900	0.69	0.76	< 0.00129		0.00129	< 0.00252	0.00252	< 0.00122	0.00122	< 0.00109	0.00109			
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.00141	L	0.00141	< 0.00274	L	0.00274	< 0.00133	0.00133	< 0.00119	0.00119		
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.00129	L	0.00129	< 0.00252	L	0.00252	< 0.00122	0.00122	< 0.00109	0.00109		
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	< 0.00294		0.00294	< 0.00572	0.00572	< 0.00276	0.00276	< 0.00248	0.00248			
Trichloroethene	6	0.94	0.0018	0.00018	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
Trichlorofluoromethane	3100	730	NE	0.73	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
Vinyl chloride	1.7	0.059	0.00069	0.0000065	< 0.00118		0.00118	< 0.00229	0.00229	< 0.00111	0.00111	< 0.000991	0.000991			
Xylenes, total	2500	580	9.8	0.19	< 0.00294		0.00294	< 0.00572	0.00572	< 0.00276	0.00276	< 0.00248	0.00248			

**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWC0345-04 Tract 62 SB-1 (0-2) 03/01/2012			NWC0345-05 Tract 62 SB-1 (8-12) 03/01/2012			NUK1797-01-RE1 Tract 67 SB-1 (0-2) 11/11/2011			NUK1797-02 Tract 67 SB-1 (28-32) 11/11/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	< 0.0265		0.0265	< 0.0272		0.0272	0.197		0.0345	0.0796	J	0.0452
Benzene	5.1	1.2	0.0026	0.00023	< 0.00116		0.00116	< 0.00120		0.00120	0.00192	J	0.00152	< 0.00199		0.00199
Bromochloromethane	630	150	NE	0.021	< 0.00127		0.00127	< 0.00131		0.00131	< 0.00165		0.00165	< 0.00217		0.00217
Bromodichloromethane	1.3	0.29	0.022	0.000036	< 0.00106		0.00106	< 0.00109		0.00109	< 0.00138		0.00138	< 0.00181		0.00181
Bromoform	290	67	0.021	0.0024	< 0.00106		0.00106	< 0.00109		0.00109	< 0.00138		0.00138	< 0.00181		0.00181
Bromomethane	30	6.8	NE	0.0019	< 0.00127		0.00127	< 0.00131		0.00131	< 0.00165		0.00165	< 0.00217		0.00217
2-Butanone	190000	27000	NE	1.2	< 0.0265		0.0265	< 0.0272		0.0272	< 0.0345		0.0345	< 0.0452		0.0452
Carbon disulfide	3500	770	NE	0.24	< 0.00381		0.00381	< 0.00392		0.00392	< 0.00496		0.00496	< 0.00651		0.00651
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	< 0.00106		0.00106	< 0.00109		0.00109	< 0.00138		0.00138	< 0.00181		0.00181
Chlorobenzene	1300	280	0.068	0.053	< 0.00116		0.00116	< 0.00120		0.00120	< 0.00152		0.00152	< 0.00199		0.00199
Chlorodibromomethane	3.2	0.73	0.021	0.000045	< 0.00106		0.00106	< 0.00109		0.00109	< 0.00138		0.00138	< 0.00181		0.00181
Chloroethane	57000	14000	NE	5.9	< 0.00265		0.00265	< 0.00272		0.00272	< 0.00345		0.00345	< 0.00452		0.00452
Chloroform	1.4	0.32	0.022	0.000061	< 0.00138		0.00138	< 0.00142		0.00142	< 0.00179		0.00179	< 0.00235		0.00235
Chloromethane	460	110	NE	0.049	< 0.00116		0.00116	< 0.00120		0.00120	< 0.00152		0.00152	< 0.00199		0.00199
Cyclohexane	27000	6500	NE	13	< 0.00529		0.00529	< 0.00545		0.00545	< 0.00689		0.00689	< 0.00904		0.00904
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.00000014	< 0.00265		0.00265	< 0.00272		0.00272	< 0.151	RL1	0.151	< 0.00452		0.00452
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.0000021	< 0.00106		0.00106	< 0.00109		0.00109	< 0.00138		0.00138	< 0.00181		0.00181
Methylcyclohexane	NE	NE	NE	NE	< 0.00529		0.00529	< 0.00545		0.00545	< 0.00689		0.00689	< 0.00904		0.00904
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.00106		0.00106	< 0.00109		0.00109	< 0.0606	RL1	0.0606	< 0.00181		0.00181
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.00127		0.00127	< 0.00131		0.00131	< 0.0727	RL1	0.0727	< 0.00217		0.00217
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.00116		0.00116	< 0.00120		0.00120	< 0.0666	RL1	0.0666	< 0.00199		0.00199
Dichlorodifluoromethane	370	87	NE	0.3	< 0.00148		0.00148	< 0.00153		0.00153	< 0.00193		0.00193	< 0.00253		0.00253
1,2-Dichloroethane	2	0.46	0.0014	0.000048	< 0.00116		0.00116	< 0.00120		0.00120	< 0.00152		0.00152	< 0.00199		0.00199
1,1-Dichloroethane	16	3.6	NE	0.00078	< 0.00138		0.00138	< 0.00142		0.00142	< 0.00179		0.00179	< 0.00235		0.00235
1,1-Dichloroethene	1000	230	0.0025	0.1	< 0.00127		0.00127	< 0.00131		0.00131	< 0.00165		0.00165	< 0.00217		0.00217
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	< 0.00138		0.00138	< 0.00142		0.00142	< 0.00179		0.00179	< 0.00235		0.00235
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	< 0.00116		0.00116	< 0.00120		0.00120	< 0.00152		0.00152	< 0.00199		0.00199
cis-1,2-Dichloroethene	2300	160	0.021	0.011	< 0.00116		0.00116	< 0.00120		0.00120	< 0.00152		0.00152	< 0.00199		0.00199
1,2-Dichloropropane	4.4	1	0.0017	0.00015	< 0.00106		0.00106	< 0.00109		0.00109	< 0.00138		0.00138	< 0.00181		0.00181
trans-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00106		0.00106	< 0.00109		0.00109	< 0.00138		0.00138	< 0.00181		0.00181
cis-1,3-Dichloropropene	NE	NE	NE	NE	< 0.00106	L	0.00106	< 0.00109	L	0.00109	< 0.00138		0.00138	< 0.00181		0.00181
Ethylbenzene	25	5.8	0.78	0.0017	< 0.00116		0.00116	< 0.00120		0.00120	< 0.00152		0.00152	< 0.00199		0.00199
2-Hexanone	1300	200	NE	0.0088	< 0.0265		0.0265	< 0.0272		0.0272	< 0.0345		0.0345	< 0.0452		0.0452
Isopropylbenzene	9900	1900	NE	0.74	< 0.00116		0.00116	< 0.00120		0.00120	< 0.00152		0.00152	< 0.00199		0.00199
Methyl Acetate	1200000	78000	NE	4.1	< 0.00529		0.00529	< 0.00545		0.00545	< 0.00689		0.00689	< 0.00904		0.00904
Methyl tert-Butyl Ether	210	47	NE	0.0032	< 0.00106		0.00106	< 0.00109		0.00109	< 0.00138		0.00138	< 0.00181		0.00181
Methylene Chloride	1000	57	0.0013	0.0029	< 0.00529		0.00529	< 0.00545		0.00545	< 0.00689		0.00689	< 0.00904		0.00904
4-Methyl-2-pentanone	56000	5300	NE	0.28	< 0.0265	L	0.0265	< 0.0272	L	0.0272	< 0.0345		0.0345	< 0.0452		0.0452
Styrene	35000	6000	0.11	1.3	< 0.00116		0.00116	< 0.00120		0.00120	< 0.00152		0.00152	< 0.00199		0.00199
1,1,2,2-Tetrachloroethane	2.7	0.6	NE	0.00003	< 0.00106		0.00106	< 0.00109		0.00109	< 0.0606	RL1	0.0606	< 0.00181		0.00181
Tetrachloroethene	100	24	0.0023	0.0051	< 0.00138		0.00138	< 0.00142		0.00142	< 0.00179		0.00179	< 0.00235		0.00235
Toluene	47000	4900	0.69	0.76	< 0.00116		0.00116	< 0.00120		0.00120	0.00196	J	0.00152	< 0.00199		0.00199
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.00127		0.00127	< 0.00131		0.00131	< 0.0727	RL1	0.0727	< 0.00217		0.00217
1,2,3-Trichlorobenzene	660	49	NE	0.021	< 0.00116		0.00116	< 0.00120		0.00120	< 0.0666	RL1	0.0666	< 0.00199		0.00199
1,1,1-Trichloroethane	36000	8100	0.07	2.8	< 0.00106		0.00106	< 0.00109		0.00109	< 0.00138		0.00138	< 0.00181		0.00181
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	< 0.00265		0.00265	< 0.00272		0.00272	< 0.00345		0.00345	< 0.00452		0.00452
Trichloroethene	6	0.94	0.0018	0.00018	< 0.00106		0.00106	< 0.00109		0.00109	< 0.00138		0.00138	< 0.00181		0.00181
Trichlorofluoromethane	3100	730	NE	0.73	< 0.00106		0.00106	< 0.00109		0.00109	< 0.00138		0.00138	< 0.00181		0.00181
Vinyl chloride	1.7	0.059	0.00069	0.0000065	< 0.00106		0.00106	< 0.00109		0.00109	< 0.00138		0.00138	< 0.00181		0.00181
Xylenes, total	2500	580	9.8	0.19	< 0.00265		0.00265	< 0.00272		0.00272	< 0.00345		0.00345	< 0.00452		0.00452

**Table 2**  
**Summary of Soil Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1134-08-554**

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in milligrams per kilogram.

Blue text indicates exceedance of screening level.

1. Industrial Screening Level for soil obtained from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table dated January 2015 (SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
2. Residential Screening Level for soil from the SL Table. Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
3. Soil Screening Level (SSL) for the protection of groundwater based on the maximum contaminant level (MCL) for drinking water (from the SL Table). The SSL-MCL, if listed, supercedes the SSL-Tap.
4. Soil Screening Level (SSL) for the protection of groundwater based on tap water (risk-based) screening level for drinking water (from the SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1 and a dilution attenuation factor of 1.

"NA" indicates specific parameter not analyzed.

"RL1" qualifier indicates parameter reporting limit raised due to sample matrix effects.

"L" qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected. Data not impacted.

"J" qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

"M8" qualifier indicates the Matrix Spike and/or Matrix Spike Duplicate were below the acceptance limits.

"L1" qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.

"B" qualifier indicates the compound was detected in the blank and sample.

\*\*\* qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate exceeds the control limits.

"H" qualifier indicates sample was prepped or analyzed beyond the specified holding time.

**Table 3**  
**Summary of Soil Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8270D	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWB3949-01 Tract 1 SB-1 (0-2) 02/28/2012			NWB3949-02 Tract 1 SB-1 (36-40) 02/28/2012			NWB3949-04 Tract 1 SB-2 (0-2) 02/28/2012			NWB3949-05 Tract 1 SB-2 (50-54) 02/28/2012			490-66802-1 Tract 4 SB-1 (4-8) 11/18/2014			490-66957-6 Tract 4 SB-2 (0-2) 11/20/2014			490-66957-7 Tract 4 SB-2 (40-44) 11/20/2014			490-66957-3 Tract 4A SB-1 (0-2) 11/20/2014			490-66957-4 Tract 4A SB-1 (32-36) 11/20/2014					
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	45000	3500	NE	5.5	< 0.0372	0.0372	< 0.0688	0.0688	< 0.0397	0.0397	< 0.0621	0.0621	< 0.00990	0.00990	< 0.00972	0.00972	< 0.00946	0.00946	< 0.00977	0.00977	< 0.00969	0.00969	< 0.00972	0.00972	< 0.00952	0.00952	< 0.00977	0.00977	< 0.00969	0.00969				
Acenaphthylene	NE	NE	NE	NE	< 0.0372	0.0372	< 0.0688	0.0688	< 0.0397	0.0397	< 0.0621	0.0621	< 0.00891	0.00891	< 0.00875	0.00875	< 0.00852	0.00852	< 0.00879	0.00879	< 0.00872	0.00872	< 0.00852	0.00852	< 0.00879	0.00879	< 0.00872	0.00872	< 0.00872	0.00872				
Anthracene	230000	17000	NE	58	< 0.0372	0.0372	< 0.0688	0.0688	< 0.0397	0.0397	< 0.0621	0.0621	< 0.00891	0.00891	< 0.00875	0.00875	< 0.00852	0.00852	< 0.00879	0.00879	< 0.00872	0.00872	< 0.00852	0.00852	< 0.00879	0.00879	< 0.00872	0.00872	< 0.00872	0.00872				
Benzo (a) anthracene	2.9	0.15	NE	0.012	< 0.0372	0.0372	< 0.0688	0.0688	0.0708	J	0.0397	< 0.0621	0.0621	< 0.0149	0.0149	< 0.0146	0.0146	< 0.0142	0.0142	< 0.0147	0.0147	< 0.0145	0.0145	< 0.0142	0.0142	< 0.0147	0.0147	< 0.0145	0.0145					
Benzo (a) pyrene	0.29	0.015	0.24	0.004	< 0.0372	0.0372	< 0.0688	0.0688	0.0715	J	0.0397	< 0.0621	0.0621	< 0.0119	0.0119	< 0.0117	0.0117	< 0.0114	0.0114	< 0.0117	0.0117	< 0.0116	0.0116	< 0.0114	0.0114	< 0.0117	0.0117	< 0.0116	0.0116					
Benzo (b) fluoranthene	2.9	0.15	NE	0.041	< 0.0372	0.0372	< 0.0688	0.0688	0.174	J	0.0397	< 0.0621	0.0621	< 0.0119	0.0119	< 0.0117	0.0117	< 0.0114	0.0114	< 0.0117	0.0117	< 0.0116	0.0116	< 0.0114	0.0114	< 0.0117	0.0117	< 0.0116	0.0116					
Benzo (g,h,i) perylene	NE	NE	NE	NE	< 0.0372	0.0372	< 0.0688	0.0688	0.0490	J	0.0397	< 0.0621	0.0621	< 0.00891	0.00891	< 0.00875	0.00875	< 0.00852	0.00852	< 0.00879	0.00879	< 0.00872	0.00872	< 0.00852	0.00852	< 0.00879	0.00879	< 0.00872	0.00872					
Benzo (k) fluoranthene	29	1.5	NE	0.4	< 0.0372	0.0372	< 0.0688	0.0688	0.111	J	0.0397	< 0.0621	0.0621	< 0.0139	0.0139	< 0.0136	0.0136	< 0.0132	0.0132	< 0.0137	0.0137	< 0.0136	0.0136	< 0.0132	0.0132	< 0.0137	0.0137	< 0.0136	0.0136					
4-Bromophenyl phenyl ether	NE	NE	NE	NE	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0168	0.0168	< 0.0165	0.0165	< 0.0161	0.0161	< 0.0166	0.0166	< 0.0165	0.0165	< 0.0161	0.0161	< 0.0166	0.0166	< 0.0165	0.0165	< 0.0165	0.0165				
Butyl benzyl phthalate	1200	280	NE	0.23	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0158	0.0158	< 0.0156	0.0156	< 0.0151	0.0151	< 0.0156	0.0156	< 0.0155	0.0155	< 0.0151	0.0151	< 0.0156	0.0156	< 0.0155	0.0155	< 0.0155	0.0155				
Carbazole	NE	NE	NE	NE	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.00693	0.00693	< 0.00681	0.00681	< 0.00662	0.00662	< 0.00684	0.00684	< 0.00679	0.00679	< 0.00662	0.00662	< 0.00684	0.00684	< 0.00679	0.00679	< 0.00679	0.00679				
4-Chloro-3-methylphenol	82000	6200	NE	1.7	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0158	0.0158	< 0.0156	0.0156	< 0.0151	0.0151	< 0.0156	0.0156	< 0.0155	0.0155	< 0.0151	0.0151	< 0.0156	0.0156	< 0.0155	0.0155	< 0.0155	0.0155				
4-Chloroaniline	12	2.7	NE	0.00016	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.164	0.164	< 0.161	0.161	< 0.157	0.157	< 0.162	0.162	< 0.161	0.161	< 0.157	0.157	< 0.162	0.162	< 0.161	0.161	< 0.161	0.161				
Bis(2-chloroethoxy)methane	2500	180	NE	0.013	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0119	0.0119	< 0.0117	0.0117	< 0.0114	0.0114	< 0.0117	0.0117	< 0.0116	0.0116	< 0.0114	0.0114	< 0.0117	0.0117	< 0.0116	0.0116	< 0.0116	0.0116				
Bis(2-chloroethyl)ether	1	0.23	NE	0.000036	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0198	0.0198	< 0.0194	0.0194	< 0.0189	0.0189	< 0.0195	0.0195	< 0.0194	0.0194	< 0.0189	0.0189	< 0.0195	0.0195	< 0.0194	0.0194	< 0.0194	0.0194				
Bis(2-chloroisopropyl)ether	22	4.9	NE	0.00013	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.133	0.133	< 0.130	0.130	< 0.127	0.127	< 0.131	0.131	< 0.130	0.130	< 0.127	0.127	< 0.131	0.131	< 0.130	0.130	< 0.130	0.130				
2-Chloronaphthalene	93000	6300	NE	3.8	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0168	0.0168	< 0.0165	0.0165	< 0.0161	0.0161	< 0.0166	0.0166	< 0.0165	0.0165	< 0.0161	0.0161	< 0.0166	0.0166	< 0.0165	0.0165	< 0.0165	0.0165				
2-Chlorophenol	5800	390	NE	0.074	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0149	0.0149	< 0.0146	0.0146	< 0.0142	0.0142	< 0.0147	0.0147	< 0.0145	0.0145	< 0.0142	0.0142	< 0.0147	0.0147	< 0.0145	0.0145	< 0.0145	0.0145				
4-Chlorophenyl phenyl ether	NE	NE	NE	NE	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0238	0.0238	< 0.0233	0.0233	< 0.0227	0.0227	< 0.0235	0.0235	< 0.0233	0.0233	< 0.0227	0.0227	< 0.0235	0.0235	< 0.0233	0.0233	< 0.0233	0.0233				
Chrysene	290	15	NE	1.2	< 0.0372	0.0372	< 0.0688	0.0688	0.207	J	0.0397	< 0.0621	0.0621	< 0.00891	0.00891	< 0.00875	0.00875	< 0.00852	0.00852	< 0.00879	0.00879	< 0.00872	0.00872	< 0.00852	0.00852	< 0.00879	0.00879	< 0.00872	0.00872					
Dibenz (a,h) anthracene	0.29	0.015	NE	0.013	< 0.0372	0.0372	< 0.0688	0.0688	< 0.0397	0.0397	< 0.0621	0.0621	< 0.00693	0.00693	< 0.00681	0.00681	< 0.00662	0.00662	< 0.00684	0.00684	< 0.00679	0.00679	< 0.00662	0.00662	< 0.00684	0.00684	< 0.00679	0.00679	< 0.00679	0.00679				
Dibenzofuran	1000	72	NE	0.15	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0129	0.0129	< 0.0126	0.0126	< 0.0123	0.0123	< 0.0127	0.0127	< 0.0126	0.0126	< 0.0123	0.0123	< 0.0127	0.0127	< 0.0126	0.0126	< 0.0126	0.0126				
Di-n-butyl phthalate	82000	6200	NE	2.3	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0129	0.0129	< 0.0126	0.0126	< 0.0123	0.0123	< 0.0127	0.0127	< 0.0126	0.0126	< 0.0123	0.0123	< 0.0127	0.0127	< 0.0126	0.0126	< 0.0126	0.0126				
3,3-Dichlorobenzidine	5.1	1.2	NE	0.00081	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.132	0.132	< 0.129	0.129	< 0.126	0.126	< 0.130	0.130	< 0.129	0.129	< 0.126	0.126	< 0.130	0.130	< 0.129	0.129	< 0.129	0.129				
2,4-Dichlorophenol	2500	180	NE	0.054	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0168	0.0168	< 0.0165	0.0165	< 0.0161	0.0161	< 0.0166	0.0166	< 0.0165	0.0165	< 0.0161	0.0161	< 0.0166	0.0166	< 0.0165	0.0165	< 0.0165	0.0165				
Diethyl phthalate	660000	49000	NE	6.1	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0139	0.0139	< 0.0136	0.0136	< 0.0132	0.0132	< 0.0137	0.0137	< 0.0136	0.0136	< 0.0132	0.0132	< 0.0137	0.0137	< 0.0136	0.0136	< 0.0136	0.0136				
2,4-Dimethylphenol	16000	1200	NE	0.42	< 0.210	0.210	< 0.389	0.389	< 0.224	0.224	< 0.351	0.351	< 0.190	0.190	< 0.187	0.187	< 0.182	0.182	< 0.188	0.188	< 0.186	0.186	< 0.182	0.182	< 0.188	0.188	< 0.186	0.186	< 0.186	0.186				
Dimethyl phthalate	NE	NE	NE	NE	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.00792	0.00792	< 0.00778	0.00778	< 0.00757	0.00757	< 0.00782	0.00782	< 0.00775	0.00775	< 0.00757	0.00757	< 0.00782	0.00782	< 0.00775	0.00775	< 0.00775	0.00775				
4,6-Dinitro-2-methylphenol	66	4.9	NE	0.0026	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.102	0.102	< 0.100	0.100	< 0.0975	0.0975	< 0.101	0.101	< 0.0998	0.0998	< 0.0975	0.0975	< 0.101	0.101	< 0.0998	0.0998	< 0.0998	0.0998				
2,4-Dinitrophenol	1600	120	NE	0.044	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.109	0.109	< 0.107	0.107	< 0.104	0.104	< 0.107	0.107	< 0.107	0.107	< 0.104	0.104	< 0.107	0.107	< 0.107	0.107	< 0.107	0.107				
2,6-Dinitrotoluene	1.5	0.36	NE	0.000067	< 0.183	0.183	< 0.338	0.338	< 0.195	0.195	< 0.305	0.305	< 0.0307	0.0307	< 0.0301	0.0301	< 0.0293	0.0293	< 0.0303	0.0303	< 0.0300	0.0300	< 0.0293	0.0293	< 0.0303	0.0303	< 0.0300	0.0300	< 0.0300					

**Table 3**  
**Summary of Soil Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8270D	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-66802-3 Tract 4B SB-1 (1-3) 11/19/2014			490-66802-4 Tract 4B SB-1 (18-22) 11/19/2014			490-66802-6 Tract 4C SB-1 (0-2) 11/19/2014			490-66957-1 Tract 4C SB-1 (42-46) 11/19/2014			490-67111-1 Tract 4D SB-1 (0-2) 11/21/2014			490-67111-2 Tract 4D SB-1 (6-10) 11/21/2014			490-37637-1 Tract 6 SB-1 (0-2) 10/10/2013			490-37637-2 Tract 6 SB-1 (10-14) 10/10/2013					
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	45000	3500	NE	5.5	< 0.00932	0.00932	< 0.00994	0.00994	< 0.00960	0.00960	< 0.00991	0.00991	< 0.00994	0.00994	< 0.00993	0.00993	< 0.00993	0.00993	< 0.00993	0.00993	< 0.00993	0.00993	< 0.00993	0.00993	< 0.00985	0.00985	< 0.00983	0.00983			
Acenaphthylene	NE	NE	NE	NE	< 0.00839	0.00839	< 0.00895	0.00895	< 0.00864	0.00864	< 0.00892	0.00892	< 0.00895	0.00895	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00885	0.00885	< 0.00885	0.00885			
Anthracene	230000	17000	NE	58	< 0.00839	0.00839	< 0.00895	0.00895	< 0.00864	0.00864	< 0.00892	0.00892	< 0.00895	0.00895	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00885	0.00885	< 0.00885	0.00885			
Benzo (a) anthracene	2.9	0.15	NE	0.012	< 0.0140	0.0140	< 0.0149	0.0149	< 0.0144	0.0144	< 0.0149	0.0149	< 0.0149	0.0149	< 0.0149	0.0149	< 0.0149	0.0149	< 0.0149	0.0149	< 0.0149	0.0149	< 0.0149	0.0149	< 0.0147	0.0147	< 0.0147	0.0147			
Benzo (a) pyrene	0.29	0.015	0.24	0.004	< 0.0112	0.0112	< 0.0119	0.0119	< 0.0115	0.0115	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0118	0.0118	< 0.0118	0.0118			
Benzo (b) fluoranthene	2.9	0.15	NE	0.041	< 0.0112	0.0112	< 0.0119	0.0119	< 0.0115	0.0115	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0118	0.0118	< 0.0118	0.0118			
Benzo (g,h,i) perylene	NE	NE	NE	NE	< 0.00839	0.00839	< 0.00895	0.00895	< 0.00864	0.00864	< 0.00892	0.00892	< 0.00895	0.00895	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00885	0.00885	< 0.00885	0.00885			
Benzo (k) fluoranthene	29	1.5	NE	0.4	< 0.0130	0.0130	< 0.0139	0.0139	< 0.0134	0.0134	< 0.0139	0.0139	< 0.0139	0.0139	< 0.0139	0.0139	< 0.0139	0.0139	< 0.0139	0.0139	< 0.0139	0.0139	< 0.0139	0.0139	< 0.0138	0.0138	< 0.0138	0.0138			
4-Bromophenyl phenyl ether	NE	NE	NE	NE	< 0.0158	0.0158	< 0.0169	0.0169	< 0.0163	0.0163	< 0.0168	0.0168	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0167	0.0167	< 0.0167	0.0167			
Butyl benzyl phthalate	1200	280	NE	0.23	< 0.0149	0.0149	< 0.0159	0.0159	< 0.0154	0.0154	< 0.0158	0.0158	< 0.0159	0.0159	< 0.0159	0.0159	< 0.0159	0.0159	< 0.0159	0.0159	< 0.0159	0.0159	< 0.0159	0.0159	< 0.0157	0.0157	< 0.0157	0.0157			
Carbazole	NE	NE	NE	NE	< 0.00652	0.00652	< 0.00696	0.00696	< 0.00672	0.00672	< 0.00693	0.00693	< 0.00696	0.00696	< 0.00695	0.00695	< 0.00695	0.00695	< 0.00695	0.00695	< 0.00695	0.00695	< 0.00695	0.00695	< 0.00688	0.00688	< 0.00688	0.00688			
4-Chloro-3-methylphenol	82000	6200	NE	1.7	< 0.0149	0.0149	< 0.0159	0.0159	< 0.0154	0.0154	< 0.0158	0.0158	< 0.0159	0.0159	< 0.0159	0.0159	< 0.0159	0.0159	< 0.0159	0.0159	< 0.0159	0.0159	< 0.0159	0.0159	< 0.0157	0.0157	< 0.0157	0.0157			
4-Chloroaniline	12	2.7	NE	0.00016	< 0.155	0.155	< 0.165	0.165	< 0.159	0.159	< 0.164	0.164	< 0.165	0.165	< 0.165	0.165	< 0.165	0.165	< 0.165	0.165	< 0.165	0.165	< 0.165	0.165	< 0.163	0.163	< 0.163	0.163			
Bis(2-chloroethoxy)methane	2500	180	NE	0.013	< 0.0112	0.0112	< 0.0119	0.0119	< 0.0115	0.0115	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0119	0.0119	< 0.0118	0.0118	< 0.0118	0.0118			
Bis(2-chloroethyl)ether	1	0.23	NE	0.000036	< 0.0186	0.0186	< 0.0199	0.0199	< 0.0192	0.0192	< 0.0198	0.0198	< 0.0199	0.0199	< 0.0199	0.0199	< 0.0199	0.0199	< 0.0199	0.0199	< 0.0199	0.0199	< 0.0199	0.0199	< 0.0197	0.0197	< 0.0197	0.0197			
Bis(2-chloroisopropyl)ether	22	4.9	NE	0.00013	< 0.125	0.125	< 0.133	0.133	< 0.129	0.129	< 0.133	0.133	< 0.133	0.133	< 0.133	0.133	< 0.133	0.133	< 0.133	0.133	< 0.133	0.133	< 0.133	0.133	< 0.132	0.132	< 0.132	0.132			
2-Chloronaphthalene	93000	6300	NE	3.8	< 0.0158	0.0158	< 0.0169	0.0169	< 0.0163	0.0163	< 0.0168	0.0168	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0167	0.0167	< 0.0167	0.0167			
2-Chlorophenol	5800	390	NE	0.074	< 0.0140	0.0140	< 0.0149	0.0149	< 0.0144	0.0144	< 0.0149	0.0149	< 0.0149	0.0149	< 0.0149	0.0149	< 0.0149	0.0149	< 0.0149	0.0149	< 0.0149	0.0149	< 0.0149	0.0149	< 0.0147	0.0147	< 0.0147	0.0147			
4-Chlorophenyl phenyl ether	NE	NE	NE	NE	< 0.0224	0.0224	< 0.0239	0.0239	< 0.0230	0.0230	< 0.0238	0.0238	< 0.0239	0.0239	< 0.0238	0.0238	< 0.0238	0.0238	< 0.0238	0.0238	< 0.0238	0.0238	< 0.0238	0.0238	< 0.0236	0.0236	< 0.0236	0.0236			
Chrysene	290	15	NE	1.2	< 0.00839	0.00839	< 0.00895	0.00895	< 0.00864	0.00864	< 0.00892	0.00892	< 0.00895	0.00895	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00885	0.00885	< 0.00885	0.00885			
Dibenz (a,h) anthracene	0.29	0.015	NE	0.013	< 0.00652	0.00652	< 0.00696	0.00696	< 0.00672	0.00672	< 0.00693	0.00693	< 0.00696	0.00696	< 0.00695	0.00695	< 0.00695	0.00695	< 0.00695	0.00695	< 0.00695	0.00695	< 0.00695	0.00695	< 0.00688	0.00688	< 0.00688	0.00688			
Dibenzofuran	1000	72	NE	0.15	< 0.0121	0.0121	< 0.0129	0.0129	< 0.0125	0.0125	< 0.0129	0.0129	< 0.0129	0.0129	< 0.0129	0.0129	< 0.0129	0.0129	< 0.0129	0.0129	< 0.0129	0.0129	< 0.0129	0.0129	< 0.0128	0.0128	< 0.0128	0.0128			
Di-n-butyl phthalate	82000	6200	NE	2.3	< 0.0121	0.0121	< 0.0129	0.0129	< 0.0125	0.0125	< 0.0129	0.0129	< 0.0129	0.0129	< 0.0129	0.0129	< 0.0129	0.0129	< 0.0129	0.0129	< 0.0129	0.0129	< 0.0129	0.0129	< 0.0128	0.0128	< 0.0128	0.0128			
3,3-Dichlorobenzidine	5.1	1.2	NE	0.00081	< 0.124	0.124	< 0.132	0.132	< 0.128	0.128	< 0.132	0.132	< 0.132	0.132	< 0.132	0.132	< 0.132	0.132	< 0.132	0.132	< 0.132	0.132	< 0.132	0.132	< 0.131	0.131	< 0.131	0.131			
2,4-Dichlorophenol	2500	180	NE	0.054	< 0.0158	0.0158	< 0.0169	0.0169	< 0.0163	0.0163	< 0.0168	0.0168	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0167	0.0167	< 0.0167	0.0167			
Diethyl phthalate	660000	49000	NE	6.1	< 0.0130	0.0130	< 0.0139	0.0139	< 0.0134	0.0134	< 0.0139	0.0139	< 0.0139	0.0139	< 0.0139	0.0139	< 0.0139	0.0139	< 0.0139	0.0139	< 0.0139	0.0139	< 0.0139	0.0139	< 0.0138	0.0138	< 0.0138	0.0138			
2,4-Dimethylphenol	16000	1200	NE	0.42	< 0.179	0.179	< 0.191	0.191	< 0.184	0.184	< 0.190	0.190	< 0.191	0.191	< 0.191	0.191	< 0.191	0.191	< 0.191	0.191	< 0.191	0.191	< 0.191	0.191	< 0.189	0.189	< 0.189	0.189			
Dimethyl phthalate	NE	NE	NE	NE	< 0.00746	0.00746	< 0.00795	0.00795	< 0.00768	0.00768	< 0.00792	0.00792	< 0.00796	0.00796	< 0.00794	0.00794	< 0.00794	0.00794	< 0.00794	0.00794	< 0.00794	0.00794	< 0.00794	0.00794	< 0.00786	0.00786	< 0.00786	0.00786			
4,6-Dinitro-2-methylphenol	66	4.9	NE	0.0026	< 0.0960	0.0960	< 0.102	0.102	< 0.0989	0.0989	< 0.102	0.102	< 0.102	0.102	< 0.102	0.102	< 0.102	0.102	< 0.102	0.102	< 0.102	0.102	< 0.102	0.102	< 0.101	0.101	< 0.101	0.101			
2,4-Dinitrophenol	1600	120	NE	0.044	< 0.103	0.103	< 0.109	0.109	< 0.106	0.106	< 0.109	0.109	< 0.109	0.109	< 0.109	0.109	< 0.109	0.109	< 0.109	0.109	< 0.109	0.109	< 0.109	0.109	< 0.108	0.108	< 0.108	0.108			
2,6-Dinitrotoluene	1.5	0.36	NE	0.000067	< 0.0289	0.0289	< 0.0308	0.0308	< 0.0298	0.0298	< 0.0307	0.0307	< 0.0308	0.0308	< 0.0308	0.0308	< 0.0308	0.0308	< 0.0308	0.0308	< 0.0308	0.0308	< 0.0308	0.0308	< 0.0305	0.0305	< 0.0305	0.0305			
2,4-Dinitrotoluene	7.4	1.7	NE	0.00032	< 0.00839	0.00839	< 0.00895	0.00895	< 0.00864	0.00864	< 0.00892	0.00892	< 0.00895	0.00895	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00893	0.00893	< 0.00885	0.00885	< 0.00885	0.00885			
Di-n-octyl phthalate	8200	620	NE	57	< 0.0121	0.0121	< 0.0129	0.0129	< 0.0125	0.0125	< 0.0129																				

**Table 3**  
**Summary of Soil Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8270D	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37637-4 Tract 6 SB-2 (0-2) 10/10/2013			490-37637-5 Tract 6 SB-2 (10-14) 10/10/2013			NVL1567-01 Tract 22 SB-1 (0-2) 12/08/2011			NVL1567-02 Tract 22 SB-1 (4-8) 12/08/2011			NVL1390-01 Tract 24 SB-1 (0-2) 12/07/2011			NVL1390-02 Tract 24 SB-1 (2-6) 12/07/2011			NVL1390-04 Tract 24 SB-2 (0-2) 12/07/2011			NVL1390-05 Tract 24 SB-2 (10-14) 12/07/2011					
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	45000	3500	NE	5.5	< 0.00998	0.00998	< 0.00999	0.00999	< 0.0449	0.0449	< 0.0448	0.0448	0.214	0.0403	0.0413	J	0.0413	0.151	0.0358	< 0.0421	0.0421										
Acenaphthylene	NE	NE	NE	NE	< 0.00898	0.00898	< 0.00899	0.00899	< 0.0449	0.0449	< 0.0448	0.0448	0.118	0.0403	< 0.0413	0.0413	0.0684	J	0.0358	< 0.0421	0.0421										
Anthracene	230000	17000	NE	58	< 0.00898	0.00898	< 0.00899	0.00899	< 0.0449	0.0449	< 0.0448	0.0448	< 0.0403	0.0403	< 0.0413	0.0413	0.0744	0.0358	< 0.0421	0.0421											
Benzo (a) anthracene	2.9	0.15	NE	0.012	< 0.0150	0.0150	< 0.0150	0.0150	< 0.0449	0.0449	< 0.0448	0.0448	<b>0.0869</b>	0.0403	< 0.0413	0.0413	<b>0.0396</b>	J	0.0358	< 0.0421	0.0421										
Benzo (a) pyrene	0.29	0.015	0.24	0.004	< 0.0120	0.0120	< 0.0120	0.0120	<b>0.0502</b>	J	0.0449	< 0.0448	0.0448	<b>0.0648</b>	J	0.0403	< 0.0413	0.0413	< 0.0358	0.0358	< 0.0421	0.0421									
Benzo (b) fluoranthene	2.9	0.15	NE	0.041	< 0.0120	0.0120	< 0.0120	0.0120	<b>0.0462</b>	J	0.0449	< 0.0448	0.0448	<b>0.0596</b>	J	0.0403	< 0.0413	0.0413	< 0.0358	0.0358	< 0.0421	0.0421									
Benzo (g,h,i) perylene	NE	NE	NE	NE	< 0.00898	0.00898	< 0.00899	0.00899	0.0471	J	0.0449	< 0.0448	0.0448	< 0.0403	0.0403	< 0.0413	0.0413	< 0.0358	0.0358	< 0.0421	0.0421										
Benzo (k) fluoranthene	29	1.5	NE	0.4	< 0.0140	0.0140	< 0.0140	0.0140	0.0537	J	0.0449	< 0.0448	0.0448	0.0537	J	0.0403	< 0.0413	0.0413	< 0.0358	0.0358	< 0.0421	0.0421									
4-Bromophenyl phenyl ether	NE	NE	NE	NE	< 0.0170	0.0170	< 0.0170	0.0170	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Butyl benzyl phthalate	1200	280	NE	0.23	< 0.0160	0.0160	< 0.0160	0.0160	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Carbazole	NE	NE	NE	NE	< 0.00698	0.00698	< 0.00699	0.00699	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
4-Chloro-3-methylphenol	82000	6200	NE	1.7	< 0.0160	0.0160	< 0.0160	0.0160	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
4-Chloroaniline	12	2.7	NE	0.00016	< 0.166	0.166	< 0.166	0.166	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Bis(2-chloroethoxy)methane	2500	180	NE	0.013	< 0.0120	0.0120	< 0.0120	0.0120	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Bis(2-chloroethyl)ether	1	0.23	NE	0.000036	< 0.0200	0.0200	< 0.0200	0.0200	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Bis(2-chloroisopropyl)ether	22	4.9	NE	0.00013	< 0.134	0.134	< 0.134	0.134	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
2-Chloronaphthalene	93000	6300	NE	3.8	< 0.0170	0.0170	< 0.0170	0.0170	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
2-Chlorophenol	5800	390	NE	0.074	< 0.0150	0.0150	< 0.0150	0.0150	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
4-Chlorophenyl phenyl ether	NE	NE	NE	NE	< 0.0239	0.0239	< 0.0240	0.0240	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Chrysene	290	15	NE	1.2	< 0.00898	0.00898	< 0.00899	0.00899	< 0.0449	0.0449	< 0.0448	0.0448	0.0715	J	0.0403	< 0.0413	0.0413	< 0.0358	0.0358	< 0.0421	0.0421										
Dibenz (a,h) anthracene	0.29	0.015	NE	0.013	< 0.00698	0.00698	< 0.00699	0.00699	< 0.0449	0.0449	< 0.0448	0.0448	< 0.0403	0.0403	< 0.0413	0.0413	< 0.0358	0.0358	< 0.0421	0.0421											
Dibenzofuran	1000	72	NE	0.15	< 0.0130	0.0130	< 0.0130	0.0130	< 0.221	0.221	< 0.220	0.220	<b>0.538</b>	0.198	< 0.203	0.203	<b>0.308</b>	J	0.176	< 0.207	0.207										
Di-n-butyl phthalate	82000	6200	NE	2.3	< 0.0130	0.0130	< 0.0130	0.0130	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
3,3-Dichlorobenzidine	5.1	1.2	NE	0.00081	< 0.133	0.133	< 0.133	0.133	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
2,4-Dichlorophenol	2500	180	NE	0.054	< 0.0170	0.0170	< 0.0170	0.0170	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Diethyl phthalate	660000	49000	NE	6.1	< 0.0140	0.0140	< 0.0140	0.0140	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
2,4-Dimethylphenol	16000	1200	NE	0.42	< 0.192	0.192	< 0.192	0.192	< 0.254	0.254	< 0.253	0.253	< 0.228	0.228	< 0.233	0.233	< 0.202	0.202	< 0.238	0.238											
Dimethyl phthalate	NE	NE	NE	NE	< 0.00798	0.00798	< 0.00799	0.00799	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
4,6-Dinitro-2-methylphenol	66	4.9	NE	0.0026	< 0.103	0.103	< 0.103	0.103	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
2,4-Dinitrophenol	1600	120	NE	0.044	< 0.110	0.110	< 0.110	0.110	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
2,6-Dinitrotoluene	1.5	0.36	NE	0.000067	< 0.0309	0.0309	< 0.0310	0.0310	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
2,4-Dinitrotoluene	7.4	1.7	NE	0.00032	< 0.00898	0.00898	< 0.00899	0.00899	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Di-n-octyl phthalate	8200	620	NE	57	< 0.0130	0.0130	< 0.0130	0.0130	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
1,2-Dichlorobenzene	9300	1800	0.58	0.3	NA	NA	NA	NA	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Bis(2-ethylhexyl)phthalate	160	38	1.4	1.3	0.396	B	0.0130	0.0803	J	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
1,3-Dichlorobenzene	NE	NE	NE	NE	NA	NA	NA	NA	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Fluoranthene	30000	2300	NE	89	0.0349	J	0.00898	< 0.00899	0.0753	J	0.0449	0.0505	J	0.0448	0.242	0.0403	0.0519	0.0413	0.122	0.0358	< 0.0421	0.0421									
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	NA	NA	NA	NA	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Fluorene	30000	2300	NE	5.4	< 0.0120	0.0120	< 0.0120	0.0120	< 0.0449	0.0449	< 0.0448	0.0448	0.592	0.0403	0.185	0.0413	0.364	0.0358	< 0.0421	0.0421											
Hexachlorobenzene	1.4	0.33	0.013	0.00061	< 0.0289	0.0289	< 0.0290	0.0290	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Hexachlorobutadiene	30	6.8	NE	0.00057	< 0.0698	0.0698	< 0.0699	0.0699	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Hexachlorocyclopentadiene	4900	370	0.16	0.096	< 0.0160	0.0160	< 0.0160	0.0160	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Hexachloroethane	58	13	NE	0.00055	< 0.0200	0.0200	< 0.0200	0.0200	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
Indeno (1,2,3-cd) pyrene	2.9	0.15	NE	0.24	< 0.00998	0.00998	< 0.00999	0.00999	< 0.0449	0.0449	< 0.0448	0.0448	< 0.0403	0.0403	< 0.0413	0.0413	< 0.0358	0.0358	< 0.0421	0.0421											
Isophorone	2400	560	NE	0.026	< 0.0589	0.0589	< 0.0589	0.0589	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
2-Methylnaphthalene	3000	230	NE	0.19	< 0.0160	0.0160	< 0.0160	0.0160	<b>0.262</b>	0.0449	< 0.0448	0.0448	<b>15.5</b>	0.403	<b>2.45</b>	0.0413	<b>20.5</b>	0.358	<b>0.210</b>	0.0421											
2-Methylphenol	41000	3100	NE	0.75	< 0.0928	0.0928	< 0.0929	0.0929	< 0.221	0.221	< 0.220	0.220	< 0.198	0.198	< 0.203	0.203	< 0.176	0.176	< 0.207	0.207											
3/4-Methylphenol	NE	NE	NE	NE	< 0.0200	0.0200	< 0.0200	0.0200	< 0.221	0.221	< 0.220	0.220	< 0.																		



**Table 3**  
**Summary of Soil Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8270D	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37411-1 Tract 33 SB-2 (0-2) 10/09/2013			490-37411-2 Tract 33 SB-2 (10-14) 10/09/2013			490-37411-6 Tract 33 SB-3 (0-2) 10/09/2013			490-37411-7 Tract 33 SB-3 (14-18) 10/09/2013			490-37639-1 Tract 33 SB-4 (0-2) 10/11/2013			490-37639-2 Tract 33 SB-4 (22-26) 10/11/2013			NUK1675-01 Tract 35 SB-1 (0-2) 11/09/2011			NUK1675-02 Tract 35 SB-1 (12-16) 11/08/2011					
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	45000	3500	NE	5.5	< 0.00973	0.00973	< 0.00977	0.00977	0.854	0.00973	< 0.00997	0.00997	0.150	0.00979	< 0.00985	0.00985	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695			
Acenaphthylene	NE	NE	NE	NE	< 0.00876	0.00876	< 0.00879	0.00879	0.220	0.00876	< 0.00897	0.00897	< 0.00881	0.00881	< 0.00887	0.00887	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695			
Anthracene	230000	17000	NE	58	< 0.00876	0.00876	< 0.00879	0.00879	2.34	0.00876	< 0.00897	0.00897	0.0820	0.00881	< 0.00887	0.00887	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695			
Benzo (a) anthracene	2.9	0.15	NE	0.012	< 0.0146	0.0146	< 0.0147	0.0147	4.02	0.146	< 0.0149	0.0149	0.0911	0.0147	< 0.0148	0.0148	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695			
Benzo (a) pyrene	0.29	0.015	0.24	0.004	< 0.0117	0.0117	< 0.0117	0.0117	3.62	0.117	< 0.0120	0.0120	0.0575	J	0.0117	< 0.0118	0.0118	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695		
Benzo (b) fluoranthene	2.9	0.15	NE	0.041	< 0.0117	0.0117	< 0.0117	0.0117	5.17	0.117	< 0.0120	0.0120	0.111	0.0117	< 0.0118	0.0118	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695			
Benzo (g,h,i) perylene	NE	NE	NE	NE	< 0.00876	0.00876	< 0.00879	0.00879	2.44	0.00876	< 0.00897	0.00897	< 0.00881	0.00881	< 0.00887	0.00887	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695			
Benzo (k) fluoranthene	29	1.5	NE	0.4	< 0.0136	0.0136	< 0.0137	0.0137	2.00	0.0136	< 0.0140	0.0140	0.0388	J	0.0137	< 0.0138	0.0138	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695		
4-Bromophenyl phenyl ether	NE	NE	NE	NE	< 0.0165	0.0165	< 0.0166	0.0166	< 0.0165	0.0165	< 0.0169	0.0169	< 0.0166	0.0166	< 0.0167	0.0167	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
Butyl benzyl phthalate	1200	280	NE	0.23	< 0.0156	0.0156	< 0.0156	0.0156	0.0487	J	0.0156	< 0.0159	0.0159	< 0.0157	0.0157	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288		
Carbazole	NE	NE	NE	NE	< 0.00681	0.00681	< 0.00684	0.00684	1.28	0.00681	< 0.00698	0.00698	0.0473	J	0.00685	< 0.00690	0.00690	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341		
4-Chloro-3-methylphenol	82000	6200	NE	1.7	< 0.0156	0.0156	< 0.0156	0.0156	< 0.0156	0.0156	< 0.0159	0.0159	< 0.0157	0.0157	< 0.0158	0.0158	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
4-Chloroaniline	12	2.7	NE	0.00016	< 0.162	0.162	< 0.162	0.162	< 0.162	0.162	< 0.165	0.165	< 0.163	0.163	< 0.164	0.164	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
Bis(2-chloroethoxy)methane	2500	180	NE	0.013	< 0.0117	0.0117	< 0.0117	0.0117	< 0.0117	0.0117	< 0.0120	0.0120	< 0.0117	0.0117	< 0.0118	0.0118	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
Bis(2-chloroethyl)ether	1	0.23	NE	0.000036	< 0.0195	0.0195	< 0.0195	0.0195	< 0.0195	0.0195	< 0.0199	0.0199	< 0.0196	0.0196	< 0.0197	0.0197	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
Bis(2-chloroisopropyl)ether	22	4.9	NE	0.00013	< 0.130	0.130	< 0.131	0.131	< 0.130	0.130	< 0.134	0.134	< 0.131	0.131	< 0.132	0.132	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
2-Chloronaphthalene	93000	6300	NE	3.8	< 0.0165	0.0165	< 0.0166	0.0166	< 0.0165	0.0165	< 0.0169	0.0169	< 0.0166	0.0166	< 0.0167	0.0167	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
2-Chlorophenol	5800	390	NE	0.074	< 0.0146	0.0146	< 0.0147	0.0147	< 0.0146	0.0146	< 0.0149	0.0149	< 0.0147	0.0147	< 0.0148	0.0148	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
4-Chlorophenyl phenyl ether	NE	NE	NE	NE	< 0.0234	0.0234	< 0.0234	0.0234	< 0.0234	0.0234	< 0.0239	0.0239	< 0.0235	0.0235	< 0.0236	0.0236	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
Chrysene	290	15	NE	1.2	< 0.00876	0.00876	< 0.00879	0.00879	4.32	0.0876	< 0.00897	0.00897	0.138	0.00881	< 0.00887	0.00887	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695			
Dibenz (a,h) anthracene	0.29	0.015	NE	0.013	< 0.00681	0.00681	< 0.00684	0.00684	0.615	0.00681	< 0.00698	0.00698	< 0.00685	0.00685	< 0.00690	0.00690	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695			
Dibenzofuran	1000	72	NE	0.15	< 0.0127	0.0127	< 0.0127	0.0127	0.559	0.0126	< 0.0130	0.0130	0.0636	J	0.0127	< 0.0128	0.0128	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341		
Di-n-butyl phthalate	82000	6200	NE	2.3	< 0.0127	0.0127	< 0.0127	0.0127	0.0364	J	0.0126	< 0.0130	0.0130	< 0.0127	0.0127	< 0.0128	0.0128	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341		
3,3-Dichlorobenzidine	5.1	1.2	NE	0.00081	< 0.129	0.129	< 0.130	0.130	< 0.129	0.129	< 0.133	0.133	< 0.130	0.130	< 0.131	0.131	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
2,4-Dichlorophenol	2500	180	NE	0.054	< 0.0165	0.0165	< 0.0166	0.0166	< 0.0165	0.0165	< 0.0169	0.0169	< 0.0166	0.0166	< 0.0167	0.0167	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
Diethyl phthalate	660000	49000	NE	6.1	< 0.0136	0.0136	< 0.0137	0.0137	< 0.0136	0.0136	< 0.0140	0.0140	< 0.0137	0.0137	< 0.0138	0.0138	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
2,4-Dimethylphenol	16000	1200	NE	0.42	< 0.187	0.187	< 0.188	0.188	< 0.187	0.187	< 0.191	0.191	< 0.188	0.188	< 0.189	0.189	< 0.331	0.331	< 0.392	0.392	< 0.331	0.331	< 0.392	0.392	< 0.331	0.331	< 0.392	0.392			
Dimethyl phthalate	NE	NE	NE	NE	0.0998	J	0.00779	< 0.00782	0.00782	< 0.00778	0.00778	< 0.00797	0.00797	< 0.00783	0.00783	< 0.00788	0.00788	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341		
4,6-Dinitro-2-methylphenol	66	4.9	NE	0.0026	< 0.100	0.100	< 0.101	0.101	< 0.100	0.100	< 0.103	0.103	< 0.101	0.101	< 0.101	0.101	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
2,4-Dinitrophenol	1600	120	NE	0.044	< 0.107	0.107	< 0.107	0.107	< 0.107	0.107	< 0.110	0.110	< 0.108	0.108	< 0.108	0.108	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
2,6-Dinitrotoluene	1.5	0.36	NE	0.000067	< 0.0302	0.0302	< 0.0303	0.0303	< 0.0302	0.0302	< 0.0309	0.0309	< 0.0303	0.0303	< 0.0305	0.0305	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
2,4-Dinitrotoluene	7.4	1.7	NE	0.00032	< 0.00876	0.00876	< 0.00879	0.00879	< 0.00876	0.00876	< 0.00897	0.00897	< 0.00881	0.00881	< 0.00887	0.00887	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695	< 0.0586	0.0586	< 0.0695	0.0695			
Di-n-octyl phthalate	8200	620	NE	57	< 0.0127	0.0127	< 0.0127	0.0127	< 0.0126	0.0126	< 0.0130	0.0130	< 0.0127	0.0127	< 0.0128	0.0128	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341	< 0.288	0.288	< 0.341	0.341			
1,2-Dichlorobenzene	9300	1800	0.58	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.288	0.288	< 0.341	0.341	&lt											



**Table 3**  
**Summary of Soil Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8270D	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NUK1675-04 Tract 35 SB-2 (0-2) 11/09/2011			NUK1675-05 Tract 35 SB-2 (24-28) 11/09/2011			NUK1675-07 Tract 35 SB-3 (0-2) 11/09/2011			NUK1675-09 Tract 35 SB-4 (0-2) 11/09/2011			NUK1675-10 Tract 35 SB-4 (10-14) 11/09/2011			NUK1792-02-RE1 Tract 35 SB-5 (0-2) 11/10/2011			NUK1792-03 Tract 35 SB-5 (4-8) 11/10/2011			NWC2604-01 Tract 35 SB-6 (0-2) 03/20/2012			NWC2604-02 Tract 35 SB-6 (6-10) 03/20/2012					
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	45000	3500	NE	5.5	< 0.0469	0.0469	< 0.0634	0.0634	< 0.0343	0.0343	< 0.0419	0.0419	< 0.0406	0.0406	< 0.194	RL1	0.194	< 0.0414	0.0414	< 0.0765	0.0765	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766			
Acenaphthylene	NE	NE	NE	NE	< 0.0469	0.0469	< 0.0634	0.0634	< 0.0343	0.0343	< 0.0419	0.0419	< 0.0406	0.0406	< 0.194	RL1	0.194	< 0.0414	0.0414	< 0.0765	0.0765	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766			
Anthracene	230000	17000	NE	58	< 0.0469	0.0469	< 0.0634	0.0634	< 0.0343	0.0343	< 0.0419	0.0419	< 0.0406	0.0406	< 0.194	RL1	0.194	< 0.0414	0.0414	< 0.0765	0.0765	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766			
Benzo (a) anthracene	2.9	0.15	NE	0.012	< 0.0469	0.0469	< 0.0634	0.0634	< 0.0343	0.0343	0.0468	J	0.0419	< 0.0406	0.0406	< 0.194	RL1	0.194	< 0.0414	0.0414	0.0945	J	0.0765	0.0765	0.0796	J	0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766		
Benzo (a) pyrene	0.29	0.015	NE	0.004	< 0.0469	0.0469	< 0.0634	0.0634	< 0.0343	0.0343	0.0468	J	0.0419	< 0.0406	0.0406	< 0.194	RL1	0.194	< 0.0414	0.0414	0.0803	J	0.0765	0.0765	0.0893	J	0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766		
Benzo (b) fluoranthene	2.9	0.15	NE	0.041	< 0.0469	0.0469	< 0.0634	0.0634	< 0.0343	0.0343	0.0468	J	0.0419	< 0.0406	0.0406	< 0.194	RL1	0.194	< 0.0414	0.0414	0.110	J	0.0765	0.0765	0.122	J	0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766		
Benzo (g,h,i) perylene	NE	NE	NE	NE	< 0.0469	0.0469	< 0.0634	0.0634	< 0.0343	0.0343	< 0.0419	0.0419	< 0.0406	0.0406	< 0.194	RL1	0.194	< 0.0414	0.0414	< 0.0765	0.0765	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766			
Benzo (k) fluoranthene	29	1.5	NE	0.4	< 0.0469	0.0469	< 0.0634	0.0634	< 0.0343	0.0343	< 0.0419	0.0419	< 0.0406	0.0406	< 0.194	RL1	0.194	< 0.0414	0.0414	< 0.0773	J	0.0765	0.0765	0.0983	J	0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766			
4-Bromophenyl phenyl ether	NE	NE	NE	NE	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
Butyl benzyl phthalate	1200	280	NE	0.23	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
Carbazole	NE	NE	NE	NE	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
4-Chloro-3-methylphenol	82000	6200	NE	1.7	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
4-Chloroaniline	12	2.7	NE	0.00016	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
Bis(2-chloroethoxy)methane	2500	180	NE	0.013	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
Bis(2-chloroethyl)ether	1	0.23	NE	0.000036	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
Bis(2-chloroisopropyl)ether	22	4.9	NE	0.00013	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
2-Chloronaphthalene	93000	6300	NE	3.8	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
2-Chlorophenol	5800	390	NE	0.074	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
4-Chlorophenyl phenyl ether	NE	NE	NE	NE	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
Chrysene	290	15	NE	1.2	< 0.0469	0.0469	< 0.0634	0.0634	0.0457	J	0.0343	0.0431	J	0.0419	< 0.0406	0.0406	< 0.194	RL1	0.194	< 0.0414	0.0414	0.0803	J	0.0765	0.0765	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766			
Dibenz (a,h) anthracene	0.29	0.015	NE	0.013	< 0.0469	0.0469	< 0.0634	0.0634	< 0.0343	0.0343	< 0.0419	0.0419	< 0.0406	0.0406	< 0.194	RL1	0.194	< 0.0414	0.0414	< 0.0765	0.0765	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766	< 0.0766	0.0766			
Dibenzofuran	1000	72	NE	0.15	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
Di-n-butyl phthalate	82000	6200	NE	2.3	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
3,3-Dichlorobenzidine	5.1	1.2	NE	0.00081	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
2,4-Dichlorophenol	2500	180	NE	0.054	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
Diethyl phthalate	660000	49000	NE	6.1	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
2,4-Dimethylphenol	16000	1200	NE	0.42	< 0.265	0.265	< 0.358	0.358	< 0.194	0.194	< 0.236	0.236	< 0.229	0.229	< 1.10	RL1	1.10	< 0.234	0.234	< 0.432	0.432	< 0.432	0.432	< 0.432	0.432	< 0.432	0.432	< 0.432	0.432	< 0.432	0.432			
Dimethyl phthalate	NE	NE	NE	NE	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
4,6-Dinitro-2-methylphenol	66	4.9	NE	0.0026	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
2,4-Dinitrophenol	1600	120	NE	0.044	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
2,6-Dinitrotoluene	1.5	0.36	NE	0.000067	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.955	< 0.204	0.204	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376	< 0.376	0.376			
2,4-Dinitrotoluene	7.4	1.7	NE	0.00032	< 0.230	0.230	< 0.311	0.311	< 0.169	0.169	< 0.206	0.206	< 0.200	0.200	< 0.955	RL1	0.95																	

**Table 3**  
**Summary of Soil Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8270D	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWC2754-01 Tract 35 SB-7 (0-2) 03/21/2012			NWC2754-02 Tract 35 SB-7 (20-24) 03/21/2012			NWC0375-01 Tract 37 SB-1 (0-2) 02/29/2012			NWC0375-02 Tract 37 SB-1 (22-26) 02/29/2012			NWC0375-04 Tract 37 SB-2 (0-2) 02/29/2012			NWC0375-05 Tract 37 SB-2 (8-12) 02/29/2012			NWC0345-01 Tract 37 SB-3 (0-2) 03/01/2012			NWC0345-02 Tract 37 SB-3 (8-12) 03/01/2012					
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	45000	3500	NE	5.5	< 0.0922	0.0922	< 0.0465	0.0465	< 0.0448	0.0448	< 0.0463	0.0463	< 0.0389	0.0389	< 0.0409	0.0409	< 0.0407	0.0407	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397			
Acenaphthylene	NE	NE	NE	NE	< 0.0922	0.0922	< 0.0465	0.0465	< 0.0448	0.0448	< 0.0463	0.0463	< 0.0389	0.0389	< 0.0409	0.0409	< 0.0407	0.0407	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397			
Anthracene	230000	17000	NE	58	< 0.0922	0.0922	< 0.0465	0.0465	< 0.0448	0.0448	< 0.0463	0.0463	< 0.0389	0.0389	< 0.0409	0.0409	< 0.0407	0.0407	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397			
Benzo (a) anthracene	2.9	0.15	NE	0.012	< 0.0922	0.0922	< 0.0465	0.0465	< 0.0448	0.0448	< 0.0463	0.0463	< 0.0389	0.0389	< 0.0409	0.0409	< 0.0407	0.0407	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397			
Benzo (a) pyrene	0.29	0.015	0.24	0.004	< 0.0922	0.0922	< 0.0465	0.0465	< 0.0448	0.0448	< 0.0463	0.0463	< 0.0389	0.0389	< 0.0409	0.0409	< 0.0407	0.0407	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397			
Benzo (b) fluoranthene	2.9	0.15	NE	0.041	< 0.0922	0.0922	< 0.0465	0.0465	< 0.0448	0.0448	< 0.0463	0.0463	< 0.0389	0.0389	< 0.0409	0.0409	< 0.0407	0.0407	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397			
Benzo (g,h,i) perylene	NE	NE	NE	NE	< 0.0922	0.0922	< 0.0465	0.0465	< 0.0448	0.0448	< 0.0463	0.0463	< 0.0389	0.0389	< 0.0409	0.0409	< 0.0407	0.0407	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397			
Benzo (k) fluoranthene	29	1.5	NE	0.4	< 0.0922	0.0922	< 0.0465	0.0465	< 0.0448	0.0448	< 0.0463	0.0463	< 0.0389	0.0389	< 0.0409	0.0409	< 0.0407	0.0407	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397			
4-Bromophenyl phenyl ether	NE	NE	NE	NE	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
Butyl benzyl phthalate	1200	280	NE	0.23	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
Carbazole	NE	NE	NE	NE	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
4-Chloro-3-methylphenol	82000	6200	NE	1.7	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
4-Chloroaniline	12	2.7	NE	0.00016	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
Bis(2-chloroethoxy)methane	2500	180	NE	0.013	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
Bis(2-chloroethyl)ether	1	0.23	NE	0.000036	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
Bis(2-chloroisopropyl)ether	22	4.9	NE	0.00013	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
2-Chloronaphthalene	93000	6300	NE	3.8	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
2-Chlorophenol	5800	390	NE	0.074	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
4-Chlorophenyl phenyl ether	NE	NE	NE	NE	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
Chrysene	290	15	NE	1.2	< 0.0922	0.0922	< 0.0465	0.0465	< 0.0448	0.0448	< 0.0463	0.0463	< 0.0389	0.0389	< 0.0409	0.0409	< 0.0407	0.0407	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397			
Dibenz (a,h) anthracene	0.29	0.015	NE	0.013	< 0.0922	0.0922	< 0.0465	0.0465	< 0.0448	0.0448	< 0.0463	0.0463	< 0.0389	0.0389	< 0.0409	0.0409	< 0.0407	0.0407	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397	< 0.0397	0.0397			
Dibenzofuran	1000	72	NE	0.15	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
Di-n-butyl phthalate	82000	6200	NE	2.3	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
3,3-Dichlorobenzidine	5.1	1.2	NE	0.00081	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
2,4-Dichlorophenol	2500	180	NE	0.054	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
Diethyl phthalate	660000	49000	NE	6.1	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
2,4-Dimethylphenol	16000	1200	NE	0.42	< 0.521	0.521	< 0.263	0.263	< 0.253	0.253	< 0.262	0.262	< 0.220	0.220	< 0.231	0.231	< 0.230	0.230	< 0.224	0.224	< 0.224	0.224	< 0.224	0.224	< 0.224	0.224	< 0.224	0.224			
Dimethyl phthalate	NE	NE	NE	NE	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
4,6-Dinitro-2-methylphenol	66	4.9	NE	0.0026	< 0.453	L	0.453	< 0.228	L	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
2,4-Dinitrophenol	1600	120	NE	0.044	< 0.453	L	0.453	< 0.228	L	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
2,6-Dinitrotoluene	1.5	0.36	NE	0.000067	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
2,4-Dinitrotoluene	7.4	1.7	NE	0.00032	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
Di-n-octyl phthalate	8200	620	NE	57	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.453	0.453	< 0.228	0.228	< 0.220	0.220	< 0.228	0.228	< 0.191	0.191	< 0.201	0.201	< 0.200	0.200	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195	< 0.195	0.195			
Bis(2-ethylhexyl)phthalate	160	38	1.4	1.3	< 0.453	L	0.453	< 0.228	L	0.228	< 0.220	0.																			

**Table 3**  
**Summary of Soil Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8270D	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWA4535-04 Tract 40 SB-1 (0-2) 01/26/2012			NWA4535-05 Tract 40 SB-1 (4-8) 01/26/2012			NWA4733-01 Tract 44 SB-1 (0-2) 01/27/2012			NWA4733-02 Tract 44 SB-1 (6-10) 01/27/2012			NVL1571-01 Tract 45 SB-1 (0-2) 12/09/2011			NVL1571-02 Tract 45 SB-1 (14-18) 12/09/2011			NVL1567-04 Tract 57 SB-1 (0-2) 12/08/2011			NVL1567-05 Tract 57 SB-1 (6-10) 12/08/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	45000	3500	NE	5.5	< 0.0338	0.0338	< 0.0340	0.0340	< 0.0369	0.0369	< 0.0409	0.0409	< 0.0376	0.0376	< 0.0527	0.0527	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405
Acenaphthylene	NE	NE	NE	NE	< 0.0338	0.0338	< 0.0340	0.0340	< 0.0369	0.0369	< 0.0409	0.0409	< 0.0376	0.0376	< 0.0527	0.0527	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405
Anthracene	230000	17000	NE	58	< 0.0338	0.0338	< 0.0340	0.0340	< 0.0369	0.0369	< 0.0409	0.0409	< 0.0376	0.0376	< 0.0527	0.0527	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405
Benzo (a) anthracene	2.9	0.15	NE	0.012	< 0.0338	0.0338	< 0.0340	0.0340	< 0.0369	0.0369	< 0.0409	0.0409	< 0.0376	0.0376	< 0.0527	0.0527	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405
Benzo (a) pyrene	0.29	0.015	0.24	0.004	< 0.0338	0.0338	< 0.0340	0.0340	< 0.0369	0.0369	< 0.0409	0.0409	< 0.0376	0.0376	< 0.0527	0.0527	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405
Benzo (b) fluoranthene	2.9	0.15	NE	0.041	< 0.0338	0.0338	< 0.0340	0.0340	< 0.0369	0.0369	< 0.0409	0.0409	< 0.0376	0.0376	< 0.0527	0.0527	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405
Benzo (g,h,i) perylene	NE	NE	NE	NE	< 0.0338	0.0338	< 0.0340	0.0340	< 0.0369	0.0369	< 0.0409	0.0409	< 0.0376	0.0376	< 0.0527	0.0527	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405
Benzo (k) fluoranthene	29	1.5	NE	0.4	< 0.0338	0.0338	< 0.0340	0.0340	< 0.0369	0.0369	< 0.0409	0.0409	< 0.0376	0.0376	< 0.0527	0.0527	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405
4-Bromophenyl phenyl ether	NE	NE	NE	NE	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
Butyl benzyl phthalate	1200	280	NE	0.23	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
Carbazole	NE	NE	NE	NE	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
4-Chloro-3-methylphenol	82000	6200	NE	1.7	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
4-Chloroaniline	12	2.7	NE	0.00016	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
Bis(2-chloroethoxy)methane	2500	180	NE	0.013	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
Bis(2-chloroethyl)ether	1	0.23	NE	0.000036	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
Bis(2-chloroisopropyl)ether	22	4.9	NE	0.00013	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
2-Chloronaphthalene	93000	6300	NE	3.8	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
2-Chlorophenol	5800	390	NE	0.074	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
4-Chlorophenyl phenyl ether	NE	NE	NE	NE	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
Chrysene	290	15	NE	1.2	< 0.0338	0.0338	< 0.0340	0.0340	< 0.0369	0.0369	< 0.0409	0.0409	< 0.0376	0.0376	< 0.0527	0.0527	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405
Dibenz (a,h) anthracene	0.29	0.015	NE	0.013	< 0.0338	0.0338	< 0.0340	0.0340	< 0.0369	0.0369	< 0.0409	0.0409	< 0.0376	0.0376	< 0.0527	0.0527	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405	< 0.0388	0.0388	< 0.0405	0.0405
Dibenzofuran	1000	72	NE	0.15	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
Di-n-butyl phthalate	82000	6200	NE	2.3	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
3,3-Dichlorobenzidine	5.1	1.2	NE	0.00081	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
2,4-Dichlorophenol	2500	180	NE	0.054	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
Diethyl phthalate	660000	49000	NE	6.1	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
2,4-Dimethylphenol	16000	1200	NE	0.42	< 0.191	0.191	< 0.192	0.192	< 0.208	0.208	< 0.231	0.231	< 0.212	0.212	< 0.298	0.298	< 0.219	0.219	< 0.229	0.229	< 0.219	0.219	< 0.229	0.229	< 0.219	0.219	< 0.229	0.229
Dimethyl phthalate	NE	NE	NE	NE	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
4,6-Dinitro-2-methylphenol	66	4.9	NE	0.0026	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
2,4-Dinitrophenol	1600	120	NE	0.044	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
2,6-Dinitrotoluene	1.5	0.36	NE	0.000067	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
2,4-Dinitrotoluene	7.4	1.7	NE	0.00032	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
Di-n-octyl phthalate	8200	620	NE	57	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199	< 0.191	0.191	< 0.199	0.199
Bis(2-ethylhexyl)phthalate	160	38	1.4	1.3	< 0.166	0.166	< 0.167	0.167	< 0.181	0.181	< 0.201	0.201	< 0.185	0.185	< 0.259	0.259	< 0.191	0.191	< 0.199	0.199	< 0.191	0.						

**Table 3**  
**Summary of Soil Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8270D	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWC0345-04 Tract 62 SB-1 (0-2) 03/01/2012			NWC0345-05 Tract 62 SB-1 (8-12) 03/01/2012			NUK1797-01 Tract 67 SB-1 (0-2) 11/11/2011			NUK1797-02 Tract 67 SB-1 (28-32) 11/11/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	45000	3500	NE	5.5	< 0.0426	0.0426	< 0.0439	0.0439	< 0.0402	0.0402	< 0.0536	0.0536				
Acenaphthylene	NE	NE	NE	NE	< 0.0426	0.0426	< 0.0439	0.0439	0.425	0.0402	< 0.0536	0.0536				
Anthracene	230000	17000	NE	58	< 0.0426	0.0426	< 0.0439	0.0439	0.334	0.0402	< 0.0536	0.0536				
Benzo (a) anthracene	2.9	0.15	NE	0.012	< 0.0426	0.0426	< 0.0439	0.0439	0.772	0.0402	< 0.0536	0.0536				
Benzo (a) pyrene	0.29	0.015	0.24	0.004	< 0.0426	0.0426	< 0.0439	0.0439	0.880	0.0402	< 0.0536	0.0536				
Benzo (b) fluoranthene	2.9	0.15	NE	0.041	< 0.0426	0.0426	< 0.0439	0.0439	1.41	0.0402	< 0.0536	0.0536				
Benzo (g,h,i) perylene	NE	NE	NE	NE	< 0.0426	0.0426	< 0.0439	0.0439	0.418	0.0402	< 0.0536	0.0536				
Benzo (k) fluoranthene	29	1.5	NE	0.4	< 0.0426	0.0426	< 0.0439	0.0439	0.845	0.0402	< 0.0536	0.0536				
4-Bromophenyl phenyl ether	NE	NE	NE	NE	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Butyl benzyl phthalate	1200	280	NE	0.23	0.234	J	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263			
Carbazole	NE	NE	NE	NE	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
4-Chloro-3-methylphenol	82000	6200	NE	1.7	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
4-Chloroaniline	12	2.7	NE	0.00016	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Bis(2-chloroethoxy)methane	2500	180	NE	0.013	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Bis(2-chloroethyl)ether	1	0.23	NE	0.000036	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Bis(2-chloroisopropyl)ether	22	4.9	NE	0.00013	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
2-Chloronaphthalene	93000	6300	NE	3.8	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
2-Chlorophenol	5800	390	NE	0.074	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
4-Chlorophenyl phenyl ether	NE	NE	NE	NE	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Chrysene	290	15	NE	1.2	< 0.0426	0.0426	< 0.0439	0.0439	0.789	0.0402	< 0.0536	0.0536				
Dibenz (a,h) anthracene	0.29	0.015	NE	0.013	< 0.0426	0.0426	< 0.0439	0.0439	0.302	0.0402	< 0.0536	0.0536				
Dibenzofuran	1000	72	NE	0.15	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Di-n-butyl phthalate	82000	6200	NE	2.3	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
3,3-Dichlorobenzidine	5.1	1.2	NE	0.00081	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
2,4-Dichlorophenol	2500	180	NE	0.054	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Diethyl phthalate	660000	49000	NE	6.1	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
2,4-Dimethylphenol	16000	1200	NE	0.42	< 0.241	0.241	< 0.248	0.248	< 0.227	0.227	< 0.303	0.303				
Dimethyl phthalate	NE	NE	NE	NE	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
4,6-Dinitro-2-methylphenol	66	4.9	NE	0.0026	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
2,4-Dinitrophenol	1600	120	NE	0.044	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
2,6-Dinitrotoluene	1.5	0.36	NE	0.000067	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
2,4-Dinitrotoluene	7.4	1.7	NE	0.00032	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Di-n-octyl phthalate	8200	620	NE	57	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
1,2-Dichlorobenzene	9300	1800	0.58	0.3	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Bis(2-ethylhexyl)phthalate	160	38	1.4	1.3	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
1,3-Dichlorobenzene	NE	NE	NE	NE	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Fluoranthene	30000	2300	NE	89	< 0.0426	0.0426	< 0.0439	0.0439	1.04	0.0402	< 0.0536	0.0536				
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Fluorene	30000	2300	NE	5.4	< 0.0426	0.0426	< 0.0439	0.0439	< 0.0402	0.0402	< 0.0536	0.0536				
Hexachlorobenzene	1.4	0.33	0.013	0.00061	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Hexachlorobutadiene	30	6.8	NE	0.00057	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Hexachlorocyclopentadiene	4900	370	0.16	0.096	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Hexachloroethane	58	13	NE	0.00055	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Indeno (1,2,3-cd) pyrene	2.9	0.15	NE	0.24	< 0.0426	0.0426	< 0.0439	0.0439	0.412	0.0402	< 0.0536	0.0536				
Isophorone	2400	560	NE	0.026	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
2-Methylnaphthalene	3000	230	NE	0.19	< 0.0426	0.0426	< 0.0439	0.0439	0.0445	J	0.0402	< 0.0536	0.0536			
2-Methylphenol	41000	3100	NE	0.75	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
3/4-Methylphenol	NE	NE	NE	NE	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Naphthalene	17	3.8	NE	0.00054	< 0.0426	0.0426	< 0.0439	0.0439	< 0.0402	0.0402	< 0.0536	0.0536				
3-Nitroaniline	NE	NE	NE	NE	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
2-Nitroaniline	8000	610	NE	0.08	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
4-Nitroaniline	120	27	NE	0.0016	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Nitrobenzene	22	5.1	NE	0.000092	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
4-Nitrophenol	NE	NE	NE	NE	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
2-Nitrophenol	NE	NE	NE	NE	< 0.246	0.246	< 0.253	0.253	< 0.232	0.232	< 0.309	0.309				
N-Nitrosodiphenylamine	470	110	NE	0.066	< 0.230	0.230	< 0.236	0.236	< 0.216	0.216	< 0.288	0.288				
N-Nitrosodi-n-propylamine	0.33	0.076	NE	0.0000081	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Pentachlorophenol	4	0.99	0.01	0.0004	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Phenanthrene	NE	NE	NE	NE	< 0.0426	0.0426	< 0.0439	0.0439	0.106	0.0402	< 0.0536	0.0536				
Phenol	250000	18000	NE	3.3	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
Pyrene	23000	1700	NE	13	< 0.0426	0.0426	< 0.0439	0.0439	1.03	0.0402	< 0.0536	0.0536				
2,4,6-Trichlorophenol	210	48	NE	0.015	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
2,4,5-Trichlorophenol	82000	6200	NE	4.4	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	< 0.209	0.209	< 0.216	0.216	< 0.197	0.197	< 0.263	0.263				
1,2,4,5-Tetrachlorobenzene	250	18	NE	0.0079		NA		NA		NA		NA				
2,3,4,6-Tetrachlorophenol	25000	1800	NE	1.5		NA		NA		NA		NA				
Acetophenone	120000	7800	NE	0.58		NA		NA		NA		NA				
Atrazine	10	2.3	0.0019	0.00019		NA		NA		NA		NA				
Benzaldehyde	120000	7800	NE	0.43		NA		NA		NA		NA				
Biphenyl	200	47	NE	0.0087		NA		NA		NA		NA				
Caprolactam	400000	31000	NE	2.5		NA		NA		NA		NA				

**Table 3**

**Summary of Soil Analytical Data - Semi Volatile Organic Compounds  
Port Access Road; North Charleston, South Carolina  
S&ME Project Number 1131-08-554**

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in milligrams per kilogram.

Blue text indicates exceedance of screening level.

1. Industrial Screening Level for soil obtained from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table dated January 2015 (SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
2. Residential Screening Level for soil from the SL Table. Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
3. Soil Screening Level (SSL) for the protection of groundwater based on the maximum contaminant level (MCL) for drinking water (from the SL Table). The SSL-MCL, if listed, supercedes the SSL-Tap.
4. Soil Screening Level (SSL) for the protection of groundwater based on tap water (risk-based) screening level for drinking water (from the SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1 and a dilution attenuation factor of 1.

\*NE\* indicates specific screening level not listed.

\*NA\* indicates specific parameter not analyzed.

\*RL1\* qualifier indicates parameter reporting limit raised due to sample matrix effects.

\*L\* qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected. Data not impacted.

\*J\* qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

\*B\* qualifier indicates the compound was detected in the blank and sample.

\*\*\* qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate exceeds the control limits.

**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWB3949-01 Tract 1 SB-1 (0-2) 02/28/2012			NWB3949-02 Tract 1 SB-1 (36-40) 02/28/2012			NWB3949-04 Tract 1 SB-2 (0-2) 02/28/2012			NWB3949-05 Tract 1 SB-2 (50-54) 02/28/2012			490-66802-1 Tract 4 SB-1 (4-8) 11/18/2014		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	7730		11.0	<b>42000</b>		20.3	11900	11.6	<b>40400</b>	18.2	12900	14.7			
Antimony	470	31	0.27	0.35	< 5.49		5.49	< 10.2		10.2	< 5.78	5.78	< 9.10	9.10	< 1.47	1.47			
Arsenic	3	0.67	0.29	0.0015	<b>6.63</b>	B	0.549	<b>13.8</b>	B	1.02	<b>7.52</b>	B	0.578	<b>12.5</b>	B	0.910	<b>11.2</b>	1.32	
Barium	220000	15000	82	160	20.9		1.10	53.4		2.03	49.7	1.16	53.6	1.82	43.7	2.35			
Beryllium	2300	160	3.2	19	< 0.549		0.549	1.55	J	1.02	< 0.578	0.578	1.57	J	0.910	< 0.589	0.589		
Cadmium	980	70	0.38	0.69	< 0.549		0.549	< 1.02		1.02	< 0.578	0.578	< 0.910	0.910	<b>0.912</b>	J	0.147		
Calcium	NE	NE	NE	NE	15700		54.9	32700		102	7150	57.8	10300	91.0	90200	147			
Chromium	NE	NE	180000	NE	11.3		0.549	56.2		1.02	16.1	0.578	59.7	0.910	18.5	0.883			
Cobalt	350	23	NE	0.27	< 1.65		1.65	<b>10.3</b>		3.05	<b>1.80</b>	J	1.74	<b>10.4</b>	2.73	< 1.47	1.47		
Copper	47000	3100	46	28	2.15	J	1.10	6.71		2.03	7.15	1.16	8.30	1.82	11.6	1.47			
Iron	820000	55000	NE	350	<b>6040</b>	B	5.49	<b>37500</b>	B	10.2	<b>8500</b>	B	5.78	<b>33900</b>	B	9.10	<b>7940</b>	29.4	
Lead	800	400	14	NE	<b>17.9</b>		0.549	<b>15.2</b>		1.02	<b>38.4</b>	0.578	<b>16.6</b>	0.910	<b>69.7</b>	0.736			
Magnesium	NE	NE	NE	NE	701		54.9	8240		102	639	57.8	7310	91.0	442	147			
Manganese	26000	1800	NE	28	<b>53.1</b>		1.65	<b>448</b>		3.05	<b>61.2</b>	1.74	<b>302</b>	2.73	17.0	1.47			
Nickel	22000	1500	NE	26	2.33		1.10	17.1		2.03	4.07	1.16	17.9	1.82	2.30	J	0.883		
Potassium	NE	NE	NE	NE	504		54.9	4850		102	494	57.8	4280	91.0	506	147			
Selenium	5800	390	0.26	0.52	< 1.10		1.10	< 2.03		2.03	<b>1.41</b>	J	1.16	<b>1.86</b>	J	1.82	<b>1.88</b>	J	1.47
Silver	5800	390	NE	0.8	< 0.549		0.549	< 1.02		1.02	< 0.578	0.578	< 0.910	0.910	< 0.736	0.736			
Sodium	NE	NE	NE	NE	200	J	110	554		203	168	J	116	590	182	895	147		
Thallium	12	0.78	0.14	0.014	< 1.10		1.10	< 2.03		2.03	< 1.16	1.16	< 1.82	1.82	< 1.47	1.47			
Vanadium	5800	390	NE	86	14.0		5.49	67.4		10.2	16.1	5.78	65.6	9.10	22.9	2.94			
Zinc	350000	23000	NE	370	14.6		5.49	55.8		10.2	33.6	5.78	58.0	9.10	39.4	8.83			
Mercury	40	9.4	0.1	0.033	< 0.055		0.055	< 0.10		0.10	<b>0.18</b>	0.057	< 0.091	0.091	0.0440	J	0.0439		
Chromium (VI)	6.3	0.3	NE	0.00067		NA			NA			NA		NA		NA			

**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-66957-6 Tract 4 SB-2 (0-2) 11/20/2014			490-66957-7 Tract 4 SB-2 (40-44) 11/20/2014			490-66957-3 Tract 4A SB-1 (0-2) 11/20/2014			490-66957-4 Tract 4A SB-1 (32-36) 11/20/2014			490-66802-3 Tract 4B SB-1 (1-3) 11/19/2014		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	6650		11.5	16800		18.3	9800		11.8	9580		17.8	12700		12.1
Antimony	470	31	0.27	0.35	< 1.15		1.15	< 1.83		1.83	< 1.18		1.18	< 1.78		1.78	< 1.21		1.21
Arsenic	3	0.67	0.29	0.0015	6.79		1.04	2.08	J	1.65	9.49		1.06	8.84		1.60	2.68		1.09
Barium	220000	15000	82	160	15.4		1.85	94.2		2.92	21.0		1.88	48.5		2.85	31.2		1.93
Beryllium	2300	160	3.2	19	0.808	J	0.462	< 0.731		0.731	0.872	J	0.471	< 0.713		0.713	< 0.483		0.483
Cadmium	980	70	0.38	0.69	< 0.115		0.115	< 0.183		0.183	0.118	J	0.118	0.499	J	0.178	< 0.121		0.121
Calcium	NE	NE	NE	NE	21100		115	< 183		183	7810		118	2880		178	1190		121
Chromium	NE	NE	180000	NE	13.8		0.692	11.4		1.10	21.5		0.707	16.7		1.07	16.2		0.725
Cobalt	350	23	NE	0.27	4.20		1.15	2.56	J	1.83	4.92		1.18	< 1.78		1.78	< 1.21		1.21
Copper	47000	3100	46	28	2.26	J	1.15	6.87		1.83	3.18		1.18	11.4		1.78	< 1.21		1.21
Iron	820000	55000	NE	350	11800		23.1	15600		36.6	17200		23.6	8070		35.7	7490		24.2
Lead	800	400	14	NE	10.5		0.577	29.0		0.914	12.9		0.589	63.3		0.891	9.40		0.604
Magnesium	NE	NE	NE	NE	2980		115	3070		183	4000		118	580		178	694		121
Manganese	26000	1800	NE	28	173		1.15	160		1.83	162		1.18	72.7		1.78	19.4		1.21
Nickel	22000	1500	NE	26	5.93		0.692	4.24		1.10	7.73		0.707	4.10		1.07	2.66		0.725
Potassium	NE	NE	NE	NE	1890		115	4030		183	2220		118	< 178		178	406		121
Selenium	5800	390	0.26	0.52	< 1.15		1.15	< 1.83		1.83	< 1.18		1.18	< 1.78		1.78	< 1.21		1.21
Silver	5800	390	NE	0.8	< 0.577		0.577	< 0.914		0.914	< 0.589		0.589	< 0.891		0.891	< 0.604		0.604
Sodium	NE	NE	NE	NE	510		115	< 183		183	779		118	< 178		178	182	J	121
Thallium	12	0.78	0.14	0.014	< 1.15		1.15	< 1.83		1.83	< 1.18		1.18	< 1.78		1.78	< 1.21		1.21
Vanadium	5800	390	NE	86	10.0	J	2.31	30.1		3.66	19.5		2.36	17.5	J	3.57	14.9		2.42
Zinc	350000	23000	NE	370	24.9		6.92	41.4		11.0	28.1		7.07	40.3		10.7	8.87	J	7.25
Mercury	40	9.4	0.1	0.033	0.0474	J	0.0360	< 0.0544		0.0544	0.0524	J	0.0337	< 0.0526		0.0526	< 0.0349		0.0349
Chromium (VI)	6.3	0.3	NE	0.00067			NA			NA			NA			NA			NA

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**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-66802-4 Tract 4B SB-1 (18-22) 11/19/2014			490-66802-6 Tract 4C SB-1 (0-2) 11/19/2014			490-66957-1 Tract 4C SB-1 (42-46) 11/19/2014			490-67111-1 Tract 4D SB-1 (0-2) 11/21/2014			490-67111-2 Tract 4D SB-1 (6-10) 11/21/2014		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	23700		19.0	3260		11.2	15900		17.8	6980		11.4	1700		13.5
Antimony	470	31	0.27	0.35	< 1.90		1.90	< 1.12		1.12	< 1.78		1.78	<b>3.88</b>	J	1.14	< 1.35		1.35
Arsenic	3	0.67	0.29	0.0015	<b>12.4</b>		1.71	<b>3.71</b>		1.01	<b>5.90</b>		1.60	<b>8.16</b>		1.03	< 1.21		1.21
Barium	220000	15000	82	160	34.8		3.04	14.0		1.80	48.7		2.84	39.2		1.81	66.5		2.11
Beryllium	2300	160	3.2	19	1.29	J	0.759	< 0.449		0.449	< 0.711		0.711	0.456	J	0.456	< 0.538		0.538
Cadmium	980	70	0.38	0.69	< 0.190		0.190	< 0.112		0.112	< 0.178		0.178	<b>2.05</b>		0.114	< 0.135		0.135
Calcium	NE	NE	NE	NE	26500		190	590		112	1690		178	43400		114	323		135
Chromium	NE	NE	180000	NE	49.7		1.14	6.00		0.674	22.0		1.07	20.7		0.684	2.18		0.807
Cobalt	350	23	NE	0.27	<b>5.69</b>		1.90	< 1.12		1.12	<b>1.81</b>	J	1.78	< 1.14		1.14	< 1.35		1.35
Copper	47000	3100	46	28	5.81		1.90	3.30		1.12	5.01		1.78	12.5		1.14	< 1.35		1.35
Iron	820000	55000	NE	350	<b>31100</b>		37.9	<b>2500</b>		22.5	<b>13000</b>		35.6	<b>5980</b>		22.8	<b>1820</b>		26.9
Lead	800	400	14	NE	<b>16.9</b>		0.949	12.6		0.562	<b>65.4</b>		0.889	<b>138</b>	B	0.570	2.15	B	0.673
Magnesium	NE	NE	NE	NE	5630		190	183	J	112	867		178	387		114	< 135		135
Manganese	26000	1800	NE	28	<b>280</b>		1.90	<b>29.9</b>		1.12	<b>44.6</b>		1.78	<b>56.2</b>		1.14	16.4		1.35
Nickel	22000	1500	NE	26	12.9		1.14	1.57	J	0.674	5.33		1.07	3.37		0.684	< 0.807		0.807
Potassium	NE	NE	NE	NE	2860		190	< 112		112	336	J	178	381		114	< 135		135
Selenium	5800	390	0.26	0.52	<b>2.43</b>	J	1.90	< 1.12		1.12	< 1.78		1.78	< 1.14		1.14	< 1.35		1.35
Silver	5800	390	NE	0.8	<b>1.56</b>	J	0.949	< 0.562		0.562	< 0.889		0.889	< 0.570		0.570	< 0.673		0.673
Sodium	NE	NE	NE	NE	423		190	< 112		112	< 178		178	274	B	114	< 135		135
Thallium	12	0.78	0.14	0.014	< 1.90		1.90	< 1.12		1.12	< 1.78		1.78	< 1.14		1.14	< 1.35		1.35
Vanadium	5800	390	NE	86	54.2		3.79	7.93	J	2.25	27.9		3.56	22.6		2.28	3.12	J	2.69
Zinc	350000	23000	NE	370	50.9		11.4	10.8	J	6.74	47.6		10.7	47.8		6.84	< 8.07		8.07
Mercury	40	9.4	0.1	0.033	< 0.0591		0.0591	< 0.0337		0.0337	< 0.0523		0.0523	0.0853	J	0.0330	< 0.0408		0.0408
Chromium (VI)	6.3	0.3	NE	0.00067			NA			NA			NA			NA			NA



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**Port Access Road; North Charleston, South Carolina**  
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Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37637-1 Tract 6 SB-1 (0-2) 10/10/2013			490-37637-2 Tract 6 SB-1 (10-14) 10/10/2013			490-37637-4 Tract 6 SB-2 (0-2) 10/10/2013			490-37637-5 Tract 6 SB-2 (10-14) 10/10/2013			NVL1567-01 Tract 22 SB-1 (0-2) 12/08/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	6960		18.5	14300		214	4170		27.8	5560		21.0	9730		13.1
Antimony	470	31	0.27	0.35	< 1.62		1.62	< 18.7		18.7	< 2.43		2.43	< 1.83		1.83	< 6.54		6.54
Arsenic	3	0.67	0.29	0.0015	5.30		1.10	78.0		12.7	24.9		1.65	5.45		1.24	8.14		0.654
Barium	220000	15000	82	160	71.6		0.231	65.5		2.67	42.8		0.347	15.9		0.262	165		1.31
Beryllium	2300	160	3.2	19	0.301	J	0.116	2.14	J	1.34	0.243	J	0.174	0.262	J	0.131	< 0.654		0.654
Cadmium	980	70	0.38	0.69	0.162	J	0.116	< 1.34		1.34	0.243	J	0.174	< 0.131		0.131	< 0.654		0.654
Calcium	NE	NE	NE	NE	41200		50.9	11900		588	84100		76.4	677		57.6	19400		65.4
Chromium	NE	NE	180000	NE	20.7		0.347	27.5		4.01	62.5		0.521	16.1		0.393	36.5		0.654
Cobalt	350	23	NE	0.27	0.833	J	0.347	< 4.01		4.01	1.18	J	0.521	0.655	J	0.393	3.22	J	1.96
Copper	47000	3100	46	28	13.0		1.97	< 22.7		22.7	78.1		2.95	17.6		2.23	113		1.31
Iron	820000	55000	NE	350	6090	B *	1.73	70500		20.0	8390		2.61	6530		1.97	23800		6.54
Lead	800	400	14	NE	253		0.810	15.8		9.35	69.7		1.22	11.0		0.917	378		0.654
Magnesium	NE	NE	NE	NE	1040		15.0	2760		174	1130		22.6	741		17.0	1160		65.4
Manganese	26000	1800	NE	28	64.0		0.382	74.8	B	4.41	77.7	B	0.573	13.7	B	0.432	122		1.96
Nickel	22000	1500	NE	26	3.42		0.347	5.34	J	4.01	3.75		0.521	2.99		0.393	20.4		1.31
Potassium	NE	NE	NE	NE	314	B	23.1	1470	J B	267	261	J B	34.7	503	B	26.2	408		65.4
Selenium	5800	390	0.26	0.52	< 1.73		1.73	< 20.0		20.0	< 2.61		2.61	< 1.97		1.97	< 1.31		1.31
Silver	5800	390	NE	0.8	< 0.347		0.347	< 4.01		4.01	< 0.521		0.521	< 0.393		0.393	< 0.654		0.654
Sodium	NE	NE	NE	NE	104	J B	23.1	665	J B	267	180	J B	34.7	356	B	26.2	< 131		131
Thallium	12	0.78	0.14	0.014	< 1.39		1.39	< 16.0		16.0	< 2.08		2.08	< 1.57		1.57	< 1.31		1.31
Vanadium	5800	390	NE	86	12.7		3.59	51.6	J	41.4	14.1	J	5.38	8.72	J	4.06	17.6		6.54
Zinc	350000	23000	NE	370	72.6		1.16	22.4	J	13.4	248		1.74	70.7		1.31	229		6.54
Mercury	40	9.4	0.1	0.033	0.202		0.0341	0.240		0.0397	< 0.0527		0.0527	< 0.0403		0.0403	0.22		0.069
Chromium (VI)	6.3	0.3	NE	0.00067			NA			NA			NA			NA			NA

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**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NVL1567-02 Tract 22 SB-1 (4-8) 12/08/2011			NVL1390-01 Tract 24 SB-1 (0-2) 12/07/2011			NVL1390-02 Tract 24 SB-1 (2-6) 12/07/2011			NVL1390-04 Tract 24 SB-2 (0-2) 12/07/2011			NVL1390-05 Tract 24 SB-2 (10-14) 12/07/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	8330	12.7		5090	11.6		17400	12.5		895	10.7		4810	12.3	
Antimony	470	31	0.27	0.35	< 6.37	6.37		< 5.80	5.80		< 6.23	6.23		< 5.33	5.33		< 6.14	6.14	
Arsenic	3	0.67	0.29	0.0015	5.68	0.637		3.46	0.580		8.62	0.623		< 0.533	0.533		1.16	J	0.614
Barium	220000	15000	82	160	37.8	1.27		17.5	1.16		23.3	1.25		4.45	1.07		8.38		1.23
Beryllium	2300	160	3.2	19	< 0.637	0.637		< 0.580	0.580		< 0.623	0.623		< 0.533	0.533		< 0.614	0.614	
Cadmium	980	70	0.38	0.69	< 0.637	0.637		< 0.580	0.580		1.59	0.623		< 0.533	0.533		< 0.614	0.614	
Calcium	NE	NE	NE	NE	5320	63.7		3270	58.0		996	62.3		1320	53.3		251	61.4	
Chromium	NE	NE	180000	NE	17.4	0.637		6.50	0.580		21.2	0.623		1.90	0.533		7.47	0.614	
Cobalt	350	23	NE	0.27	< 1.91	1.91		< 1.74	1.74		< 1.87	1.87		< 1.60	1.60		< 1.84	1.84	
Copper	47000	3100	46	28	18.6	1.27		5.31	1.16		< 1.25	1.25		< 1.07	1.07		< 1.23	1.23	
Iron	820000	55000	NE	350	7350	6.37		3860	B B1 5.80		22500	B B1 6.23		674	B B1 5.33		2260	B B1 6.14	
Lead	800	400	14	NE	57.6	0.637		29.5	0.580		14.0	0.623		11.7	0.533		3.47	0.614	
Magnesium	NE	NE	NE	NE	462	63.7		221	58.0		698	62.3		< 53.3	53.3		253	61.4	
Manganese	26000	1800	NE	28	42.6	1.91		15.5	1.74		11.8	1.87		2.15	J 1.60		4.82	1.84	
Nickel	22000	1500	NE	26	4.03	1.27		1.30	J 1.16		1.94	J 1.25		< 1.07	1.07		< 1.23	1.23	
Potassium	NE	NE	NE	NE	250	63.7		180	58.0		521	62.3		< 53.3	53.3		180	61.4	
Selenium	5800	390	0.26	0.52	< 1.27	1.27		< 1.16	1.16		< 1.25	1.25		< 1.07	1.07		< 1.23	1.23	
Silver	5800	390	NE	0.8	< 0.637	0.637		< 0.580	0.580		< 0.623	0.623		< 0.533	0.533		< 0.614	0.614	
Sodium	NE	NE	NE	NE	< 127	127		< 116	116		159	J 125		< 107	107		< 123	123	
Thallium	12	0.78	0.14	0.014	< 1.27	1.27		< 1.16	1.16		< 1.25	1.25		< 1.07	1.07		< 1.23	1.23	
Vanadium	5800	390	NE	86	12.1	J 6.37		9.33	J 5.80		42.5	6.23		< 5.33	5.33		< 6.14	6.14	
Zinc	350000	23000	NE	370	38.6	6.37		54.1	5.80		12.3	J 6.23		5.39	J 5.33		< 6.14	6.14	
Mercury	40	9.4	0.1	0.033	< 0.065	0.065		< 0.058	0.058		< 0.062	0.062		< 0.053	0.053		< 0.062	0.062	
Chromium (VI)	6.3	0.3	NE	0.00067		NA			NA			NA			NA			NA	

**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWA4535-01 Tract 26 SB-1 (0-2) 01/26/2012			NWA4535-02 Tract 26 SB-1 (52-55) 01/26/2012			NUK1792-05 Tract 28 SB-1 (0-2) 11/10/2011			490-37157-1 Tract 29 SB-1 (0-2) 10/07/2013			490-37157-2 Tract 29 SB-1 (4-8) 10/07/2013		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	4320	MHA	10.0	1220		9.96	3080		12.0	3160		16.5	3210		17.5
Antimony	470	31	0.27	0.35	< 5.02		5.02	< 4.98		4.98	< 5.98		5.98	< 1.45		1.45	< 1.53		1.53
Arsenic	3	0.67	0.29	0.0015	<b>3.51</b>		0.502	<b>0.657</b>	J	0.498	<b>3.16</b>		0.598	<b>1.09</b>	J	0.981	< 1.04		1.04
Barium	220000	15000	82	160	33.0		1.00	9.06		0.996	25.8		1.20	8.36		0.206	17.8		0.219
Beryllium	2300	160	3.2	19	< 0.502		0.502	< 0.498		0.498	< 0.598		0.598	< 0.103		0.103	< 0.110		0.110
Cadmium	980	70	0.38	0.69	< 0.502		0.502	< 0.498		0.498	< 0.598		0.598	< 0.103		0.103	<b>1.07</b>	J	0.110
Calcium	NE	NE	NE	NE	7110	MHA	50.2	6170		49.8	2030		59.8	222		45.4	1970		48.2
Chromium	NE	NE	180000	NE	7.93		0.502	4.32		0.498	15.5		0.598	31.2		0.310	1490		1.64
Cobalt	350	23	NE	0.27	< 1.51		1.51	< 1.49		1.49	< 1.79		1.79	<b>0.475</b>	J	0.310	<b>4.03</b>		0.329
Copper	47000	3100	46	28	13.7		1.00	< 0.996		0.996	39.3		1.20	< 1.75		1.75	11.0		1.86
Iron	820000	55000	NE	350	<b>4660</b>	MHA	5.02	<b>1790</b>		4.98	<b>4730</b>	B	5.98	<b>1720</b>		1.55	<b>4970</b>	B	1.64
Lead	800	400	14	NE	<b>101</b>		0.502	0.916	J	0.498	<b>62.7</b>		0.598	3.90		0.723	<b>519</b>		0.767
Magnesium	NE	NE	NE	NE	320		50.2	183		49.8	287		59.8	665		13.4	25400		14.2
Manganese	26000	1800	NE	28	<b>28.9</b>		1.51	<b>34.1</b>		1.49	<b>33.6</b>		1.79	4.89		0.341	<b>261</b>		0.362
Nickel	22000	1500	NE	26	3.01		1.00	1.02	J	0.996	2.53		1.20	3.26		0.310	<b>118</b>		0.329
Potassium	NE	NE	NE	NE	144		50.2	102		49.8	106	J	59.8	156	J	20.6	276	B	21.9
Selenium	5800	390	0.26	0.52	< 1.00		1.00	< 0.996		0.996	< 1.20		1.20	< 1.55		1.55	< 1.64		1.64
Silver	5800	390	NE	0.8	< 0.502		0.502	< 0.498		0.498	< 0.598		0.598	< 0.310		0.310	< 0.329		0.329
Sodium	NE	NE	NE	NE	< 100		100	143	J	99.6	< 120		120	66.7	J B	20.6	147	J B	21.9
Thallium	12	0.78	0.14	0.014	< 1.00		1.00	< 0.996		0.996	< 1.20		1.20	< 1.24		1.24	< 1.32		1.32
Vanadium	5800	390	NE	86	13.7		5.02	< 4.98		4.98	8.39	J	5.98	6.28	J	3.20	22.6		3.40
Zinc	350000	23000	NE	370	45.4		5.02	5.30	J	4.98	35.3		5.98	14.3	B	1.03	<b>411</b>		1.10
Mercury	40	9.4	0.1	0.033	0.050	J	0.049	< 0.049		0.049	0.092	J	0.061	< 0.0307		0.0307	0.0346	J	0.0331
Chromium (VI)	6.3	0.3	NE	0.00067			NA			NA			NA	<b>0.904</b>	J	0.279	<b>0.656</b>	J	0.322

**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37270-1 Tract 29 SB-2 (0-2) 10/08/2013			490-37270-2 Tract 29 SB-2 (4-8) 10/08/2013			490-37270-6 Tract 33 SB-1 (0-2) 10/08/2013			490-37270-7 Tract 33 SB-1 (4-8) 10/08/2013			490-37411-1 Tract 33 SB-2 (0-2) 10/09/2013		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	2500		18.9	15600		19.2	12500		17.3	9040		18.2	4160		172
Antimony	470	31	0.27	0.35	< 1.66		1.66	< 1.68		1.68	< 1.51		1.51	< 1.59		1.59	< 15.1		15.1
Arsenic	3	0.67	0.29	0.0015	1.33	J	1.12	1.61	J	1.14	3.61		1.03	3.05		1.08	27.1		10.2
Barium	220000	15000	82	160	15.1		0.237	15.8		0.240	29.2		0.216	29.6		0.228	55.1		2.15
Beryllium	2300	160	3.2	19	< 0.118		0.118	0.192	J	0.120	0.195	J	0.108	0.273	J	0.114	< 1.08		1.08
Cadmium	980	70	0.38	0.69	0.592	J	0.118	0.960	J	0.120	1.34		0.108	1.18		0.114	20.9		1.08
Calcium	NE	NE	NE	NE	1810		52.1	83.3	J	52.8	370		47.6	420		50.1	2180		474
Chromium	NE	NE	180000	NE	1290		1.77	18.0		0.360	14.1		0.324	10.2		0.342	51.4		3.23
Cobalt	350	23	NE	0.27	5.18		0.355	< 0.360		0.360	0.778	J	0.324	1.02	J	0.342	4.30	J	3.23
Copper	47000	3100	46	28	9.16		2.01	< 2.04		2.04	< 1.84		1.84	< 1.94		1.94	113		18.3
Iron	820000	55000	NE	350	4000	B	1.77	7970	B	1.80	11600	B	1.62	10400	B	1.71	187000		16.1
Lead	800	400	14	NE	18.6		0.828	11.8		0.840	8.56		0.757	5.97		0.797	49.5		7.53
Magnesium	NE	NE	NE	NE	22200		15.4	396		15.6	638		14.1	761		14.8	635	J	140
Manganese	26000	1800	NE	28	182	B	0.390	5.01	B	0.396	22.1	B	0.357	23.9	B	0.376	808		3.55
Nickel	22000	1500	NE	26	98.8		0.355	1.34	J	0.360	3.33		0.324	2.57		0.342	57.9		3.23
Potassium	NE	NE	NE	NE	119	J	23.7	222	J	24.0	218		21.6	253		22.8	< 215		215
Selenium	5800	390	0.26	0.52	< 1.77		1.77	< 1.80		1.80	< 1.62		1.62	< 1.71		1.71	< 16.1		16.1
Silver	5800	390	NE	0.8	< 0.355		0.355	< 0.360		0.360	< 0.324		0.324	< 0.342		0.342	< 3.23		3.23
Sodium	NE	NE	NE	NE	54.4	J	23.7	256		24.0	31.1	J	21.6	31.8	J	22.8	< 215		215
Thallium	12	0.78	0.14	0.014	< 1.42		1.42	< 1.44		1.44	< 1.30		1.30	< 1.37		1.37	< 12.9		12.9
Vanadium	5800	390	NE	86	14.4		3.67	12.6		3.72	21.5		3.35	12.9		3.53	< 33.4		33.4
Zinc	350000	23000	NE	370	68.1		1.18	2.98	J	1.20	6.18	J	1.08	6.67	J	1.14	188		10.8
Mercury	40	9.4	0.1	0.033	0.0808	J	0.0358	< 0.0365		0.0365	0.0879	J	0.0338	< 0.0333		0.0333	0.0343	J	0.0326
Chromium (VI)	6.3	0.3	NE	0.00067	< 0.334		0.334	< 0.343		0.343	0.639	J	0.303	0.804	J	0.307	< 0.334		0.334

**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37411-2 Tract 33 SB-2 (10-14) 10/09/2013			490-37411-6 Tract 33 SB-3 (0-2) 10/09/2013			490-37411-7 Tract 33 SB-3 (14-18) 10/09/2013			490-37639-1 Tract 33 SB-4 (0-2) 10/11/2013			490-37639-2 Tract 33 SB-4 (22-26) 10/11/2013		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	5940		20.1	8460		18.5	7870		45.8	9800		18.1	6850		21.8
Antimony	470	31	0.27	0.35	< 1.76		1.76	1.83	J	1.62	< 4.01		4.01	< 1.58		1.58	< 1.91		1.91
Arsenic	3	0.67	0.29	0.0015	1.36	J	1.19	2.06	J	1.10	11.5		2.72	2.87		1.07	6.91		1.29
Barium	220000	15000	82	160	13.5		0.251	97.6		0.232	14.0		0.572	41.5		0.226	21.0		0.272
Beryllium	2300	160	3.2	19	0.126	J	0.126	0.463	J	0.116	1.20	J	0.286	0.271	J	0.113	0.762	J	0.136
Cadmium	980	70	0.38	0.69	0.452	J	0.126	0.162	J	0.116	0.458	J	0.286	0.226	J	0.113	< 0.136		0.136
Calcium	NE	NE	NE	NE	1020		55.3	9470		51.0	3650		126	2020		49.7	32300		59.9
Chromium	NE	NE	180000	NE	11.5		0.377	12.3		0.347	23.2		0.859	108		0.339	17.8		0.408
Cobalt	350	23	NE	0.27	0.779	J	0.377	1.53	J	0.347	5.15	J	0.859	1.47	J	0.339	5.42		0.408
Copper	47000	3100	46	28	< 2.14		2.14	21.7		1.97	6.58		4.87	13.8		1.92	2.89		2.31
Iron	820000	55000	NE	350	5380	B	1.89	9440	B *	1.74	23800	B *	4.29	9900		1.70	13000		2.04
Lead	800	400	14	NE	3.04		0.880	61.6		0.811	12.0		2.00	49.0		0.791	10.4		0.953
Magnesium	NE	NE	NE	NE	587		16.3	1350		15.1	5840		37.2	1630		14.7	2790		17.7
Manganese	26000	1800	NE	28	11.5		0.415	126		0.382	170		0.945	99.1	B	0.373	136	B	0.449
Nickel	22000	1500	NE	26	1.94	J	0.377	4.59		0.347	9.05		0.859	9.68		0.339	6.89		0.408
Potassium	NE	NE	NE	NE	267	B	25.1	435	B	23.2	2360	B	57.2	359	B	22.6	1390	B	27.2
Selenium	5800	390	0.26	0.52	< 1.89		1.89	< 1.74		1.74	< 4.29		4.29	< 1.70		1.70	< 2.04		2.04
Silver	5800	390	NE	0.8	< 0.377		0.377	< 0.347		0.347	< 0.859		0.859	< 0.339		0.339	< 0.408		0.408
Sodium	NE	NE	NE	NE	99.8	J B	25.1	758	B	23.2	9640	B	57.2	120	J B	22.6	829	B	27.2
Thallium	12	0.78	0.14	0.014	< 1.51		1.51	< 1.39		1.39	< 3.43		3.43	< 1.36		1.36	< 1.63		1.63
Vanadium	5800	390	NE	86	9.75	J	3.90	14.9		3.59	35.0		8.87	16.9		3.50	18.6		4.22
Zinc	350000	23000	NE	370	9.53	J	1.26	52.9		1.16	33.9		2.86	82.1		1.13	25.3		1.36
Mercury	40	9.4	0.1	0.033	0.0516	J	0.0373	0.141		0.0345	< 0.0840		0.0840	0.0733	J	0.0336	< 0.0423		0.0423
Chromium (VI)	6.3	0.3	NE	0.00067	< 0.331		0.331	< 0.346		0.346	< 0.810		0.810	< 2.97		2.97	< 0.393		0.393

**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NUK1675-01 Tract 35 SB-1 (0-2) 11/09/2011			NUK1675-02 Tract 35 SB-1 (12-16) 11/08/2011			NUK1675-04 Tract 35 SB-2 (0-2) 11/09/2011			NUK1675-05 Tract 35 SB-2 (24-28) 11/09/2011			NUK1675-07 Tract 35 SB-3 (0-2) 11/09/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	2470	16.9	4070	20.3	2480	14.1	4160	18.3	1840	10.1					
Antimony	470	31	0.27	0.35	< 8.46	8.46	< 10.2	10.2	< 7.03	7.03	< 9.16	9.16	< 5.07	5.07					
Arsenic	3	0.67	0.29	0.0015	5.82	0.846	16.0	1.02	6.24	0.703	10.5	0.916	5.12	0.507					
Barium	220000	15000	82	160	5.58	1.69	7.89	2.03	24.2	1.41	10.3	1.83	18.9	1.01					
Beryllium	2300	160	3.2	19	< 0.846	0.846	< 1.02	1.02	< 0.703	0.703	< 0.916	0.916	< 0.507	0.507					
Cadmium	980	70	0.38	0.69	< 0.846	0.846	< 1.02	1.02	< 0.703	0.703	< 0.916	0.916	< 0.507	0.507					
Calcium	NE	NE	NE	NE	354000	846	2430	102	56700	70.3	5940	91.6	16400	50.7					
Chromium	NE	NE	180000	NE	43.3	0.846	15.5	1.02	10.2	0.703	12.0	0.916	12.6	0.507					
Cobalt	350	23	NE	0.27	< 2.54	2.54	3.78	J	3.05	< 2.11	2.11	3.92	J	2.75	< 1.52	1.52			
Copper	47000	3100	46	28	8.02	1.69	5.70	2.03	35.3	1.41	4.83	1.83	67.7	1.01					
Iron	820000	55000	NE	350	3550	B1 B	8.46	15400	B1 B	10.2	4140	B1 B	7.03	15900	B1 B	9.16	5290	B1 B	5.07
Lead	800	400	14	NE	< 0.846	0.846	11.6	1.02	41.3	0.703	10.5	0.916	49.8	0.507					
Magnesium	NE	NE	NE	NE	5180	84.6	4660	102	1770	70.3	4480	91.6	951	50.7					
Manganese	26000	1800	NE	28	29.1	2.54	123	3.05	79.6	2.11	298	2.75	48.8	1.52					
Nickel	22000	1500	NE	26	24.5	1.69	6.75	2.03	6.72	1.41	6.37	1.83	8.57	1.01					
Potassium	NE	NE	NE	NE	758	84.6	2550	102	533	70.3	2660	91.6	336	50.7					
Selenium	5800	390	0.26	0.52	< 1.69	1.69	< 2.03	2.03	< 1.41	1.41	< 1.83	1.83	< 1.01	1.01					
Silver	5800	390	NE	0.8	< 0.846	0.846	< 1.02	1.02	< 0.703	0.703	< 0.916	0.916	< 0.507	0.507					
Sodium	NE	NE	NE	NE	3610	169	12900	203	2120	141	12200	183	1560	101					
Thallium	12	0.78	0.14	0.014	< 1.69	1.69	< 2.03	2.03	< 1.41	1.41	< 1.83	1.83	< 1.01	1.01					
Vanadium	5800	390	NE	86	19.1	8.46	29.2	10.2	11.9	J	7.03	14.8	J	9.16	8.53	J	5.07		
Zinc	350000	23000	NE	370	45.8	8.46	27.8	10.2	73.0	7.03	27.2	9.16	165	5.07					
Mercury	40	9.4	0.1	0.033	< 0.086	0.086	< 0.10	0.10	< 0.067	0.067	< 0.093	0.093	< 0.052	0.052					
Chromium (VI)	6.3	0.3	NE	0.00067	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					

**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NUK1675-09 Tract 35 SB-4 (0-2) 11/09/2011			NUK1675-10 Tract 35 SB-4 (10-14) 11/09/2011			NUK1792-02 Tract 35 SB-5 (0-2) 11/10/2011			NUK1792-03 Tract 35 SB-5 (4-8) 11/10/2011			NWC2604-01 Tract 35 SB-6 (0-2) 03/20/2012		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	2410	12.4	1820	12.1	4540	MHA	11.7	2280	11.9	8410	MHA	22.2			
Antimony	470	31	0.27	0.35	< 6.19	6.19	< 6.06	6.06	< 5.83	5.83	< 5.96	5.96	< 11.1	11.1					
Arsenic	3	0.67	0.29	0.0015	1.64	0.619	0.727	J	0.606	17.0	M8	0.583	1.31	0.596	9.91	1.11			
Barium	220000	15000	82	160	99.0	1.24	5.67	1.21	25.4		1.17	20.0	1.19	21.9		2.22			
Beryllium	2300	160	3.2	19	< 0.619	0.619	< 0.606	0.606	< 0.583	0.583	< 0.596	0.596	6.58	1.11					
Cadmium	980	70	0.38	0.69	< 0.619	0.619	< 0.606	0.606	< 0.583	0.583	< 0.596	0.596	< 1.11	1.11					
Calcium	NE	NE	NE	NE	7290	61.9	674	60.6	56400	MHA	58.3	1060	59.6	182000	MHA	111			
Chromium	NE	NE	180000	NE	4.71	0.619	1.79	0.606	14.4		0.583	2.07	0.596	46.9		1.11			
Cobalt	350	23	NE	0.27	< 1.86	1.86	< 1.82	1.82	< 1.75	1.75	< 1.79	1.79	< 3.33	3.33					
Copper	47000	3100	46	28	18.0	1.24	< 1.21	1.21	7.93		1.17	< 1.19	1.19	1700	M8	11.1			
Iron	820000	55000	NE	350	3590	B1 B	6.19	2050	B1 B	6.06	15400	B MHA	5.83	2190	B	5.96	13300	B MHA	11.1
Lead	800	400	14	NE	224	0.619	1.38	0.606	19.7		0.583	4.60	0.596	27.7		1.11			
Magnesium	NE	NE	NE	NE	288	61.9	155	60.6	1920		58.3	187	59.6	8800		111			
Manganese	26000	1800	NE	28	19.3	1.86	6.25	1.82	67.7		1.75	11.1	1.79	155		3.33			
Nickel	22000	1500	NE	26	3.15	1.24	< 1.21	1.21	9.56		1.17	< 1.19	1.19	19.1		2.22			
Potassium	NE	NE	NE	NE	138	61.9	134	60.6	309		58.3	97.5	J	59.6	1360	111			
Selenium	5800	390	0.26	0.52	< 1.24	1.24	< 1.21	1.21	< 1.17	1.17	< 1.19	1.19	< 2.22	2.22					
Silver	5800	390	NE	0.8	< 0.619	0.619	< 0.606	0.606	< 0.583	0.583	< 0.596	0.596	< 1.11	1.11					
Sodium	NE	NE	NE	NE	< 124	124	< 121	121	353		117	< 119	119	7970	M8	222			
Thallium	12	0.78	0.14	0.014	< 1.24	1.24	< 1.21	1.21	< 1.17	M8	1.17	< 1.19	1.19	< 2.22	2.22				
Vanadium	5800	390	NE	86	9.59	J	6.19	< 6.06	6.06	23.9		5.83	< 5.96	5.96	33.3	11.1			
Zinc	350000	23000	NE	370	348	6.19	< 6.06	6.06	44.0		5.83	< 5.96	5.96	89.9		11.1			
Mercury	40	9.4	0.1	0.033	0.11	J	0.062	< 0.060	0.060	0.088	J	0.058	< 0.059	0.059	1.5	0.11			
Chromium (VI)	6.3	0.3	NE	0.00067		NA		NA		NA		NA		NA		< 2.31	2.31		

**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWC2604-02 Tract 35 SB-6 (6-10) 03/20/2012			NWC2754-01 Tract 35 SB-7 (0-2) 03/21/2012			NWC2754-02 Tract 35 SB-7 (20-24) 03/21/2012			NWC0375-01 Tract 37 SB-1 (0-2) 02/29/2012			NWC0375-02 Tract 37 SB-1 (22-26) 02/29/2012		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	14100	23.2		12400	MHA	27.4	2720	13.6	18100	MHA	13.1	15500	13.9		
Antimony	470	31	0.27	0.35	< 11.6	11.6	< 13.7		13.7	< 6.80	6.80	< 6.53		6.53	< 6.95	6.95			
Arsenic	3	0.67	0.29	0.0015	17.2	1.16	20.0		1.37	6.34	0.680	4.65		0.653	3.53	0.695			
Barium	220000	15000	82	160	24.2	2.32	33.8		2.74	7.83	1.36	33.9		1.31	40.3	1.39			
Beryllium	2300	160	3.2	19	< 1.16	1.16	< 1.37		1.37	< 0.680	0.680	< 0.653		0.653	0.695	J	0.695		
Cadmium	980	70	0.38	0.69	< 1.16	1.16	< 1.37		1.37	< 0.680	0.680	< 0.653		0.653	0.834	J	0.695		
Calcium	NE	NE	NE	NE	16000	116	95800	B MHA	137	67900	B	68.0	1440		65.3	19300	69.5		
Chromium	NE	NE	180000	NE	30.1	1.16	39.8		1.37	29.0	0.680	24.0		0.653	39.6	0.695			
Cobalt	350	23	NE	0.27	4.92	J	3.48	5.37	J	4.11	< 2.04	2.04	< 1.96		1.96	2.23	J	2.09	
Copper	47000	3100	46	28	26.3	2.32	18.8		2.74	5.71	1.36	< 1.31		1.31	3.06	1.39			
Iron	820000	55000	NE	350	28500	B	11.6	25600	MHA	13.7	3930	6.80	16600	B MHA	6.53	13700	B	6.95	
Lead	800	400	14	NE	46.4	1.16	33.9		1.37	2.04	0.680	10.1		0.653	7.20	0.695			
Magnesium	NE	NE	NE	NE	5020	116	8650	M7	137	1980	68.0	1260		65.3	1740	69.5			
Manganese	26000	1800	NE	28	446	3.48	314		4.11	71.0	2.04	43.2		1.96	125	2.09			
Nickel	22000	1500	NE	26	10.5	2.32	19.0		2.74	17.4	1.36	5.33		1.31	12.0	1.39			
Potassium	NE	NE	NE	NE	2280	116	2800		137	677	68.0	623		65.3	1140	69.5			
Selenium	5800	390	0.26	0.52	< 2.32	2.32	< 2.74		2.74	1.79	J	1.36	< 1.31		1.31	< 1.39	1.39		
Silver	5800	390	NE	0.8	< 1.16	1.16	< 1.37		1.37	< 0.680	0.680	< 0.653		0.653	< 0.695	0.695			
Sodium	NE	NE	NE	NE	7420	232	11600	M8	274	3470	136	< 131		131	436	139			
Thallium	12	0.78	0.14	0.014	< 2.32	2.32	< 2.74		2.74	< 1.36	1.36	< 1.31		1.31	< 1.39	1.39			
Vanadium	5800	390	NE	86	55.2	11.6	45.4		13.7	15.7	6.80	31.5		6.53	37.5	6.95			
Zinc	350000	23000	NE	370	109	11.6	88.7		13.7	31.7	6.80	18.1		6.53	45.2	6.95			
Mercury	40	9.4	0.1	0.033	0.80	0.11	0.38	M8	0.13	< 0.068	0.068	< 0.065		0.065	< 0.069	0.069			
Chromium (VI)	6.3	0.3	NE	0.00067	< 2.31	2.31	< 2.79		2.79	< 1.39	1.39	NA		NA	NA	NA			



**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWC0375-04 Tract 37 SB-2 (0-2) 02/29/2012			NWC0375-05 Tract 37 SB-2 (8-12) 02/29/2012			NWC0345-01 Tract 37 SB-3 (0-2) 03/01/2012			NWC0345-02 Tract 37 SB-3 (8-12) 03/01/2012		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	4740		11.5	14000		11.6	7550	MHA	12.2	12400		11.6
Antimony	470	31	0.27	0.35	< 5.75		5.75	< 5.78		5.78	< 6.10		6.10	< 5.80		5.80
Arsenic	3	0.67	0.29	0.0015	<b>4.28</b>		0.575	<b>3.91</b>		0.578	<b>2.95</b>		0.610	<b>3.66</b>		0.580
Barium	220000	15000	82	160	40.4		1.15	22.2		1.16	32.3		1.22	24.5		1.16
Beryllium	2300	160	3.2	19	< 0.575		0.575	< 0.578		0.578	< 0.610		0.610	< 0.580		0.580
Cadmium	980	70	0.38	0.69	<b>1.03</b>	J	0.575	< 0.578		0.578	< 0.610		0.610	< 0.580		0.580
Calcium	NE	NE	NE	NE	3390		57.5	2870		57.8	4620	MHA	61.0	738		58.0
Chromium	NE	NE	180000	NE	8.60		0.575	23.3		0.578	11.0		0.610	15.2		0.580
Cobalt	350	23	NE	0.27	< 1.72		1.72	< 1.73		1.73	<b>1.88</b>	J	1.83	<b>1.74</b>	J	1.74
Copper	47000	3100	46	28	11.8		1.15	< 1.16		1.16	3.05		1.22	< 1.16		1.16
Iron	820000	55000	NE	350	<b>5130</b>	B	5.75	<b>15400</b>	B	5.78	<b>7480</b>	B MHA	6.10	<b>8070</b>	B	5.80
Lead	800	400	14	NE	<b>23.1</b>		0.575	7.19		0.578	9.69		0.610	5.38		0.580
Magnesium	NE	NE	NE	NE	455		57.5	953		57.8	715		61.0	605		58.0
Manganese	26000	1800	NE	28	<b>66.8</b>		1.72	22.8		1.73	<b>56.2</b>	B	1.83	20.3	B	1.74
Nickel	22000	1500	NE	26	3.59		1.15	3.75		1.16	3.39		1.22	5.24		1.16
Potassium	NE	NE	NE	NE	189		57.5	1040		57.8	336		61.0	269		58.0
Selenium	5800	390	0.26	0.52	< 1.15		1.15	< 1.16		1.16	< 1.22		1.22	< 1.16		1.16
Silver	5800	390	NE	0.8	< 0.575		0.575	< 0.578		0.578	< 0.610		0.610	< 0.580		0.580
Sodium	NE	NE	NE	NE	< 115		115	816		116	< 122		122	< 116		116
Thallium	12	0.78	0.14	0.014	< 1.15		1.15	< 1.16		1.16	< 1.22		1.22	< 1.16		1.16
Vanadium	5800	390	NE	86	8.23	J	5.75	24.8		5.78	14.7		6.10	15.4		5.80
Zinc	350000	23000	NE	370	108		5.75	22.9		5.78	17.9		6.10	10.3	J	5.80
Mercury	40	9.4	0.1	0.033	0.067	J	0.059	< 0.060		0.060	0.061	J	0.059	< 0.058		0.058
Chromium (VI)	6.3	0.3	NE	0.00067			NA			NA			NA			NA

**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWA4535-04 Tract 40 SB-1 (0-2) 01/26/2012			NWA4535-05 Tract 40 SB-1 (4-8) 01/26/2012			NWA4733-01 Tract 44 SB-1 (0-2) 01/27/2012			NWA4733-02 Tract 44 SB-1 (6-10) 01/27/2012		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	12700	10.0		6530	9.75		7680	10.4		2320	11.8	
Antimony	470	31	0.27	0.35	< 5.01	5.01		< 4.87	4.87		< 5.20	5.20		< 5.88	5.88	
Arsenic	3	0.67	0.29	0.0015	4.09	0.501		2.46	0.487		2.10	0.520		8.21	0.588	
Barium	220000	15000	82	160	22.3	1.00		41.2	0.975		15.4	1.04		25.7	1.18	
Beryllium	2300	160	3.2	19	< 0.501	0.501		< 0.487	0.487		< 0.520	0.520		< 0.588	0.588	
Cadmium	980	70	0.38	0.69	< 0.501	0.501		< 0.487	0.487		< 0.520	0.520		< 0.588	0.588	
Calcium	NE	NE	NE	NE	861	50.1		285	48.7		3030	52.0		1350	58.8	
Chromium	NE	NE	180000	NE	11.0	0.501		12.3	0.487		8.82	0.520		12.7	0.588	
Cobalt	350	23	NE	0.27	< 1.50	1.50		< 1.46	1.46		< 1.56	1.56		< 1.76	1.76	
Copper	47000	3100	46	28	< 1.00	1.00		1.42	J 0.975		< 1.04	1.04		1.81	J 1.18	
Iron	820000	55000	NE	350	11900	5.01		7180	4.87		5750	5.20		7110	5.88	
Lead	800	400	14	NE	7.49	0.501		4.27	0.487		4.64	0.520		3.29	0.588	
Magnesium	NE	NE	NE	NE	618	50.1		553	48.7		405	52.0		178	58.8	
Manganese	26000	1800	NE	28	26.0	1.50		17.1	1.46		12.6	1.56		9.26	1.76	
Nickel	22000	1500	NE	26	3.15	1.00		2.48	0.975		1.73	J 1.04		1.46	J 1.18	
Potassium	NE	NE	NE	NE	286	50.1		293	48.7		177	52.0		158	58.8	
Selenium	5800	390	0.26	0.52	< 1.00	1.00		< 0.975	0.975		< 1.04	1.04		< 1.18	1.18	
Silver	5800	390	NE	0.8	< 0.501	0.501		< 0.487	0.487		< 0.520	0.520		< 0.588	0.588	
Sodium	NE	NE	NE	NE	< 100	100		< 97.5	97.5		< 104	104		< 118	118	
Thallium	12	0.78	0.14	0.014	< 1.00	1.00		< 0.975	0.975		< 1.04	1.04		< 1.18	1.18	
Vanadium	5800	390	NE	86	17.8	5.01		15.8	4.87		10.6	5.20		10.5	J 5.88	
Zinc	350000	23000	NE	370	8.90	J 5.01		9.36	J 4.87		8.62	J 5.20		7.45	J 5.88	
Mercury	40	9.4	0.1	0.033	< 0.050	0.050		< 0.048	0.048		< 0.053	0.053		< 0.058	0.058	
Chromium (VI)	6.3	0.3	NE	0.00067		NA			NA			NA			NA	

**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NVL1571-01 Tract 45 SB-1 (0-2) 12/09/2011			NVL1571-02 Tract 45 SB-1 (14-18) 12/09/2011			NVL1567-04 Tract 57 SB-1 (0-2) 12/08/2011			NVL1567-05 Tract 57 SB-1 (6-10) 12/08/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	10500	10.8	14200	15.1	6540	11.3	5110	11.5				
Antimony	470	31	0.27	0.35	< 5.38	5.38	< 7.57	7.57	< 5.63	5.63	< 5.76	5.76				
Arsenic	3	0.67	0.29	0.0015	4.65	0.538	13.1	0.757	2.14	0.563	1.54	0.576				
Barium	220000	15000	82	160	24.8	1.08	31.8	1.51	33.7	1.13	12.3	1.15				
Beryllium	2300	160	3.2	19	< 0.538	0.538	< 0.757	0.757	< 0.563	0.563	< 0.576	0.576				
Cadmium	980	70	0.38	0.69	< 0.538	0.538	< 0.757	0.757	< 0.563	0.563	< 0.576	0.576				
Calcium	NE	NE	NE	NE	971	53.8	68900	75.7	823	56.3	154	57.6				
Chromium	NE	NE	180000	NE	9.02	0.538	22.3	0.757	9.58	0.563	9.65	0.576				
Cobalt	350	23	NE	0.27	< 1.62	1.62	4.21	J 2.27	< 1.69	1.69	< 1.73	1.73				
Copper	47000	3100	46	28	6.16	1.08	2.42	J 1.51	9.12	1.13	< 1.15	1.15				
Iron	820000	55000	NE	350	5650	5.38	17700	7.57	3810	5.63	4730	5.76				
Lead	800	400	14	NE	57.1	0.538	7.76	0.757	32.8	0.563	3.06	0.576				
Magnesium	NE	NE	NE	NE	406	53.8	3710	75.7	329	56.3	387	57.6				
Manganese	26000	1800	NE	28	42.6	1.62	191	2.27	33.9	1.69	11.1	1.73				
Nickel	22000	1500	NE	26	2.86	1.08	5.54	1.51	2.64	1.13	1.38	J 1.15				
Potassium	NE	NE	NE	NE	275	53.8	1450	75.7	131	56.3	239	57.6				
Selenium	5800	390	0.26	0.52	< 1.08	1.08	< 1.51	1.51	< 1.13	1.13	< 1.15	1.15				
Silver	5800	390	NE	0.8	< 0.538	0.538	< 0.757	0.757	< 0.563	0.563	< 0.576	0.576				
Sodium	NE	NE	NE	NE	< 108	108	820	151	< 113	113	< 115	115				
Thallium	12	0.78	0.14	0.014	< 1.08	1.08	< 1.51	1.51	< 1.13	1.13	< 1.15	1.15				
Vanadium	5800	390	NE	86	12.8	5.38	31.5	7.57	8.76	J 5.63	10.5	J 5.76				
Zinc	350000	23000	NE	370	18.0	5.38	25.8	7.57	33.3	5.63	8.38	J 5.76				
Mercury	40	9.4	0.1	0.033	0.060	J 0.055	< 0.079	0.079	< 0.057	0.057	0.19	0.060				
Chromium (VI)	6.3	0.3	NE	0.00067		NA		NA		NA		NA				

**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWC0345-04 Tract 62 SB-1 (0-2) 03/01/2012			NWC0345-05 Tract 62 SB-1 (8-12) 03/01/2012			NUK1797-01 Tract 67 SB-1 (0-2) 11/11/2011			NUK1797-02 Tract 67 SB-1 (28-32) 11/11/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	5820		12.2	3430		12.9	2720		11.7	2930		16.2
Antimony	470	31	0.27	0.35	< 6.10		6.10	< 6.44		6.44	< 5.84		5.84	< 8.08		8.08
Arsenic	3	0.67	0.29	0.0015	5.62		0.610	9.47		0.644	58.0		0.584	9.25		0.808
Barium	220000	15000	82	160	39.3		1.22	13.6		1.29	74.0		1.17	10.1		1.62
Beryllium	2300	160	3.2	19	< 0.610		0.610	1.80		0.644	< 0.584		0.584	< 0.808		0.808
Cadmium	980	70	0.38	0.69	< 0.610		0.610	< 0.644		0.644	0.701	J	0.584	< 0.808		0.808
Calcium	NE	NE	NE	NE	1290		61.0	775		64.4	20700		58.4	23400		80.8
Chromium	NE	NE	180000	NE	8.50		0.610	7.95		0.644	13.4		0.584	8.08		0.808
Cobalt	350	23	NE	0.27	< 1.83		1.83	3.35	J	1.93	< 1.75		1.75	3.40	J	2.43
Copper	47000	3100	46	28	16.2		1.22	< 1.29		1.29	58.4		1.17	4.72		1.62
Iron	820000	55000	NE	350	3600	B	6.10	11600	B	6.44	9120	B	5.84	12100	B	8.08
Lead	800	400	14	NE	33.2		0.610	2.65		0.644	178		0.584	8.12		0.808
Magnesium	NE	NE	NE	NE	287		61.0	532		64.4	1300		58.4	2570		80.8
Manganese	26000	1800	NE	28	130	B	1.83	32.9	B	1.93	112		1.75	210		2.43
Nickel	22000	1500	NE	26	3.44		1.22	5.51		1.29	4.96		1.17	4.46		1.62
Potassium	NE	NE	NE	NE	157		61.0	292		64.4	725		58.4	941		80.8
Selenium	5800	390	0.26	0.52	< 1.22		1.22	< 1.29		1.29	< 1.17		1.17	< 1.62		1.62
Silver	5800	390	NE	0.8	< 0.610		0.610	< 0.644		0.644	< 0.584		0.584	< 0.808		0.808
Sodium	NE	NE	NE	NE	< 122		122	< 129		129	< 117		117	294	J	162
Thallium	12	0.78	0.14	0.014	< 1.22		1.22	< 1.29		1.29	< 1.17		1.17	< 1.62		1.62
Vanadium	5800	390	NE	86	7.72	J	6.10	11.7	J	6.44	14.4		5.84	8.70	J	8.08
Zinc	350000	23000	NE	370	26.0		6.10	41.3		6.44	110		5.84	21.7		8.08
Mercury	40	9.4	0.1	0.033	0.14		0.061	< 0.063		0.063	0.11	J	0.059	< 0.080		0.080
Chromium (VI)	6.3	0.3	NE	0.00067			NA			NA			NA			NA

**Table 4**  
**Summary of Soil Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in milligrams per kilogram.

Blue text indicates exceedance of screening level.

1. Industrial Screening Level for soil obtained from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table dated January 2015 (SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
2. Residential Screening Level for soil from the SL Table. Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
3. Soil Screening Level (SSL) for the protection of groundwater based on the maximum contaminant level (MCL) for drinking water (from the SL Table). The SSL-MCL, if listed, supercedes the SSL-Tap.
4. Soil Screening Level (SSL) for the protection of groundwater based on tap water (risk-based) screening level for drinking water (from the SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1 and a dilution attenuation factor of 1.

"NE" indicates specific screening level not listed.

"NA" indicates specific parameter not analyzed.

"MHA" qualifier indicates the Matrix Spike/Matrix Spike Duplicate calculation does not provide useful spike recovery information due to high levels of analyte in the sample.

"J" qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

"M8" qualifier indicates the Matrix Spike and/or Matrix Spike Duplicate were below the acceptance limits.

"B" qualifier indicates the compound was detected in the blank and sample.

\*\*\* qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate exceeds the control limits.

"B1" qualifier indicates parameter was detected in the associated Method Blank and the parameter concentration in the sample is greater than 10 times the concentration found in the Method Blank.

"M7" qualifier indicates the Matrix Spike and/or Matrix Spike Duplicate were above the acceptance limits.

**Table 5**  
**Summary of Soil Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8082A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-66802-1 Tract 4 SB-1 (4-8) 11/18/2014			490-66957-6 Tract 4 SB-2 (0-2) 11/20/2014			490-66957-7 Tract 4 SB-2 (40-44) 11/20/2014			490-66957-3 Tract 4A SB-1 (0-2) 11/20/2014			490-66957-4 Tract 4A SB-1 (32-36) 11/20/2014		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	30	4	0.078	0.11	< 0.0150	0.0150	< 0.00997	*	0.00997	< 0.00998	*	0.00998	< 0.00991	*	0.00991	< 0.00998	*	0.00998	
PCB-1221	0.66	0.15	0.078	0.000079	< 0.0150	0.0150	< 0.00997		0.00997	< 0.00998		0.00998	< 0.00991		0.00991	< 0.00998		0.00998	
PCB-1232	0.66	0.15	0.078	0.000079	< 0.0300	0.0300	< 0.0199		0.0199	< 0.0200		0.0200	< 0.0198		0.0198	< 0.0200		0.0200	
PCB-1242	1	0.24	0.078	0.0061	< 0.0150	0.0150	< 0.00997		0.00997	< 0.00998		0.00998	< 0.00991		0.00991	< 0.00998		0.00998	
PCB-1248	1	0.24	0.078	0.006	< 0.0150	0.0150	< 0.00997		0.00997	< 0.00998		0.00998	< 0.00991		0.00991	< 0.00998		0.00998	
PCB-1254	1	0.24	0.078	0.01	< 0.0150	0.0150	< 0.00997		0.00997	< 0.00998		0.00998	< 0.00991		0.00991	< 0.00998		0.00998	
PCB-1260	1	0.24	0.078	0.027	< 0.0150	0.0150	< 0.00997		0.00997	< 0.00998		0.00998	< 0.00991		0.00991	< 0.00998		0.00998	

**Table 5**  
**Summary of Soil Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8082A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-66802-3 Tract 4B SB-1 (1-3) 11/19/2014		490-66802-4 Tract 4B SB-1 (18-22) 11/19/2014		490-66802-6 Tract 4C SB-1 (0-2) 11/19/2014		490-66957-1 Tract 4C SB-1 (42-46) 11/19/2014		490-67111-1 Tract 4D SB-1 (0-2) 11/21/2014		490-67111-2 Tract 4D SB-1 (6-10) 11/21/2014				
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	30	4	0.078	0.11	< 0.0119	0.0119	< 0.0192	0.0192	< 0.0111	0.0111	< 0.0107	*	0.0107	< 0.0113	*	0.0113	< 0.0131	*	0.0131
PCB-1221	0.66	0.15	0.078	0.000079	< 0.0119	0.0119	< 0.0192	0.0192	< 0.0111	0.0111	< 0.0107		0.0107	< 0.0113		0.0113	< 0.0131		0.0131
PCB-1232	0.66	0.15	0.078	0.000079	< 0.0238	0.0238	< 0.0385	0.0385	< 0.0223	0.0223	< 0.0215		0.0215	< 0.0226		0.0226	< 0.0262		0.0262
PCB-1242	1	0.24	0.078	0.0061	< 0.0119	0.0119	< 0.0192	0.0192	< 0.0111	0.0111	< 0.0107		0.0107	< 0.0113		0.0113	< 0.0131		0.0131
PCB-1248	1	0.24	0.078	0.006	< 0.0119	0.0119	< 0.0192	0.0192	< 0.0111	0.0111	< 0.0107		0.0107	< 0.0113		0.0113	< 0.0131		0.0131
PCB-1254	1	0.24	0.078	0.01	< 0.0119	0.0119	< 0.0192	0.0192	< 0.0111	0.0111	< 0.0107		0.0107	< 0.0113		0.0113	< 0.0131		0.0131
PCB-1260	1	0.24	0.078	0.027	< 0.0119	0.0119	< 0.0192	0.0192	< 0.0111	0.0111	< 0.0107		0.0107	< 0.0113		0.0113	< 0.0131		0.0131

**Table 5**  
**Summary of Soil Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8082A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37637-1 Tract 6 SB-1 (0-2) 10/10/2013			490-37637-2 Tract 6 SB-1 (10-14) 10/10/2013			490-37637-4 Tract 6 SB-2 (0-2) 10/10/2013			490-37637-5 Tract 6 SB-2 (10-14) 10/10/2013			NVL1390-01 Tract 24 SB-1 (0-2) 12/07/2011			NVL1390-02 Tract 24 SB-1 (2-6) 12/07/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	30	4	0.078	0.11	< 0.0117	0.0117	< 0.0132	0.0132	< 0.0180	0.0180	< 0.0134	0.0134	< 0.0254	0.0254	< 0.0260	0.0260						
PCB-1221	0.66	0.15	0.078	0.000079	< 0.0117	0.0117	< 0.0132	0.0132	< 0.0180	0.0180	< 0.0134	0.0134	< 0.0133	0.0133	< 0.0136	0.0136						
PCB-1232	0.66	0.15	0.078	0.000079	< 0.0233	0.0233	< 0.0265	0.0265	< 0.0360	0.0360	< 0.0267	0.0267	< 0.0193	0.0193	< 0.0198	0.0198						
PCB-1242	1	0.24	0.078	0.0061	< 0.0117	0.0117	< 0.0132	0.0132	< 0.0180	0.0180	< 0.0134	0.0134	< 0.0314	0.0314	< 0.0322	0.0322						
PCB-1248	1	0.24	0.078	0.006	< 0.0117	0.0117	< 0.0132	0.0132	< 0.0180	0.0180	< 0.0134	0.0134	< 0.0362	0.0362	< 0.0372	0.0372						
PCB-1254	1	0.24	0.078	0.01	< 0.0117	0.0117	< 0.0132	0.0132	< 0.0180	0.0180	< 0.0134	0.0134	< 0.0133	0.0133	< 0.0136	0.0136						
PCB-1260	1	0.24	0.078	0.027	< 0.0117	0.0117	< 0.0132	0.0132	< 0.0180	0.0180	< 0.0134	0.0134	< 0.0338	0.0338	< 0.0347	0.0347						



**Table 5**  
**Summary of Soil Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8082A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NVL1390-04 Tract 24 SB-2 (0-2) 12/07/2011			NVL1390-05 Tract 24 SB-2 (10-14) 12/07/2011			NWA4535-01 Tract 26 SB-1 (0-2) 01/26/2012			NWA4535-02 Tract 26 SB-1 (52-55) 01/26/2012			NUK1792-05 Tract 28 SB-1 (0-2) 11/10/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	30	4	0.078	0.11	< 0.0223	0.0223	< 0.0255	0.0255	< 0.0206	0.0206	< 0.0208	0.0208	< 0.0253	0.0253					
PCB-1221	0.66	0.15	0.078	0.000079	< 0.0117	0.0117	< 0.0134	0.0134	< 0.0108	0.0108	< 0.0109	0.0109	< 0.0133	0.0133					
PCB-1232	0.66	0.15	0.078	0.000079	< 0.0170	0.0170	< 0.0194	0.0194	< 0.0157	0.0157	< 0.0158	0.0158	< 0.0193	0.0193					
PCB-1242	1	0.24	0.078	0.0061	0.0471	0.0276	< 0.0316	0.0316	< 0.0255	0.0255	< 0.0258	0.0258	< 0.0314	0.0314					
PCB-1248	1	0.24	0.078	0.006	< 0.0319	0.0319	< 0.0364	0.0364	< 0.0294	0.0294	< 0.0297	0.0297	< 0.0362	0.0362					
PCB-1254	1	0.24	0.078	0.01	< 0.0117	0.0117	< 0.0134	0.0134	< 0.0108	0.0108	< 0.0109	0.0109	< 0.0133	0.0133					
PCB-1260	1	0.24	0.078	0.027	< 0.0297	0.0297	< 0.0340	0.0340	< 0.0275	0.0275	< 0.0277	0.0277	< 0.0338	0.0338					

**Table 5**  
**Summary of Soil Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8082A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37157-1 Tract 29 SB-1 (0-2) 10/07/2013			490-37157-2 Tract 29 SB-1 (4-8) 10/07/2013			490-37270-1 Tract 29 SB-2 (0-2) 10/08/2013			490-37270-2 Tract 29 SB-2 (4-8) 10/08/2013			490-37270-6 Tract 33 SB-1 (0-2) 10/08/2013			490-37270-7 Tract 33 SB-1 (4-8) 10/08/2013		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	30	4	0.078	0.11	< 0.00986	0.00986	< 0.00990	0.00990	< 0.0116	0.0116	< 0.0122	0.0122	< 0.0112	0.0112	< 0.0114	0.0114	< 0.0114	0.0114				
PCB-1221	0.66	0.15	0.078	0.000079	< 0.00986	0.00986	< 0.00990	0.00990	< 0.0116	0.0116	< 0.0122	0.0122	< 0.0112	0.0112	< 0.0114	0.0114	< 0.0114	0.0114				
PCB-1232	0.66	0.15	0.078	0.000079	< 0.0197	0.0197	< 0.0198	0.0198	< 0.0233	0.0233	< 0.0244	0.0244	< 0.0224	0.0224	< 0.0228	0.0228	< 0.0228	0.0228				
PCB-1242	1	0.24	0.078	0.0061	< 0.00986	0.00986	< 0.00990	0.00990	< 0.0116	0.0116	< 0.0122	0.0122	< 0.0112	0.0112	< 0.0114	0.0114	< 0.0114	0.0114				
PCB-1248	1	0.24	0.078	0.006	< 0.00986	0.00986	< 0.00990	0.00990	< 0.0116	0.0116	< 0.0122	0.0122	< 0.0112	0.0112	< 0.0114	0.0114	< 0.0114	0.0114				
PCB-1254	1	0.24	0.078	0.01	< 0.00986	0.00986	< 0.00990	0.00990	< 0.0116	0.0116	< 0.0122	0.0122	< 0.0112	0.0112	< 0.0114	0.0114	< 0.0114	0.0114				
PCB-1260	1	0.24	0.078	0.027	< 0.00986	0.00986	< 0.00990	0.00990	< 0.0116	0.0116	< 0.0122	0.0122	< 0.0112	0.0112	< 0.0114	0.0114	< 0.0114	0.0114				

**Table 5**  
**Summary of Soil Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8082A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37411-1 Tract 33 SB-2 (0-2) 10/09/2013			490-37411-2 Tract 33 SB-2 (10-14) 10/09/2013			490-37411-6 Tract 33 SB-3 (0-2) 10/09/2013			490-37411-7 Tract 33 SB-3 (14-18) 10/09/2013			490-37639-1 Tract 33 SB-4 (0-2) 10/11/2013			490-37639-2 Tract 33 SB-4 (22-26) 10/11/2013		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	30	4	0.078	0.11	< 0.0111	0.0111	< 0.0122	0.0122	< 0.0115	0.0115	< 0.0278	0.0278	< 0.0112	0.0112	< 0.0139	0.0139						
PCB-1221	0.66	0.15	0.078	0.000079	< 0.0111	0.0111	< 0.0122	0.0122	< 0.0115	0.0115	< 0.0278	0.0278	< 0.0112	0.0112	< 0.0139	0.0139						
PCB-1232	0.66	0.15	0.078	0.000079	< 0.0222	0.0222	< 0.0245	0.0245	< 0.0231	0.0231	< 0.0556	0.0556	< 0.0224	0.0224	< 0.0279	0.0279						
PCB-1242	1	0.24	0.078	0.0061	< 0.0111	0.0111	< 0.0122	0.0122	< 0.0115	0.0115	< 0.0278	0.0278	< 0.0112	0.0112	< 0.0139	0.0139						
PCB-1248	1	0.24	0.078	0.006	< 0.0111	0.0111	< 0.0122	0.0122	0.0535	0.0115	< 0.0278	0.0278	< 0.0112	0.0112	< 0.0139	0.0139						
PCB-1254	1	0.24	0.078	0.01	< 0.0111	0.0111	< 0.0122	0.0122	< 0.0115	0.0115	< 0.0278	0.0278	< 0.0112	0.0112	< 0.0139	0.0139						
PCB-1260	1	0.24	0.078	0.027	< 0.0111	0.0111	< 0.0122	0.0122	< 0.0115	0.0115	< 0.0278	0.0278	< 0.0112	0.0112	< 0.0139	0.0139						

**Table 5**  
**Summary of Soil Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8082A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NUK1675-01 Tract 35 SB-1 (0-2) 11/09/2011			NUK1675-02 Tract 35 SB-1 (12-16) 11/08/2011			NUK1675-04 Tract 35 SB-2 (0-2) 11/09/2011			NUK1675-05 Tract 35 SB-2 (24-28) 11/09/2011			NUK1675-07 Tract 35 SB-3 (0-2) 11/09/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	30	4	0.078	0.11	< 0.0366	0.0366	< 0.0426	0.0426	< 0.0293	0.0293	< 0.0390	0.0390	< 0.0212	0.0212					
PCB-1221	0.66	0.15	0.078	0.000079	< 0.0192	0.0192	< 0.0223	0.0223	< 0.0153	0.0153	< 0.0204	0.0204	< 0.0111	0.0111					
PCB-1232	0.66	0.15	0.078	0.000079	< 0.0279	0.0279	< 0.0325	0.0325	< 0.0223	0.0223	< 0.0297	0.0297	< 0.0162	0.0162					
PCB-1242	1	0.24	0.078	0.0061	< 0.0454	0.0454	< 0.0528	0.0528	0.0632	0.0362	< 0.0483	0.0483	< 0.0263	0.0263					
PCB-1248	1	0.24	0.078	0.006	< 0.0524	0.0524	< 0.0609	0.0609	< 0.0418	0.0418	< 0.0557	0.0557	< 0.0303	0.0303					
PCB-1254	1	0.24	0.078	0.01	< 0.0192	0.0192	< 0.0223	0.0223	< 0.0153	0.0153	< 0.0204	0.0204	< 0.0111	0.0111					
PCB-1260	1	0.24	0.078	0.027	< 0.0489	0.0489	< 0.0568	0.0568	0.0516	0.0390	< 0.0520	0.0520	<b>0.172</b>	0.0283					

**Table 5**  
**Summary of Soil Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8082A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NUK1675-09 Tract 35 SB-4 (0-2) 11/09/2011			NUK1675-10 Tract 35 SB-4 (10-14) 11/09/2011			NUK1792-02 Tract 35 SB-5 (0-2) 11/10/2011			NUK1792-03 Tract 35 SB-5 (4-8) 11/10/2011			NWC2604-01 Tract 35 SB-6 (0-2) 03/20/2012			NWC2604-02 Tract 35 SB-6 (6-10) 03/20/2012		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	30	4	0.078	0.11	< 0.0258		0.0258	< 0.0256		0.0256	< 0.0239		0.0239	< 0.0252		0.0252	< 0.0483		0.0483	< 0.0480		0.0480
PCB-1221	0.66	0.15	0.078	0.000079	< 0.0135		0.0135	< 0.0134		0.0134	< 0.0125		0.0125	< 0.0132		0.0132	< 0.0253		0.0253	< 0.0252		0.0252
PCB-1232	0.66	0.15	0.078	0.000079	< 0.0197		0.0197	< 0.0195		0.0195	< 0.0182		0.0182	< 0.0192		0.0192	< 0.0368		0.0368	< 0.0366		0.0366
PCB-1242	1	0.24	0.078	0.0061	< 0.0319		0.0319	< 0.0317		0.0317	< 0.0296		0.0296	< 0.0312		0.0312	< 0.0598		0.0598	< 0.0595		0.0595
PCB-1248	1	0.24	0.078	0.006	< 0.0369		0.0369	< 0.0366		0.0366	< 0.0341		0.0341	< 0.0361		0.0361	< 0.0690		0.0690	< 0.0686		0.0686
PCB-1254	1	0.24	0.078	0.01	< 0.0135		0.0135	< 0.0134		0.0134	< 0.0125		0.0125	< 0.0132		0.0132	< 0.0253		0.0253	< 0.0252		0.0252
PCB-1260	1	0.24	0.078	0.027	0.0369	J	0.0344	< 0.0342		0.0342	< 0.0319		0.0319	< 0.0336		0.0336	< 0.0644		0.0644	< 0.0640		0.0640

**Table 5**  
**Summary of Soil Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8082A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWC2754-01 Tract 35 SB-7 (0-2) 03/21/2012			NWC2754-02 Tract 35 SB-7 (20-24) 03/21/2012			NWA4535-04 Tract 40 SB-1 (0-2) 01/26/2012			NWA4535-05 Tract 40 SB-1 (4-8) 01/26/2012			NWA4733-01 Tract 44 SB-1 (0-2) 01/27/2012			NWA4733-02 Tract 44 SB-1 (6-10) 01/27/2012		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	30	4	0.078	0.11	< 0.0573	0.0573	< 0.0286	0.0286	< 0.0207	0.0207	< 0.0207	0.0207	< 0.0225	0.0225	< 0.0248	0.0248						
PCB-1221	0.66	0.15	0.078	0.000079	< 0.0300	0.0300	< 0.0150	0.0150	< 0.0108	0.0108	< 0.0108	0.0108	< 0.0118	0.0118	< 0.0130	0.0130						
PCB-1232	0.66	0.15	0.078	0.000079	< 0.0437	0.0437	< 0.0218	0.0218	< 0.0158	0.0158	< 0.0158	0.0158	< 0.0172	0.0172	< 0.0189	0.0189						
PCB-1242	1	0.24	0.078	0.0061	< 0.0710	0.0710	< 0.0354	0.0354	< 0.0256	0.0256	< 0.0256	0.0256	< 0.0279	0.0279	< 0.0307	0.0307						
PCB-1248	1	0.24	0.078	0.006	< 0.0819	0.0819	< 0.0409	0.0409	< 0.0296	0.0296	< 0.0295	0.0295	< 0.0322	0.0322	< 0.0354	0.0354						
PCB-1254	1	0.24	0.078	0.01	< 0.0300	0.0300	< 0.0150	0.0150	< 0.0108	0.0108	< 0.0108	0.0108	< 0.0118	0.0118	< 0.0130	0.0130						
PCB-1260	1	0.24	0.078	0.027	< 0.0764	0.0764	< 0.0381	0.0381	< 0.0276	0.0276	< 0.0276	0.0276	< 0.0301	0.0301	< 0.0330	0.0330						

**Table 5**  
**Summary of Soil Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in milligrams per kilogram.

Blue text indicates exceedance of screening level.

1. Industrial Screening Level for soil obtained from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table dated January 2015 (SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
2. Residential Screening Level for soil from the SL Table. Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
3. Soil Screening Level (SSL) for the protection of groundwater based on the maximum contaminant level (MCL) for drinking water (from the SL Table). The SSL-MCL is based on the MCL for Total PCBs. The SSL-MCL, if listed, supercedes the SSL-Tap.
4. Soil Screening Level (SSL) for the protection of groundwater based on tap water (risk-based) screening level for drinking water (from the SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1 and a dilution attenuation factor of 1.

"NE" indicates specific screening level not listed.

"J" qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

\*\*\* qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate exceeds the control limits.

**Table 6**  
**Summary of Soil Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8081B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-66802-1 Tract 4 SB-1 (4-8) 11/18/2014			490-66957-6 Tract 4 SB-2 (0-2) 11/20/2014			490-66957-7 Tract 4 SB-2 (40-44) 11/20/2014			490-66957-3 Tract 4A SB-1 (0-2) 11/20/2014			490-66957-4 Tract 4A SB-1 (32-36) 11/20/2014		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	0.14	0.031	NE	0.00075	< 0.000456	0.000456	< 0.000309	0.000309	< 0.000309	0.000309	< 0.000307	0.000307	< 0.000309	0.000309	< 0.000309	0.000309			
alpha-BHC	0.37	0.085	NE	0.00041	< 0.000294	0.000294	< 0.000199	0.000199	< 0.000200	0.000200	< 0.000198	0.000198	< 0.000200	0.000200	< 0.000200	0.000200			
beta-BHC	1.3	0.3	NE	0.00014	< 0.000294	0.000294	< 0.000199	0.000199	< 0.000200	0.000200	< 0.000198	0.000198	< 0.000200	0.000200	< 0.000200	0.000200			
delta-BHC	NE	NE	NE	NE	< 0.000559	0.000559	< 0.000379	0.000379	< 0.000379	0.000379	< 0.000377	0.000377	< 0.000379	0.000379	< 0.000379	0.000379			
gamma-BHC (Lindane)	2.5	0.56	0.0012	0.00024	< 0.000574	0.000574	< 0.000389	0.000389	< 0.000389	0.000389	< 0.000387	0.000387	< 0.000389	0.000389	< 0.000389	0.000389			
alpha-Chlordane	NE	NE	NE	NE	< 0.000633	0.000633	< 0.000429	0.000429	< 0.000429	0.000429	< 0.000426	0.000426	< 0.000429	0.000429	< 0.000429	0.000429			
gamma-Chlordane	NE	NE	NE	NE	< 0.00116	0.00116	< 0.000788	0.000788	< 0.000789	0.000789	< 0.000783	0.000783	< 0.000788	0.000788	< 0.000788	0.000788			
Chlordane (technical)	8	1.8	0.14	0.015	< 0.0534	0.0534	< 0.0362	0.0362	< 0.0362	0.0362	< 0.0360	0.0360	< 0.0362	0.0362	< 0.0362	0.0362			
4,4'-DDD	9.6	2.2	NE	0.0072	< 0.000633	0.000633	< 0.000429	0.000429	< 0.000429	0.000429	< 0.000426	0.000426	< 0.000429	0.000429	< 0.000429	0.000429			
4,4'-DDE	6.8	1.6	NE	0.054	< 0.000736	0.000736	< 0.000499	0.000499	< 0.000499	0.000499	< 0.000496	0.000496	< 0.000499	0.000499	< 0.000499	0.000499			
4,4'-DDT	8.6	1.9	NE	0.077	< 0.00125	0.00125	< 0.000848	0.000848	< 0.000849	0.000849	< 0.000842	0.000842	< 0.000848	0.000848	< 0.000848	0.000848			
Dieldrin	0.14	0.033	NE	0.000069	< 0.000589	0.000589	< 0.000399	0.000399	< 0.000399	0.000399	< 0.000396	0.000396	< 0.000399	0.000399	< 0.000399	0.000399			
Endosulfan I	NE	NE	NE	NE	< 0.000692	0.000692	< 0.000469	0.000469	< 0.000469	0.000469	< 0.000466	0.000466	< 0.000469	0.000469	< 0.000469	0.000469			
Endosulfan II	NE	NE	NE	NE	< 0.000810	0.000810	< 0.000549	0.000549	< 0.000549	0.000549	< 0.000545	0.000545	< 0.000549	0.000549	< 0.000549	0.000549			
Endosulfan sulfate	NE	NE	NE	NE	< 0.000736	0.000736	< 0.000499	0.000499	< 0.000499	0.000499	< 0.000496	0.000496	< 0.000499	0.000499	< 0.000499	0.000499			
Endrin	250	18	0.081	0.092	< 0.000633	0.000633	< 0.000429	0.000429	< 0.000429	0.000429	< 0.000426	0.000426	< 0.000429	0.000429	< 0.000429	0.000429			
Endrin aldehyde	NE	NE	NE	NE	< 0.000751	0.000751	< 0.000509	* 0.000509	< 0.000509	* 0.000509	< 0.000505	* 0.000505	< 0.000509	* 0.000509	< 0.000509	* 0.000509			
Endrin ketone	NE	NE	NE	NE	< 0.000869	0.000869	< 0.000588	0.000588	< 0.000589	0.000589	< 0.000585	0.000585	< 0.000589	0.000589	< 0.000589	0.000589			
Heptachlor	0.51	0.12	0.033	0.00016	< 0.000618	0.000618	< 0.000419	0.000419	< 0.000419	0.000419	< 0.000416	0.000416	< 0.000419	0.000419	< 0.000419	0.000419			
Heptachlor epoxide	0.25	0.059	0.0041	0.000078	< 0.000957	0.000957	< 0.000648	0.000648	< 0.000649	0.000649	< 0.000644	0.000644	< 0.000649	0.000649	< 0.000649	0.000649			
Methoxychlor	4100	310	2.2	2	< 0.000721	0.000721	< 0.000489	0.000489	< 0.000489	0.000489	< 0.000486	0.000486	< 0.000489	0.000489	< 0.000489	0.000489			
Toxaphene	2.1	0.48	0.46	0.0024	< 0.0621	0.0621	< 0.0421	0.0421	< 0.0421	0.0421	< 0.0418	0.0418	< 0.0421	0.0421	< 0.0421	0.0421			



**Table 6**  
**Summary of Soil Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8081B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-66802-3 Tract 4B SB-1 (1-3) 11/19/2014			490-66802-4 Tract 4B SB-1 (18-22) 11/19/2014			490-66802-6 Tract 4C SB-1 (0-2) 11/19/2014			490-66957-1 Tract 4C SB-1 (42-46) 11/19/2014			490-67111-1 Tract 4D SB-1 (0-2) 11/21/2014		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
					Aldrin	0.14	0.031	NE	0.00075	< 0.000370	0.000370	< 0.000595	0.000595	< 0.000349	0.000349	< 0.000333	0.000333	< 0.00308	0.00308
alpha-BHC	0.37	0.085	NE	0.00041	< 0.000239	0.000239	< 0.000384	0.000384	< 0.000225	0.000225	< 0.000215	0.000215	< 0.00199	0.00199					
beta-BHC	1.3	0.3	NE	0.00014	< 0.000239	0.000239	< 0.000384	0.000384	< 0.000225	0.000225	< 0.000215	0.000215	< 0.00199	0.00199					
delta-BHC	NE	NE	NE	NE	< 0.000454	0.000454	< 0.000729	0.000729	< 0.000428	0.000428	< 0.000408	0.000408	< 0.00378	0.00378					
gamma-BHC (Lindane)	2.5	0.56	0.0012	0.00024	< 0.000466	0.000466	< 0.000748	0.000748	< 0.000439	0.000439	< 0.000418	0.000418	< 0.00388	0.00388					
alpha-Chlordane	NE	NE	NE	NE	< 0.000513	0.000513	< 0.000825	0.000825	< 0.000484	0.000484	< 0.000461	0.000461	< 0.00427	0.00427					
gamma-Chlordane	NE	NE	NE	NE	< 0.000943	0.000943	< 0.00152	0.00152	< 0.000889	0.000889	< 0.000848	0.000848	< 0.00785	0.00785					
Chlordane (technical)	8	1.8	0.14	0.015	< 0.0433	0.0433	< 0.0697	0.0697	< 0.0408	0.0408	< 0.0389	0.0389	< 0.361	0.361					
4,4'-DDD	9.6	2.2	NE	0.0072	< 0.000513	0.000513	< 0.000825	0.000825	< 0.000484	0.000484	< 0.000461	0.000461	< 0.00427	0.00427					
4,4'-DDE	6.8	1.6	NE	0.054	< 0.000597	0.000597	< 0.000959	0.000959	< 0.000563	0.000563	< 0.000536	0.000536	< 0.00497	0.00497					
4,4'-DDT	8.6	1.9	NE	0.077	< 0.00101	0.00101	< 0.00163	0.00163	< 0.000956	0.000956	< 0.000912	0.000912	< 0.00845	0.00845					
Dieldrin	0.14	0.033	NE	0.000069	< 0.000477	0.000477	< 0.000768	0.000768	< 0.000450	0.000450	< 0.000429	0.000429	< 0.00398	0.00398					
Endosulfan I	NE	NE	NE	NE	< 0.000561	0.000561	< 0.000902	0.000902	< 0.000529	0.000529	< 0.000504	0.000504	< 0.00467	0.00467					
Endosulfan II	NE	NE	NE	NE	< 0.000657	0.000657	< 0.00106	0.00106	< 0.000619	0.000619	< 0.000590	0.000590	< 0.00547	0.00547					
Endosulfan sulfate	NE	NE	NE	NE	< 0.000597	0.000597	< 0.000959	0.000959	< 0.000563	0.000563	< 0.000536	0.000536	< 0.00497	0.00497					
Endrin	250	18	0.081	0.092	< 0.000513	0.000513	< 0.000825	0.000825	< 0.000484	0.000484	< 0.000461	0.000461	< 0.00427	0.00427					
Endrin aldehyde	NE	NE	NE	NE	< 0.000609	0.000609	< 0.000979	0.000979	< 0.000574	0.000574	< 0.000547 *	0.000547	< 0.00507	0.00507					
Endrin ketone	NE	NE	NE	NE	< 0.000704	0.000704	< 0.00113	0.00113	< 0.000664	0.000664	< 0.000633	0.000633	< 0.00586	0.00586					
Heptachlor	0.51	0.12	0.033	0.00016	< 0.000501	0.000501	< 0.000806	0.000806	< 0.000473	0.000473	< 0.000451	0.000451	< 0.00417	0.00417					
Heptachlor epoxide	0.25	0.059	0.0041	0.000078	< 0.000776	0.000776	< 0.00125	0.00125	< 0.000731	0.000731	< 0.000697	0.000697	< 0.00646	0.00646					
Methoxychlor	4100	310	2.2	2	< 0.000585	0.000585	< 0.000940	0.000940	< 0.000551	0.000551	< 0.000526	0.000526	< 0.00487	0.00487					
Toxaphene	2.1	0.48	0.46	0.0024	< 0.0504	0.0504	< 0.0810	0.0810	< 0.0475	0.0475	< 0.0453	0.0453	< 0.419	0.419					

**Table 6**  
**Summary of Soil Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8081B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-67111-2 Tract 4D SB-1 (6-10) 11/21/2014			490-37637-1 Tract 6 SB-1 (0-2) 10/10/2013			490-37637-2 Tract 6 SB-1 (10-14) 10/10/2013			490-37637-4 Tract 6 SB-2 (0-2) 10/10/2013			490-37637-5 Tract 6 SB-2 (10-14) 10/10/2013		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	0.14	0.031	NE	0.00075	< 0.000300	0.000300	< 0.000360	0.000360	< 0.000421	0.000421	< 0.00559	0.00559	< 0.000413	0.000413					
alpha-BHC	0.37	0.085	NE	0.00041	< 0.000194	0.000194	< 0.000232	0.000232	< 0.000271	0.000271	< 0.00360	0.00360	< 0.000266	0.000266					
beta-BHC	1.3	0.3	NE	0.00014	< 0.000194	0.000194	< 0.00232	0.00232	< 0.00271	0.00271	< 0.0360	0.0360	< 0.00266	0.00266					
delta-BHC	NE	NE	NE	NE	< 0.000368	0.000368	< 0.000441	0.000441	< 0.000516	0.000516	< 0.00685	0.00685	< 0.000506	0.000506					
gamma-BHC (Lindane)	2.5	0.56	0.0012	0.00024	< 0.000378	0.000378	< 0.000453	0.000453	< 0.000529	0.000529	< 0.00703	0.00703	< 0.000519	0.000519					
alpha-Chlordane	NE	NE	NE	NE	< 0.000416	0.000416	< 0.000499	0.000499	< 0.000584	0.000584	0.152 p	0.00775	< 0.000573	0.000573					
gamma-Chlordane	NE	NE	NE	NE	< 0.000765	0.000765	< 0.000917	0.000917	< 0.00107	0.00107	0.325	0.0142	< 0.00105	0.00105					
Chlordane (technical)	8	1.8	0.14	0.015	< 0.0352	0.0352	< 0.0421	0.0421	< 0.0493	0.0493	<b>1.35</b>	0.654	< 0.0483	0.0483					
4,4'-DDD	9.6	2.2	NE	0.0072	< 0.000416	0.000416	< 0.000499	0.000499	< 0.000584	0.000584	< 0.00775	0.00775	< 0.000573	0.000573					
4,4'-DDE	6.8	1.6	NE	0.054	< 0.000484	0.000484	< 0.000580	0.000580	< 0.000679	0.000679	< 0.00901	0.00901	< 0.000666	0.000666					
4,4'-DDT	8.6	1.9	NE	0.077	< 0.000823	0.000823	< 0.000986	0.000986	< 0.00115	0.00115	< 0.0153	0.0153	< 0.00113	0.00113					
Dieldrin	0.14	0.033	NE	0.000069	< 0.000387	0.000387	< 0.000464	0.000464	< 0.000543	0.000543	< 0.00721	0.00721	< 0.000533	0.000533					
Endosulfan I	NE	NE	NE	NE	< 0.000455	0.000455	< 0.000545	0.000545	< 0.000638	0.000638	< 0.00847	0.00847	< 0.000626	0.000626					
Endosulfan II	NE	NE	NE	NE	< 0.000533	0.000533	< 0.000638	0.000638	< 0.000746	0.000746	< 0.00991	0.00991	< 0.000732	0.000732					
Endosulfan sulfate	NE	NE	NE	NE	< 0.000484	0.000484	< 0.000580	0.000580	< 0.000679	0.000679	< 0.00901	0.00901	< 0.000666	0.000666					
Endrin	250	18	0.081	0.092	< 0.000416	0.000416	< 0.000499	0.000499	< 0.000584	0.000584	< 0.00775	0.00775	< 0.000573	0.000573					
Endrin aldehyde	NE	NE	NE	NE	< 0.000494	0.000494	< 0.000592	0.000592	< 0.000692	0.000692	< 0.00919	0.00919	< 0.000679	0.000679					
Endrin ketone	NE	NE	NE	NE	< 0.000571	0.000571	< 0.000685	0.000685	< 0.000801	0.000801	< 0.0106	0.0106	< 0.000786	0.000786					
Heptachlor	0.51	0.12	0.033	0.00016	< 0.000407	0.000407	< 0.000487	0.000487	< 0.000570	0.000570	<b>0.0973</b>	0.00757	< 0.000559	0.000559					
Heptachlor epoxide	0.25	0.059	0.0041	0.000078	< 0.000630	0.000630	< 0.000754	0.000754	< 0.000882	0.000882	<b>0.0602</b>	0.0117	< 0.000866	0.000866					
Methoxychlor	4100	310	2.2	2	< 0.000475	0.000475	< 0.000569	0.000569	< 0.000665	0.000665	< 0.00883	0.00883	< 0.000653	0.000653					
Toxaphene	2.1	0.48	0.46	0.0024	< 0.0409	0.0409	< 0.0490	0.0490	< 0.0573	0.0573	< 0.761	0.761	< 0.0562	0.0562					

**Table 6**  
**Summary of Soil Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8081B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWA4535-01-RE1 Tract 26 SB-1 (0-2) 01/26/2012			NWA4535-02-RE1 Tract 26 SB-1 (52-55) 01/26/2012			NUK1792-05-RE1 Tract 28 SB-1 (0-2) 11/10/2011			490-37157-1 Tract 29 SB-1 (0-2) 10/07/2013			490-37157-2 Tract 29 SB-1 (4-8) 10/07/2013		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	0.14	0.031	NE	0.00075	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000301		0.000301	< 0.00305		0.00305
alpha-BHC	0.37	0.085	NE	0.000041	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000194		0.000194	< 0.00197		0.00197
beta-BHC	1.3	0.3	NE	0.00014	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.00194		0.00194	< 0.0197		0.0197
delta-BHC	NE	NE	NE	NE	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000369		0.000369	< 0.00374		0.00374
gamma-BHC (Lindane)	2.5	0.56	0.0012	0.00024	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000379		0.000379	< 0.00384		0.00384
alpha-Chlordane	NE	NE	NE	NE	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000417		0.000417	< 0.00423		0.00423
gamma-Chlordane	NE	NE	NE	NE	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000767		0.000767	< 0.00778		0.00778
Chlordane (technical)	8	1.8	0.14	0.015	< 0.662		0.662	< 0.0331		0.0331	< 0.0817		0.0817	< 0.0352		0.0352	< 0.357		0.357
4,4'-DDD	9.6	2.2	NE	0.0072	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000417		0.000417	< 0.00423		0.00423
4,4'-DDE	6.8	1.6	NE	0.054	0.0199	J	0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000485		0.000485	< 0.00492		0.00492
4,4'-DDT	8.6	1.9	NE	0.077	< 0.0167		0.0167	0.000993	J	0.000834	0.00409	J	0.00206	< 0.000825		0.000825	< 0.00837		0.00837
Dieldrin	0.14	0.033	NE	0.000069	<b>0.285</b>		0.0167	<b>0.00828</b>		0.000834	< 0.00206		0.00206	< 0.000388		0.000388	< 0.00394		0.00394
Endosulfan I	NE	NE	NE	NE	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000456		0.000456	< 0.00463		0.00463
Endosulfan II	NE	NE	NE	NE	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000534		0.000534	< 0.00542		0.00542
Endosulfan sulfate	NE	NE	NE	NE	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000485		0.000485	< 0.00492		0.00492
Endrin	250	18	0.081	0.092	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000417		0.000417	< 0.00423		0.00423
Endrin aldehyde	NE	NE	NE	NE	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000495		0.000495	< 0.00502		0.00502
Endrin ketone	NE	NE	NE	NE	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000573		0.000573	< 0.00581		0.00581
Heptachlor	0.51	0.12	0.033	0.00016	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000408		0.000408	< 0.00414		0.00414
Heptachlor epoxide	0.25	0.059	0.0041	0.000078	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000631		0.000631	< 0.00640		0.00640
Methoxychlor	4100	310	2.2	2	< 0.0167		0.0167	< 0.000834		0.000834	< 0.00206		0.00206	< 0.000476		0.000476	< 0.00482		0.00482
Toxaphene	2.1	0.48	0.46	0.0024	< 0.838		0.838	< 0.0419		0.0419	< 0.104		0.104	< 0.0410		0.0410	< 0.416		0.416

**Table 6**  
**Summary of Soil Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8081B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37270-1 Tract 29 SB-2 (0-2) 10/08/2013			490-37270-2 Tract 29 SB-2 (4-8) 10/08/2013			490-37270-6 Tract 33 SB-1 (0-2) 10/08/2013			490-37270-7 Tract 33 SB-1 (4-8) 10/08/2013			490-37411-1 Tract 33 SB-2 (0-2) 10/09/2013		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	0.14	0.031	NE	0.00075	< 0.000304	0.000304	< 0.000306	0.000306	< 0.000309	0.000309	< 0.000307	0.000307	< 0.000307	0.000307	< 0.000307	0.000307			
alpha-BHC	0.37	0.085	NE	0.00041	< 0.000196	0.000196	< 0.000197	0.000197	< 0.000199	0.000199	< 0.000198	0.000198	0.0620	0.000198	0.000198	0.000198			
beta-BHC	1.3	0.3	NE	0.00014	< 0.00196	0.00196	< 0.00197	0.00197	< 0.00199	0.00199	< 0.00198	0.00198	0.571	0.00198	0.00198	0.0396			
delta-BHC	NE	NE	NE	NE	< 0.000373	0.000373	< 0.000375	0.000375	< 0.000379	0.000379	< 0.000376	0.000376	0.0188	p	0.000376	0.000376			
gamma-BHC (Lindane)	2.5	0.56	0.0012	0.00024	< 0.000383	0.000383	< 0.000385	0.000385	< 0.000389	0.000389	< 0.000386	0.000386	< 0.000386	0.000386	< 0.000386	0.000386			
alpha-Chlordane	NE	NE	NE	NE	< 0.000422	0.000422	< 0.000424	0.000424	< 0.000429	0.000429	< 0.000426	0.000426	0.0541	p	0.000425	0.000425			
gamma-Chlordane	NE	NE	NE	NE	< 0.000775	0.000775	< 0.000780	0.000780	< 0.000788	0.000788	< 0.000782	0.000782	0.111		0.000782	0.000782			
Chlordane (technical)	8	1.8	0.14	0.015	< 0.0356	0.0356	< 0.0358	0.0358	< 0.0362	0.0362	< 0.0359	0.0359	0.598	J	0.359	0.359			
4,4'-DDD	9.6	2.2	NE	0.0072	< 0.000422	0.000422	< 0.000424	0.000424	< 0.000429	0.000429	< 0.000426	0.000426	0.526		0.000426	0.000426			
4,4'-DDE	6.8	1.6	NE	0.054	< 0.000491	0.000491	< 0.000493	0.000493	< 0.000499	0.000499	< 0.000495	0.000495	0.603		0.000495	0.000495			
4,4'-DDT	8.6	1.9	NE	0.077	< 0.000834	0.000834	< 0.000839	0.000839	< 0.000847	0.000847	< 0.000841	0.000841	0.173		0.000841	0.000841			
Dieldrin	0.14	0.033	NE	0.000069	< 0.000393	0.000393	< 0.000395	0.000395	< 0.000399	0.000399	< 0.000396	0.000396	< 0.000396	0.000396	< 0.000396	0.000396			
Endosulfan I	NE	NE	NE	NE	< 0.000461	0.000461	< 0.000464	0.000464	< 0.000469	0.000469	< 0.000465	0.000465	< 0.000465	0.000465	< 0.000465	0.000465			
Endosulfan II	NE	NE	NE	NE	< 0.000540	0.000540	< 0.000543	0.000543	< 0.000548	0.000548	< 0.000544	0.000544	< 0.000544	0.000544	< 0.000544	0.000544			
Endosulfan sulfate	NE	NE	NE	NE	< 0.000491	0.000491	< 0.000493	0.000493	< 0.000499	0.000499	< 0.000495	0.000495	< 0.000495	0.000495	< 0.000495	0.000495			
Endrin	250	18	0.081	0.092	< 0.000422	0.000422	< 0.000424	0.000424	< 0.000429	0.000429	< 0.000426	0.000426	< 0.000425	0.000425	< 0.000425	0.000425			
Endrin aldehyde	NE	NE	NE	NE	< 0.000501	0.000501	< 0.000503	0.000503	< 0.000508	0.000508	< 0.000505	0.000505	< 0.000505	0.000505	< 0.000505	0.000505			
Endrin ketone	NE	NE	NE	NE	< 0.000579	0.000579	< 0.000582	0.000582	< 0.000588	0.000588	< 0.000584	0.000584	< 0.000584	0.000584	< 0.000584	0.000584			
Heptachlor	0.51	0.12	0.033	0.00016	< 0.000412	0.000412	< 0.000414	0.000414	< 0.000419	0.000419	< 0.000416	0.000416	0.00206	p	0.000416	0.000416			
Heptachlor epoxide	0.25	0.059	0.0041	0.000078	< 0.000638	0.000638	< 0.000641	0.000641	< 0.000648	0.000648	< 0.000643	0.000643	< 0.000643	0.000643	< 0.000643	0.000643			
Methoxychlor	4100	310	2.2	2	< 0.000481	0.000481	< 0.000484	0.000484	< 0.000489	0.000489	< 0.000485	0.000485	< 0.000485	0.000485	< 0.000485	0.000485			
Toxaphene	2.1	0.48	0.46	0.0024	< 0.0414	0.0414	< 0.0416	0.0416	< 0.0421	0.0421	< 0.0418	0.0418	< 0.0418	0.0418	< 0.0418	0.0418			

**Table 6**  
**Summary of Soil Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8081B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	490-37411-2 Tract 33 SB-2 (10-14) 10/09/2013			490-37411-6 Tract 33 SB-3 (0-2) 10/09/2013			490-37411-7 Tract 33 SB-3 (14-18) 10/09/2013			490-37639-1 Tract 33 SB-4 (0-2) 10/11/2013			490-37639-2 Tract 33 SB-4 (22-26) 10/11/2013		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	0.14	0.031	NE	0.00075	< 0.000304	0.000304	< 0.000302	0.000302	< 0.000307	0.000307	< 0.000341	0.00341	< 0.000430	0.000430					
alpha-BHC	0.37	0.085	NE	0.00041	< 0.000196	0.000196	< 0.000195	0.000195	< 0.000198	0.000198	< 0.00220	0.00220	< 0.000278	0.000278					
beta-BHC	1.3	0.3	NE	0.00014	< 0.00196	0.00196	< 0.00195	0.00195	< 0.00198	0.00198	< 0.0220	0.0220	< 0.00278	0.00278					
delta-BHC	NE	NE	NE	NE	< 0.000373	0.000373	< 0.000371	0.000371	< 0.000377	0.000377	< 0.00418	0.00418	< 0.000528	0.000528					
gamma-BHC (Lindane)	2.5	0.56	0.0012	0.00024	< 0.000382	0.000382	< 0.000380	0.000380	< 0.000387	0.000387	< 0.00429	0.00429	< 0.000541	0.000541					
alpha-Chlordane	NE	NE	NE	NE	< 0.000422	0.000422	< 0.000420	0.000420	< 0.000427	0.000427	< 0.00472	0.00472	< 0.000597	0.000597					
gamma-Chlordane	NE	NE	NE	NE	< 0.000775	0.000775	< 0.000771	p 0.000771	< 0.000784	0.000784	< 0.00868	0.00868	< 0.00110	0.00110					
Chlordane (technical)	8	1.8	0.14	0.015	< 0.0356	0.0356	< 0.0354	0.0354	< 0.0360	0.0360	< 0.399	0.399	< 0.0504	0.0504					
4,4'-DDD	9.6	2.2	NE	0.0072	0.00195	0.000422	< 0.00839	0.00839	< 0.000427	0.000427	0.0160	J 0.00472	< 0.000597	0.000597					
4,4'-DDE	6.8	1.6	NE	0.054	0.00189	0.000490	0.0279	J 0.00976	< 0.000496	0.000496	0.0189	0.00549	< 0.000694	0.000694					
4,4'-DDT	8.6	1.9	NE	0.077	0.00286	0.000833	0.0379	0.0166	< 0.000843	0.000843	0.0622	0.00934	< 0.00118	0.00118					
Dieldrin	0.14	0.033	NE	0.000069	< 0.000392	0.000392	< 0.000390	0.000390	< 0.000397	0.000397	< 0.00440	0.00440	< 0.000555	0.000555					
Endosulfan I	NE	NE	NE	NE	< 0.000461	0.000461	< 0.000459	0.000459	< 0.000466	0.000466	< 0.00516	0.00516	< 0.000652	0.000652					
Endosulfan II	NE	NE	NE	NE	< 0.000539	0.000539	< 0.000537	0.000537	< 0.000546	0.000546	< 0.00604	0.00604	< 0.000764	0.000764					
Endosulfan sulfate	NE	NE	NE	NE	< 0.000490	0.000490	< 0.000488	0.000488	< 0.000496	0.000496	< 0.00549	0.00549	< 0.000694	0.000694					
Endrin	250	18	0.081	0.092	< 0.000422	0.000422	< 0.000420	0.000420	< 0.000427	0.000427	< 0.00472	0.00472	< 0.000597	0.000597					
Endrin aldehyde	NE	NE	NE	NE	< 0.000500	0.000500	< 0.000498	0.000498	< 0.000506	0.000506	< 0.00560	0.00560	< 0.000708	0.000708					
Endrin ketone	NE	NE	NE	NE	< 0.000578	0.000578	< 0.000576	0.000576	< 0.000585	0.000585	< 0.00648	0.00648	< 0.000819	0.000819					
Heptachlor	0.51	0.12	0.033	0.00016	< 0.000412	0.000412	< 0.000410	0.000410	< 0.000417	0.000417	< 0.00462	0.00462	< 0.000583	0.000583					
Heptachlor epoxide	0.25	0.059	0.0041	0.000078	< 0.000637	0.000637	< 0.00634	0.00634	< 0.000645	0.000645	< 0.00714	0.00714	< 0.000902	0.000902					
Methoxychlor	4100	310	2.2	2	< 0.000480	0.000480	< 0.00956	0.00956	< 0.000486	0.000486	< 0.00538	0.00538	< 0.000680	0.000680					
Toxaphene	2.1	0.48	0.46	0.0024	< 0.0414	0.0414	< 0.0412	0.0412	< 0.0419	0.0419	< 0.464	0.464	< 0.0586	0.0586					

**Table 6**  
**Summary of Soil Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8081B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NUK1675-01 Tract 35 SB-1 (0-2) 11/09/2011			NUK1675-02 Tract 35 SB-1 (12-16) 11/08/2011			NUK1675-04-RE1 Tract 35 SB-2 (0-2) 11/09/2011			NUK1675-05 Tract 35 SB-2 (24-28) 11/09/2011			NUK1675-07-RE1 Tract 35 SB-3 (0-2) 11/09/2011		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	0.14	0.031	NE	0.00075	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	< 0.00171	QSU RL1	0.00171			
alpha-BHC	0.37	0.085	NE	0.000041	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	< 0.00171	QSU RL1	0.00171			
beta-BHC	1.3	0.3	NE	0.00014	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	< 0.00171	RL1 QSU	0.00171			
delta-BHC	NE	NE	NE	NE	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.00272	J QSU RL1	0.00171			
gamma-BHC (Lindane)	2.5	0.56	0.0012	0.00024	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.00408	QSU RL1	0.00171			
alpha-Chlordane	NE	NE	NE	NE	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.00408	QSU RL1	0.00171			
gamma-Chlordane	NE	NE	NE	NE	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	< 0.00171	QSU RL1	0.00171			
Chlordane (technical)	8	1.8	0.14	0.015	< 0.0578	0.0578	< 0.0677	0.0677	< 0.183	QSU RL1	0.183	< 0.0618	0.0618	< 0.0680	QSU RL1	0.0680			
4,4'-DDD	9.6	2.2	NE	0.0072	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.00748	QSU RL1	0.00171			
4,4'-DDE	6.8	1.6	NE	0.054	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.00476	QSU RL1	0.00171			
4,4'-DDT	8.6	1.9	NE	0.077	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.0238	QSU RL1	0.00171			
Dieldrin	0.14	0.033	NE	0.000069	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.0163	QSU RL1	0.00171			
Endosulfan I	NE	NE	NE	NE	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.00408	QSU RL1	0.00171			
Endosulfan II	NE	NE	NE	NE	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.00340	J QSU RL1	0.00171			
Endosulfan sulfate	NE	NE	NE	NE	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	< 0.00171	QSU RL1	0.00171			
Endrin	250	18	0.081	0.092	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.0259	QSU RL1	0.00171			
Endrin aldehyde	NE	NE	NE	NE	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.0150	QSU RL1	0.00171			
Endrin ketone	NE	NE	NE	NE	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.00817	QSU RL1	0.00171			
Heptachlor	0.51	0.12	0.033	0.00016	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	< 0.00171	QSU RL1	0.00171			
Heptachlor epoxide	0.25	0.059	0.0041	0.000078	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.00204	J QSU RL1	0.00171			
Methoxychlor	4100	310	2.2	2	< 0.00146	0.00146	< 0.00171	0.00171	< 0.00463	QSU RL1	0.00463	< 0.00156	0.00156	0.00680	QSU RL1	0.00171			
Toxaphene	2.1	0.48	0.46	0.0024	< 0.0732	0.0732	< 0.0858	0.0858	< 0.232	QSU RL1	0.232	< 0.0783	0.0783	< 0.0861	QSU RL1	0.0861			

**Table 6**  
**Summary of Soil Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8081B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NUK1675-09-RE1 Tract 35 SB-4 (0-2) 11/09/2011			NUK1675-10 Tract 35 SB-4 (10-14) 11/09/2011			NUK1792-02-RE1 Tract 35 SB-5 (0-2) 11/10/2011			NUK1792-03 Tract 35 SB-5 (4-8) 11/10/2011			NWC2604-01-RE2 Tract 35 SB-6 (0-2) 03/20/2012		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
					Aldrin	0.14	0.031	NE	0.00075	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189
alpha-BHC	0.37	0.085	NE	0.00041	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
beta-BHC	1.3	0.3	NE	0.00014	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
delta-BHC	NE	NE	NE	NE	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
gamma-BHC (Lindane)	2.5	0.56	0.0012	0.00024	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
alpha-Chlordane	NE	NE	NE	NE	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
gamma-Chlordane	NE	NE	NE	NE	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
Chlordane (technical)	8	1.8	0.14	0.015	< 0.0818	QSU RL1	0.0818	< 0.0396	0.0396	< 0.0766	0.0766	< 0.0402	0.0402	< 0.750	RL1	0.750			
4,4'-DDD	9.6	2.2	NE	0.0072	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	0.0445	0.00193	0.00185	J	0.00101	< 0.0189	RL1	0.0189		
4,4'-DDE	6.8	1.6	NE	0.054	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	0.0146	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
4,4'-DDT	8.6	1.9	NE	0.077	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	0.284	0.0193	0.00322	0.00101	< 0.0189	RL1	0.0189			
Dieldrin	0.14	0.033	NE	0.000069	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
Endosulfan I	NE	NE	NE	NE	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
Endosulfan II	NE	NE	NE	NE	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
Endosulfan sulfate	NE	NE	NE	NE	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
Endrin	250	18	0.081	0.092	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
Endrin aldehyde	NE	NE	NE	NE	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
Endrin ketone	NE	NE	NE	NE	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
Heptachlor	0.51	0.12	0.033	0.00016	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
Heptachlor epoxide	0.25	0.059	0.0041	0.000078	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
Methoxychlor	4100	310	2.2	2	< 0.00206	QSU RL1	0.00206	< 0.00100	0.00100	< 0.00193	0.00193	< 0.00101	0.00101	< 0.0189	RL1	0.0189			
Toxaphene	2.1	0.48	0.46	0.0024	< 0.104	QSU RL1	0.104	< 0.0502	0.0502	< 0.0971	0.0971	< 0.0509	0.0509	< 0.950	RL1	0.950			

**Table 6**  
**Summary of Soil Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8081B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWC2604-02-RE2 Tract 35 SB-6 (6-10) 03/20/2012			NWC2754-01-RE1 Tract 35 SB-7 (0-2) 03/21/2012			NWC2754-02-RE1 Tract 35 SB-7 (20-24) 03/21/2012			NWA4535-04-RE1 Tract 40 SB-1 (0-2) 01/26/2012			NWA4535-05-RE1 Tract 40 SB-1 (4-8) 01/26/2012		
					Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	0.14	0.031	NE	0.00075	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
alpha-BHC	0.37	0.085	NE	0.000041	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
beta-BHC	1.3	0.3	NE	0.00014	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
delta-BHC	NE	NE	NE	NE	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
gamma-BHC (Lindane)	2.5	0.56	0.0012	0.00024	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
alpha-Chlordane	NE	NE	NE	NE	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
gamma-Chlordane	NE	NE	NE	NE	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
Chlordane (technical)	8	1.8	0.14	0.015	< 0.750	QSU RL1	0.750	< 0.0904	0.0904	< 0.0461	0.0461	< 0.0333	0.0333	< 0.0332	0.0332				
4,4'-DDD	9.6	2.2	NE	0.0072	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
4,4'-DDE	6.8	1.6	NE	0.054	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
4,4'-DDT	8.6	1.9	NE	0.077	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
Dieldrin	0.14	0.033	NE	0.000069	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
Endosulfan I	NE	NE	NE	NE	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
Endosulfan II	NE	NE	NE	NE	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
Endosulfan sulfate	NE	NE	NE	NE	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
Endrin	250	18	0.081	0.092	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
Endrin aldehyde	NE	NE	NE	NE	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
Endrin ketone	NE	NE	NE	NE	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
Heptachlor	0.51	0.12	0.033	0.00016	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
Heptachlor epoxide	0.25	0.059	0.0041	0.000078	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
Methoxychlor	4100	310	2.2	2	< 0.0189	QSU RL1	0.0189	< 0.00228	0.00228	< 0.00116	0.00116	< 0.000839	0.000839	< 0.000839	0.000839				
Toxaphene	2.1	0.48	0.46	0.0024	< 0.951	QSU RL1	0.951	< 0.115	0.115	< 0.0584	0.0584	< 0.0421	0.0421	< 0.0421	0.0421				



**Table 6**  
**Summary of Soil Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8081B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	NWA4733-01 Tract 44 SB-1 (0-2) 01/27/2012			NWA4733-02 Tract 44 SB-1 (6-10) 01/27/2012		
					Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	0.14	0.031	NE	0.00075	< 0.000909	0.000909	< 0.000996	0.000996		
alpha-BHC	0.37	0.085	NE	0.000041	< 0.000909	0.000909	< 0.000996	0.000996		
beta-BHC	1.3	0.3	NE	0.00014	< 0.000909	0.000909	< 0.000996	0.000996		
delta-BHC	NE	NE	NE	NE	< 0.000909	0.000909	< 0.000996	0.000996		
gamma-BHC (Lindane)	2.5	0.56	0.0012	0.00024	< 0.000909	0.000909	< 0.000996	0.000996		
alpha-Chlordane	NE	NE	NE	NE	< 0.000909	0.000909	< 0.000996	0.000996		
gamma-Chlordane	NE	NE	NE	NE	< 0.000909	0.000909	< 0.000996	0.000996		
Chlordane (technical)	8	1.8	0.14	0.015	< 0.0360	0.0360	< 0.0395	0.0395		
4,4'-DDD	9.6	2.2	NE	0.0072	< 0.000909	0.000909	< 0.000996	0.000996		
4,4'-DDE	6.8	1.6	NE	0.054	< 0.000909	0.000909	< 0.000996	0.000996		
4,4'-DDT	8.6	1.9	NE	0.077	< 0.000909	0.000909	< 0.000996	0.000996		
Dieldrin	0.14	0.033	NE	0.000069	< 0.000909	0.000909	< 0.000996	0.000996		
Endosulfan I	NE	NE	NE	NE	< 0.000909	0.000909	< 0.000996	0.000996		
Endosulfan II	NE	NE	NE	NE	< 0.000909	0.000909	< 0.000996	0.000996		
Endosulfan sulfate	NE	NE	NE	NE	< 0.000909	0.000909	< 0.000996	0.000996		
Endrin	250	18	0.081	0.092	< 0.000909	0.000909	< 0.000996	0.000996		
Endrin aldehyde	NE	NE	NE	NE	< 0.000909	0.000909	< 0.000996	0.000996		
Endrin ketone	NE	NE	NE	NE	< 0.000909	0.000909	< 0.000996	0.000996		
Heptachlor	0.51	0.12	0.033	0.00016	< 0.000909	0.000909	< 0.000996	0.000996		
Heptachlor epoxide	0.25	0.059	0.0041	0.000078	< 0.000909	0.000909	< 0.000996	0.000996		
Methoxychlor	4100	310	2.2	2	< 0.000909	0.000909	< 0.000996	0.000996		
Toxaphene	2.1	0.48	0.46	0.0024	< 0.0457	0.0457	< 0.0500	0.0500		

**Table 6**  
**Summary of Soil Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in milligrams per kilogram.

Blue text indicate exceedance of screening level.

1. Industrial Screening Level for soil obtained from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table dated January 2015 (SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
2. Residential Screening Level for soil from the SL Table. Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
3. Soil Screening Level (SSL) for the protection of groundwater based on the maximum contaminant level (MCL) for drinking water (from the SL Table). The SSL-MCL, if listed, supercedes the SSL-Tap.
4. Soil Screening Level (SSL) for the protection of groundwater based on tap water (risk-based) screening level for drinking water (from the SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1 and a dilution attenuation factor of 1.

"NE" indicates specific screening level not listed.

"NA" indicates specific parameter not analyzed.

"QSU" indicates sulfur (EPA 3660) clean-up performed on extract.

"RL1" qualifier indicates parameter reporting limit raised due to sample matrix effects.

"J" qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

"p" indicates the %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

\*\*\* qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate exceeds the control limits.

**Table 7**  
**Summary of Soil Analytical Data - Dioxins/Furans**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8290A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	H2C020432-001			H2C020432-002			H2C020432-004			H2C020432-005			H2C020432-009			H2C020432-010		
					Tract 37 SB-1 (0-2)			Tract 37 SB-1 (22-26)			Tract 37 SB-2 (0-2)			Tract 37 SB-2 (8-12)			Tract 37 SB-3 (0-2)			Tract 37 SB-3 (8-12)		
					2/29/2012			2/29/2012			2/29/2012			2/29/2012			3/1/2012			3/1/2012		
					Result	Qual	EDL	Result	Qual	EDL	Result	Qual	EDL	Result	Qual	EDL	Result	Qual	EDL	Result	Qual	EDL
2,3,7,8-TCDD	22	4.9	15	0.3	ND		0.22	ND		0.19	0.32	J	0.27	ND		0.27	ND		0.21	ND		0.26
1,2,3,7,8-PeCDD	NE	NE	NE	NE	ND		0.11	ND		0.093	3.6	Q, J	0.18	0.24	Q, J	0.16	0.26	Q, J	0.11	ND		0.13
1,2,3,4,7,8-HxCDD	NE	NE	NE	NE	0.27	Q, J	0.090	ND		0.070	6.0		0.14	0.3	J	0.13	0.2	Q, J	0.085	ND		0.087
1,2,3,6,7,8-HxCDD	470	100	NE	17	0.42	J	0.092	ND		0.079	25		0.14	0.92	J	0.13	0.67	J	0.085	ND		0.088
1,2,3,7,8,9-HxCDD	470	100	NE	17	1.4	Q, J	0.085	ND		0.069	17		0.13	0.84	J	0.12	0.87	J	0.080	ND		0.082
1,2,3,4,6,7,8-HpCDD	NE	NE	NE	NE	24		0.13	1.3	J	0.087	240		0.12	9.4		0.13	8.4		0.087	2.4	J	0.13
OCDD	NE	NE	NE	NE	340	B	0.12	15	B	0.090	610	B	0.13	28	B	0.15	100	B	0.10	39	B	0.13
2,3,7,8-TCDF	NE	NE	NE	NE	ND		0.14	ND		0.11	2.9	Q	0.18	0.65	Q, J	0.20	1.5		0.099	ND		0.16
1,2,3,7,8-PeCDF	NE	NE	NE	NE	ND		0.080	ND		0.064	4.9	J	0.16	0.23	J	0.12	1.3	J	0.099	ND		0.087
2,3,4,7,8-PeCDF	NE	NE	NE	NE	ND		0.076	ND		0.064	8.9		0.15	0.47	Q, J	0.11	1.4	J	0.096	ND		0.083
1,2,3,4,7,8-HxCDF	NE	NE	NE	NE	ND		0.056	ND		0.043	9.9		0.078	1.3	Q, J	0.074	2.6	J	0.055	ND		0.058
1,2,3,6,7,8-HxCDF	NE	NE	NE	NE	ND		0.053	ND		0.039	13	Q	0.081	0.61	J	0.074	1.4	J	0.052	ND		0.060
2,3,4,6,7,8-HxCDF	NE	NE	NE	NE	ND		0.059	ND		0.044	16		0.083	0.92	J	0.080	1.8	J	0.059	ND		0.063
1,2,3,7,8,9-HxCDF	NE	NE	NE	NE	ND		0.068	ND		0.05	1.7	J	0.11	ND		0.11	0.089	Q, J	0.072	ND		0.082
1,2,3,4,6,7,8-HpCDF	NE	NE	NE	NE	ND		0.066	ND		0.061	52		0.10	3.1	J	0.10	8.3		0.059	0.16	Q, J	0.087
1,2,3,4,7,8,9-HpCDF	NE	NE	NE	NE	ND		0.090	ND		0.083	11		0.14	0.58	Q, J	0.15	0.90	J	0.084	ND		0.12
OCDF	NE	NE	NE	NE	0.22	Q, B, J	0.092	0.14	Q, B, J	0.068	32	B	0.11	1.6	B, J	0.12	4.5	B, J	0.082	ND		0.12
Total TEQ (WHO 2005)	22	4.9	15	0.3	0.9			0.4			19.1			1.4			2.1			0.5		

Notes:  
Results are in picograms per gram.  
Blue text indicates exceedance of screening level.  
1. Industrial Screening Level for soil obtained from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table dated January 2015 (SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.  
2. Residential Screening Level for soil from the SL Table. Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.  
3. Soil Screening Level (SSL) for the protection of groundwater based on the maximum contaminant level (MCL) for drinking water (from the SL Table). The SSL-MCL, if listed, supercedes the SSL-Tap.  
4. Soil Screening Level (SSL) for the protection of groundwater based on tap water (risk-based) screening level for drinking water (from the SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1 and a dilution attenuation factor of 1.  
"NE" indicates specific screening level not listed.  
"ND" indicates the parameter was not detected at a concentration greater than the listed laboratory method detection limit.  
"J" qualifier indicates analyte detected at a level less than the Minimum Level and greater than or equal to the Estimated Detection Limit. Concentrations within this range are estimated.  
"Q" qualifier indicates result is the Estimated Maximum Possible Concentration (EMPC).  
"B" flag indicates the compound was detected in the blank and sample.  
Screening Levels listed for Hexachlorodibenzo-p-dioxin, mixture in the SL Table are presented for 1,2,3,6,7,8-HxCDD and 1,2,3,7,8,9-HxCDD.

**Table 8**  
**Summary of Soil Analytical Data - Radium-226**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY HASL 300	Surface Soil <sup>(1)</sup>	Subsurface Soil <sup>(2)</sup>	J4K200421-1			J4K200421-2			J4K210420-5			J4K210420-6			J4K210420-2			J4K210420-3		
			Tract 4 SB-1 (0-4)			Tract 4 SB-1 (4-8)			Tract 4 SB-2 (0-2)			Tract 4 SB-2 (40-44)			Tract 4A SB-1 (0-2)			Tract 4A SB-1 (32-36)		
			11/18/2014			11/18/2014			11/20/2014			11/20/2014			11/20/2014			11/20/2014		
			Result	Uncertainty	MDL	Result	Uncertainty	MDL	Result	Uncertainty	MDL	Result	Uncertainty	MDL	Result	Uncertainty	MDL	Result	Uncertainty	MDL
Radium-226	5	15	17.6	± 2.0	0.132	8.01	± 0.96	0.0857	0.709 J	± 0.15	0.0845	0.593 J	± 0.14	0.0715	0.425 J	± 0.13	0.100	0.693 J	± 0.19	0.110

**Table 8**  
**Summary of Soil Analytical Data - Radium-226**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY HASL 300	Surface Soil <sup>(1)</sup>	Subsurface Soil <sup>(2)</sup>	J4K200421-3			J4K200421-4			J4K200421-6			J4K210420-1			J4K260402-1			J4K260402-2		
			Tract 4B SB-1 (1-3)			Tract 4B SB-1 (18-22)			Tract 4C SB-1 (0-2)			Tract 4C SB-1 (42-46)			Tract 4D SB-1 (0-2)			Tract 4D SB-1 (6-10)		
			11/19/2014			11/19/2014			11/19/2014			11/19/2014			11/21/2014			11/21/2014		
			Result	Uncertainty	MDL	Result	Uncertainty	MDL	Result	Uncertainty	MDL	Result	Uncertainty	MDL	Result	Uncertainty	MDL	Result	Uncertainty	MDL
Radium-226	5	15	1.25	± 0.17	0.0467	1.09	± 0.17	0.0497	0.814 J	0.11	0.0402	0.532 J	± 0.19	0.128	8.56	± 1.0	0.078	0.874 J	± 0.12	0.040

**Table 8**  
**Summary of Soil Analytical Data - Radium-226**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Notes:

Results are in picocuries per gram

Blue text indicate exceedance of screening level.

1. Surface Soil Screening Level obtained from Subpart B of 40 CFR Part 192.
2. Subsurface Soil Screening Level obtained from Subpart B of 40 CFR Part 192.

"NA" indicates specific parameter not analyzed.

"J" qualifier indicates analyte detected at a level less than the Contractual Required Detection Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY VARIOUS METHODS	Regulatory Level (mg/L) <sup>(1)</sup>	Regulatory Level x 20 <sup>(2)</sup>	NWB3949-01 Tract 1 SB-1 (0-2) 02/28/2012			NWB3949-02 Tract 1 SB-1 (36-40) 02/28/2012			NWB3949-04 Tract 1 SB-2 (0-2) 02/28/2012			NWB3949-05 Tract 1 SB-2 (50-54) 02/28/2012			490-66802-1 TRACT 4 SB-1 (4-8) 11/18/2014			490-66957-6 Tract 4 SB-2 (0-2) 11/20/2014			490-66957-7 Tract 4 SB-2 (40-44) 11/20/2014		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5.0	100	6.63	B	0.549	13.8	B	1.02	7.52	B	0.578	12.5	B	0.910	11.2		1.32	6.79		1.04	2.08	J	1.65
Barium	100	2000	20.9		1.10	53.4		2.03	49.7		1.16	53.6		1.82	43.7		2.35	15.4		1.85	94.2		2.92
Benzene	0.5	10	<0.00104		0.00104	<0.00243		0.00243	0.00369		0.00112	<0.00207		0.00207	< 0.000796		0.000796	< 0.000663		0.000663	< 0.00124		0.00124
Cadmium	1.0	20	<0.549		0.549	<1.02		1.02	<0.578		0.578	<0.910		0.910	0.912	J	0.147	< 0.115		0.115	< 0.183		0.183
Carbon Tetrachloride	0.5	10	<0.000945		0.000945	<0.00220		0.00220	<0.00102		0.00102	<0.00188		0.00188	< 0.000796	*	0.000796	< 0.000663		0.000663	< 0.00124		0.00124
Chlordane	0.03	0.6		NA			NA			NA			NA		< 0.0534		0.0534	< 0.0362		0.0362	< 0.0362		0.0362
Chlorobenzene	100.0	2000	<0.00104		0.00104	<0.00243		0.00243	<0.00112		0.00112	<0.00207		0.00207	< 0.000796		0.000796	< 0.000663		0.000663	< 0.00124		0.00124
Chloroform	6.0	120	<0.00123		0.00123	<0.00287		0.00287	<0.00132		0.00132	<0.00244		0.00244	< 0.000796		0.000796	< 0.000663		0.000663	< 0.00124		0.00124
Chromium	5.0	100	11.3		0.549	56.2		1.02	16.1		0.578	59.7		0.910	18.5		0.883	13.8		0.692	11.4		1.10
1,4-Dichlorobenzene	7.5	150	<0.00104		0.00104	<0.00243		0.00243	<0.00112		0.00112	<0.00207		0.00207	< 0.000796		0.000796	< 0.000663		0.000663	< 0.00124		0.00124
1,2-Dichloroethane	0.5	10	<0.00104		0.00104	<0.00243		0.00243	<0.00112		0.00112	<0.00207		0.00207	< 0.000796		0.000796	< 0.000663		0.000663	< 0.00124		0.00124
1,1-Dichloroethene	0.7	14	<0.00113		0.00113	<0.00265		0.00265	<0.00122		0.00122	<0.00226		0.00226	< 0.000678		0.000678	< 0.000564		0.000564	< 0.00106		0.00106
2,4-Dinitrotoluene	0.13	2.6	<0.183		0.183	<0.338		0.338	<0.195		0.195	<0.305		0.305	< 0.00891		0.00891	< 0.00875		0.00875	< 0.00852		0.00852
Endrin	0.02	0.4		NA			NA			NA			NA		< 0.000633		0.000633	< 0.000429		0.000429	< 0.000429		0.000429
Heptachlor	0.008	0.16		NA			NA			NA			NA		< 0.000618		0.000618	< 0.000419		0.000419	< 0.000419		0.000419
Heptachlor epoxide	0.008	0.16		NA			NA			NA			NA		< 0.000957		0.000957	< 0.000648		0.000648	< 0.000649		0.000649
Hexachlorobenzene	0.13	2.6	<0.183		0.183	<0.338		0.338	<0.195		0.195	<0.305		0.305	< 0.0287		0.0287	< 0.0282		0.0282	< 0.0274		0.0274
Hexachlorobutadiene	0.5	10	<0.183		0.183	<0.338		0.338	<0.195		0.195	<0.305		0.305	< 0.0693		0.0693	< 0.0681		0.0681	< 0.0662		0.0662
Hexachloroethane	3.0	60	<0.183		0.183	<0.338		0.338	<0.195		0.195	<0.305		0.305	< 0.0198		0.0198	< 0.0194		0.0194	< 0.0189		0.0189
Lead	5.0	100	17.9		0.549	15.2		1.02	38.4		0.578	16.6		0.910	69.7		0.736	10.5		0.577	29.0		0.914
gamma-BHC (Lindane)	0.4	8		NA			NA			NA			NA		< 0.000574		0.000574	< 0.000389		0.000389	< 0.000389		0.000389
Mercury	0.2	4	<0.055		0.055	<0.100		0.100	0.180		0.057	<0.091		0.091	0.0440	J	0.0439	0.0474	J	0.0360	< 0.0544		0.0544
Methoxychlor	10.0	200		NA			NA			NA			NA		< 0.000721		0.000721	< 0.000489		0.000489	< 0.000489		0.000489
2-Butanone (MEK)	200.0	4000	<0.0236		0.0236	<0.0551		0.0551	<0.0254		0.0254	<0.0470		0.0470	< 0.00606		0.00606	< 0.00504		0.00504	0.0282	J	0.00947
Nitrobenzene	2.0	40	<0.183		0.183	<0.338		0.338	<0.195		0.195	<0.305		0.305	< 0.0168		0.0168	< 0.0165		0.0165	< 0.0161		0.0161
Pentachlorophenol	100.0	2000	<0.183		0.183	<0.338		0.338	<0.195		0.195	<0.305		0.305	< 0.124		0.124	< 0.122		0.122	< 0.118		0.118
Selenium	1.0	20	<1.10		1.10	<2.03		2.03	1.41	J	1.16	1.86	J	1.82	1.88	J	1.47	< 1.15		1.15	< 1.83		1.83
Silver	5.0	100	<0.549		0.549	<1.02		1.02	<0.578		0.578	<0.91		0.91	< 0.736		0.736	< 0.577		0.577	< 0.914		0.914
Tetrachloroethene	0.7	14	<0.00123		0.00123	<0.00287		0.00287	<0.00132		0.00132	<0.00244		0.00244	< 0.000868		0.000868	< 0.000722	*	0.000722	< 0.00136	*	0.00136
Toxaphene	0.5	10		NA			NA			NA			NA		< 0.0621		0.0621	< 0.0421		0.0421	< 0.0421		0.0421
Trichloroethene	0.5	10	<0.000945		0.000945	<0.00220		0.00220	<0.00102		0.00102	<0.00188		0.00188	< 0.00114		0.00114	< 0.000949		0.000949	< 0.00178		0.00178
2,4,5-Trichlorophenol	400.0	8000	<0.183		0.183	<0.338		0.338	<0.195		0.195	<0.305		0.305	< 0.0168		0.0168	< 0.0165		0.0165	< 0.0161		0.0161
2,4,6-Trichlorophenol	2.0	40	<0.183		0.183	<0.338		0.338	<0.195		0.195	<0.305		0.305	< 0.0248		0.0248	< 0.0243		0.0243	< 0.0237		0.0237
Vinyl chloride	0.2	4	<0.000945		0.000945	<0.00220		0.00220	<0.00102		0.00102	<0.00188		0.00188	< 0.00131		0.00131	< 0.00109		0.00109	< 0.00204		0.00204

**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY VARIOUS METHODS	Regulatory Level (mg/L) <sup>(1)</sup>	Regulatory Level x 20 <sup>(2)</sup>	490-66957-3 Tract 4A SB-1 (0-2) 11/20/2014			490-66957-4 Tract 4A SB-1 (32-36) 11/20/2014			490-66802-3 TRACT 4B SB-1 (1-3) 11/19/2014			490-66802-4 TRACT 4B SB-1 (18-22) 11/19/2014			490-66802-6 TRACT 4C SB-1 (0-2) 11/19/2014			490-66957-1 Tract 4C SB-1 (42-46) 11/19/2014		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5.0	100	9.49		1.06	8.84		1.60	2.68		1.09	12.4		1.71	3.71		1.01	5.90		1.60
Barium	100	2000	21.0		1.88	48.5		2.85	31.2		1.93	34.8		3.04	14.0		1.80	48.7		2.84
Benzene	0.5	10	0.000685	J	0.000628	< 0.00141		0.00141	< 0.000550		0.000550	0.00154	J	0.00142	< 0.000719		0.000719	< 0.00122		0.00122
Cadmium	1.0	20	0.118	J	0.118	0.499	J	0.178	< 0.121		0.121	< 0.190		0.190	< 0.112		0.112	< 0.178		0.178
Carbon Tetrachloride	0.5	10	< 0.000628		0.000628	< 0.00141		0.00141	< 0.000550	*	0.000550	< 0.00142	*	0.00142	< 0.000719		0.000719	< 0.00122		0.00122
Chlordane	0.03	0.6	< 0.0360		0.0360	< 0.0362		0.0362	< 0.0433		0.0433	< 0.0697		0.0697	< 0.0408		0.0408	< 0.0389		0.0389
Chlorobenzene	100.0	2000	< 0.000628		0.000628	< 0.00141		0.00141	< 0.000550		0.000550	< 0.00142		0.00142	< 0.000719		0.000719	< 0.00122		0.00122
Chloroform	6.0	120	< 0.000628		0.000628	< 0.00141		0.00141	< 0.000550		0.000550	< 0.00142		0.00142	< 0.000719		0.000719	< 0.00122		0.00122
Chromium	5.0	100	21.5		0.707	16.7		1.07	16.2		0.725	49.7		1.14	6.00		0.674	22.0		1.07
1,4-Dichlorobenzene	7.5	150	< 0.000628		0.000628	< 0.00141		0.00141	< 0.000550		0.000550	< 0.00142		0.00142	< 0.000719		0.000719	< 0.00122		0.00122
1,2-Dichloroethane	0.5	10	< 0.000628		0.000628	< 0.00141		0.00141	< 0.000550		0.000550	< 0.00142		0.00142	< 0.000719		0.000719	< 0.00122		0.00122
1,1-Dichloroethene	0.7	14	< 0.000534		0.000534	< 0.00120		0.00120	< 0.000468		0.000468	< 0.00121		0.00121	< 0.000612		0.000612	< 0.00104		0.00104
2,4-Dinitrotoluene	0.13	2.6	< 0.00879		0.00879	< 0.00872		0.00872	< 0.00839		0.00839	< 0.00895		0.00895	< 0.00864		0.00864	< 0.00892		0.00892
Endrin	0.02	0.4	< 0.000426		0.000426	< 0.000429		0.000429	< 0.000513		0.000513	< 0.000825		0.000825	< 0.000484		0.000484	< 0.000461		0.000461
Heptachlor	0.008	0.16	< 0.000416		0.000416	< 0.000419		0.000419	< 0.000501		0.000501	< 0.000806		0.000806	< 0.000473		0.000473	< 0.000451		0.000451
Heptachlor epoxide	0.008	0.16	< 0.000644		0.000644	< 0.000649		0.000649	< 0.000776		0.000776	< 0.00125		0.00125	< 0.000731		0.000731	< 0.000697		0.000697
Hexachlorobenzene	0.13	2.6	< 0.0283		0.0283	< 0.0281		0.0281	< 0.0270		0.0270	< 0.0288		0.0288	< 0.0278		0.0278	< 0.0287		0.0287
Hexachlorobutadiene	0.5	10	< 0.0684		0.0684	< 0.0679		0.0679	< 0.0652		0.0652	< 0.0696		0.0696	< 0.0672		0.0672	< 0.0693		0.0693
Hexachloroethane	3.0	60	< 0.0195		0.0195	< 0.0194		0.0194	< 0.0186		0.0186	< 0.0199		0.0199	< 0.0192		0.0192	< 0.0198		0.0198
Lead	5.0	100	12.9		0.589	63.3		0.891	9.40		0.604	16.9		0.949	12.6		0.562	65.4		0.889
gamma-BHC (Lindane)	0.4	8	< 0.000387		0.000387	< 0.000389		0.000389	< 0.000466		0.000466	< 0.000748		0.000748	< 0.000439		0.000439	< 0.000418		0.000418
Mercury	0.2	4	0.0524	J	0.0337	< 0.0526		0.0526	< 0.0349		0.0349	< 0.0591		0.0591	< 0.0337		0.0337	< 0.0523		0.0523
Methoxychlor	10.0	200	< 0.000486		0.000486	< 0.000489		0.000489	< 0.000585		0.000585	< 0.000940		0.000940	< 0.000551		0.000551	< 0.000526		0.000526
2-Butanone (MEK)	200.0	4000	< 0.00478		0.00478	0.0245	J	0.0108	< 0.00419		0.00419	0.0445	J	0.0108	0.00583	J	0.00548	0.0119	J	0.00931
Nitrobenzene	2.0	40	< 0.0166		0.0166	< 0.0165		0.0165	< 0.0158		0.0158	< 0.0169		0.0169	< 0.0163		0.0163	< 0.0168		0.0168
Pentachlorophenol	100.0	2000	< 0.122		0.122	< 0.121		0.121	< 0.116		0.116	< 0.124		0.124	< 0.120		0.120	< 0.124		0.124
Selenium	1.0	20	< 1.18		1.18	< 1.78		1.78	< 1.21		1.21	2.43	J	1.90	< 1.12		1.12	< 1.78		1.78
Silver	5.0	100	< 0.589		0.589	< 0.891		0.891	< 0.604		0.604	1.56	J	0.949	< 0.562		0.562	< 0.889		0.889
Tetrachloroethene	0.7	14	< 0.000684	*	0.000684	< 0.00154	*	0.00154	< 0.000599		0.000599	< 0.00154		0.00154	< 0.000784		0.000784	< 0.00133	*	0.00133
Toxaphene	0.5	10	< 0.0418		0.0418	< 0.0421		0.0421	< 0.0504		0.0504	< 0.0810		0.0810	< 0.0475		0.0475	< 0.0453		0.0453
Trichloroethene	0.5	10	< 0.000900		0.000900	< 0.00203		0.00203	< 0.000788		0.000788	< 0.00203		0.00203	< 0.00103		0.00103	< 0.00175		0.00175
2,4,5-Trichlorophenol	400.0	8000	< 0.0166		0.0166	< 0.0165		0.0165	< 0.0158		0.0158	< 0.0169		0.0169	< 0.0163		0.0163	< 0.0168		0.0168
2,4,6-Trichlorophenol	2.0	40	< 0.0244		0.0244	< 0.0242		0.0242	< 0.0233		0.0233	< 0.0249		0.0249	< 0.0240		0.0240	< 0.0248		0.0248
Vinyl chloride	0.2	4	< 0.00103		0.00103	< 0.00232		0.00232	< 0.000903		0.000903	< 0.00233		0.00233	< 0.00118		0.00118	< 0.00201		0.00201



**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY VARIOUS METHODS	Regulatory Level (mg/L) <sup>(1)</sup>	Regulatory Level x 20 <sup>(2)</sup>	490-67111-1 TRACT 4D SB-1 (0-2) 11/21/2014			490-67111-2 TRACT 4D SB-1 (6-10) 11/21/2014			490-37637-1 Tract 6 SB-1 (0-2) 10/10/2013			490-37637-2 Tract 6 SB-1 (10-14) 10/10/2013			490-37637-4 Tract 6 SB-2 (0-2) 10/10/2013			490-37637-5 Tract 6 SB-2 (10-14) 10/10/2013		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5.0	100	8.16	1.03	< 1.21	1.21	5.30	1.10	78.0	12.7	24.9	1.65	5.45	1.24						
Barium	100	2000	39.2	1.81	66.5	2.11	71.6	0.231	65.5	2.67	42.8	0.347	15.9	0.262						
Benzene	0.5	10	< 0.000716	0.000716	< 0.000726	0.000726	< 0.000689	0.000689	< 0.000862	0.000862	0.00217	J	0.00116	< 0.000895	0.000895					
Cadmium	1.0	20	2.05	0.114	< 0.135	0.135	0.162	J	0.116	< 1.34	1.34	0.243	J	0.174	< 0.131	0.131				
Carbon Tetrachloride	0.5	10	< 0.000716	0.000716	< 0.000726	0.000726	< 0.000689	0.000689	< 0.000862	0.000862	< 0.00116	0.00116	< 0.000895	0.000895						
Chlordane	0.03	0.6	< 0.361	0.361	< 0.0352	0.0352	< 0.0421	0.0421	< 0.0493	0.0493	<b>1.35</b>	0.654	< 0.0483	0.0483						
Chlorobenzene	100.0	2000	< 0.000716	0.000716	< 0.000726	0.000726	< 0.000689	0.000689	< 0.000862	0.000862	< 0.00116	0.00116	< 0.000895	0.000895						
Chloroform	6.0	120	< 0.000716	0.000716	< 0.000726	0.000726	< 0.000689	0.000689	< 0.000862	0.000862	< 0.00116	0.00116	< 0.000895	0.000895						
Chromium	5.0	100	20.7	0.684	2.18	0.807	20.7	0.347	27.5	4.01	62.5	0.521	16.1	0.393						
1,4-Dichlorobenzene	7.5	150	< 0.000716	0.000716	< 0.000726	0.000726	< 0.000689	0.000689	< 0.000862	0.000862	< 0.00116	0.00116	< 0.000895	0.000895						
1,2-Dichloroethane	0.5	10	< 0.000716	0.000716	< 0.000726	0.000726	< 0.000689	0.000689	< 0.000862	0.000862	< 0.00116	0.00116	< 0.000895	0.000895						
1,1-Dichloroethene	0.7	14	< 0.000609	0.000609	< 0.000618	0.000618	< 0.000586	0.000586	< 0.000733	0.000733	< 0.000990	0.000990	< 0.000761	0.000761						
2,4-Dinitrotoluene	0.13	2.6	< 0.00895	0.00895	< 0.00893	0.00893	< 0.00894	0.00894	< 0.00885	0.00885	< 0.00898	0.00898	< 0.00899	0.00899						
Endrin	0.02	0.4	< 0.00427	0.00427	< 0.000416	0.000416	< 0.000499	0.000499	< 0.000584	0.000584	< 0.00775	0.00775	< 0.000573	0.000573						
Heptachlor	0.008	0.16	< 0.00417	0.00417	< 0.000407	0.000407	< 0.000487	0.000487	< 0.000570	0.000570	0.0973	0.00757	< 0.000559	0.000559						
Heptachlor epoxide	0.008	0.16	< 0.00646	0.00646	< 0.000630	0.000630	< 0.000754	0.000754	< 0.000882	0.000882	0.0602	0.0117	< 0.000866	0.000866						
Hexachlorobenzene	0.13	2.6	< 0.0288	0.0288	< 0.0288	0.0288	< 0.0288	0.0288	< 0.0285	0.0285	< 0.0289	0.0289	< 0.0290	0.0290						
Hexachlorobutadiene	0.5	10	< 0.0696	0.0696	< 0.0695	0.0695	< 0.0695	0.0695	< 0.0688	0.0688	< 0.0698	0.0698	< 0.0699	0.0699						
Hexachloroethane	3.0	60	< 0.0199	0.0199	< 0.0199	0.0199	< 0.0199	0.0199	< 0.0197	0.0197	< 0.0200	0.0200	< 0.0200	0.0200						
Lead	5.0	100	<b>138</b>	B	0.570	0.673	<b>253</b>	0.810	15.8	9.35	69.7	1.22	11.0	0.917						
gamma-BHC (Lindane)	0.4	8	< 0.00388	0.00388	< 0.000378	0.000378	< 0.000453	0.000453	< 0.000529	0.000529	< 0.00703	0.00703	< 0.000519	0.000519						
Mercury	0.2	4	0.0853	J	0.0330	0.0408	0.202	0.0341	0.240	0.0397	< 0.0527	0.0527	< 0.0403	0.0403						
Methoxychlor	10.0	200	< 0.00487	0.00487	< 0.000475	0.000475	< 0.000569	0.000569	< 0.000665	0.000665	< 0.00883	0.00883	< 0.000653	0.000653						
2-Butanone (MEK)	200.0	4000	< 0.00545	0.00545	< 0.00553	0.00553	0.0232	J	0.00524	< 0.00656	0.00656	0.0447	J	0.00886	0.00742	J	0.00681			
Nitrobenzene	2.0	40	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0167	0.0167	< 0.0170	0.0170	< 0.0170	0.0170						
Pentachlorophenol	100.0	2000	< 0.124	0.124	< 0.124	0.124	< 0.0124	0.124	< 0.123	0.123	< 0.125	0.125	< 0.125	0.125						
Selenium	1.0	20	< 1.14	1.14	< 1.35	1.35	< 1.73	1.73	< 20.0	20.0	< 2.61	2.61	< 1.97	1.97						
Silver	5.0	100	< 0.570	0.570	< 0.673	0.673	< 0.347	0.347	< 4.01	4.01	< 0.521	0.521	< 0.393	0.393						
Tetrachloroethene	0.7	14	< 0.000781	0.000781	< 0.000791	* 0.000791	< 0.000751	0.000751	< 0.000939	0.000939	< 0.00127	0.00127	< 0.000975	0.000975						
Toxaphene	0.5	10	< 0.419	0.419	< 0.0409	0.0409	< 0.0490	0.0490	< 0.0573	0.0573	< 0.761	0.761	< 0.0562	0.0562						
Trichloroethene	0.5	10	< 0.00103	0.00103	< 0.00104	0.00104	< 0.000987	0.000987	< 0.00124	0.00124	< 0.00167	0.00167	< 0.00128	0.00128						
2,4,5-Trichlorophenol	400.0	8000	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0169	0.0169	< 0.0167	0.0167	< 0.0170	0.0170	< 0.0170	0.0170						
2,4,6-Trichlorophenol	2.0	40	< 0.0249	0.0249	< 0.0248	0.0248	< 0.0248	0.0248	< 0.0246	0.0246	< 0.0249	0.0249	< 0.0250	0.0250						
Vinyl chloride	0.2	4	< 0.00118	0.00118	< 0.00119	0.00119	< 0.00113	0.00113	< 0.00142	0.00142	< 0.00191	0.00191	< 0.00147	0.00147						

**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY VARIOUS METHODS	Regulatory Level (mg/L) <sup>(1)</sup>	Regulatory Level x 20 <sup>(2)</sup>	NVL1567-01 Tract 22 SB-1 (0-2) 12/08/2011			NVL1567-02 Tract 22 SB-1 (4-8) 12/08/2011			NVL1390-01-RE1 Tract 24 SB-1 (0-2) 12/07/2011			NVL1390-02-RE1 Tract 24 SB-1 (2-6) 12/07/2011			NVL1390-04 Tract 24 SB-2 (0-2) 12/07/2011			NVL1390-05 Tract 24 SB-2 (10-14) 12/07/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5.0	100	8.14		0.654	5.68		0.637	3.46		0.580	8.62		0.623	<0.533		0.533	1.16	J	0.614
Barium	100	2000	165		1.31	37.8		1.27	17.5		1.16	23.3		1.25	4.45		1.07	8.38		1.23
Benzene	0.5	10	<0.00130		0.00130	<0.00126		0.00126	0.117		0.0521	<0.0529		0.0529	0.00227		0.00109	<0.00113		0.00113
Cadmium	1.0	20	<0.654		0.654	<0.637		0.637	<0.580		0.580	1.59		0.623	<0.533		0.533	<0.614		0.614
Carbon Tetrachloride	0.5	10	<0.00118		0.00118	<0.00114		0.00114	<0.0473		0.0473	<0.0480		0.0480	<0.000988		0.000988	<0.00103		0.00103
Chlordane	0.03	0.6			NA			NA			NA			NA			NA			NA
Chlorobenzene	100.0	2000	<0.00130		0.00130	<0.00126		0.00126	<0.0521		0.0521	<0.0529		0.0529	<0.00109		0.00109	<0.00113		0.00113
Chloroform	6.0	120	<0.00153	L	0.00153	<0.00148	L	0.00148	<0.0615		0.0615	<0.0625		0.0625	<0.00128		0.00128	<0.00134		0.00134
Chromium	5.0	100	36.5		0.654	17.4		0.637	6.50		0.580	21.2		0.623	1.90		0.533	7.47		0.614
1,4-Dichlorobenzene	7.5	150	<0.00130		0.00130	<0.00126		0.00126	<0.0521		0.0521	<0.0529		0.0529	<0.00109		0.00109	<0.00113		0.00113
1,2-Dichloroethane	0.5	10	<0.00130		0.00130	<0.00126		0.00126	<0.0521		0.0521	<0.0529		0.0529	<0.00109		0.00109	<0.00113		0.00113
1,1-Dichloroethene	0.7	14	<0.00141		0.00141	<0.00137		0.00137	<0.0568		0.0568	<0.0577		0.0577	<0.00119		0.00119	<0.00124		0.00124
2,4-Dinitrotoluene	0.13	2.6	<0.221		0.221	<0.220		0.220	<0.198		0.198	<0.203		0.203	<0.176		0.176	<0.207		0.207
Endrin	0.02	0.4			NA			NA			NA			NA			NA			NA
Heptachlor	0.008	0.16			NA			NA			NA			NA			NA			NA
Heptachlor epoxide	0.008	0.16			NA			NA			NA			NA			NA			NA
Hexachlorobenzene	0.13	2.6	<0.221		0.221	<0.220		0.220	<0.198		0.198	<0.203		0.203	<0.176		0.176	<0.207		0.207
Hexachlorobutadiene	0.5	10	<0.221		0.221	<0.220		0.220	<0.198		0.198	<0.203		0.203	<0.176		0.176	<0.207		0.207
Hexachloroethane	3.0	60	<0.221		0.221	<0.220		0.220	<0.198		0.198	<0.203		0.203	<0.176		0.176	<0.207		0.207
Lead	5.0	100	378		0.654	57.6		0.637	29.5		0.580	14.0		0.623	11.7		0.533	3.47		0.614
gamma-BHC (Lindane)	0.4	8			NA			NA			NA			NA			NA			NA
Mercury	0.2	4	0.220		0.069	<0.065		0.065	<0.058		0.058	<0.062		0.062	<0.053		0.053	<0.062		0.062
Methoxychlor	10.0	200			NA			NA			NA			NA			NA			NA
2-Butanone (MEK)	200.0	4000	<0.0295		0.0295	<0.0285		0.0285	<1.18		1.18	<1.20		1.20	<0.0247		0.0247	<0.0258		0.0258
Nitrobenzene	2.0	40	<0.221		0.221	<0.220		0.220	<0.198		0.198	<0.203		0.203	<0.176		0.176	<0.207		0.207
Pentachlorophenol	100.0	2000	<0.221		0.221	<0.220		0.220	<0.198		0.198	<0.203		0.203	<0.176		0.176	<0.207		0.207
Selenium	1.0	20	<1.31		1.31	<1.27		1.27	<1.16		1.16	<1.25		1.25	<1.07		1.07	<1.23		1.23
Silver	5.0	100	<0.654		0.654	<0.637		0.637	<0.580		0.580	<0.623		0.623	<0.533		0.533	<0.614		0.614
Tetrachloroethene	0.7	14	<0.00153		0.00153	<0.00148		0.00148	<0.0615		0.0615	<0.0625		0.0625	<0.00128		0.00128	<0.00134		0.00134
Toxaphene	0.5	10			NA			NA			NA			NA			NA			NA
Trichloroethene	0.5	10	<0.00118		0.00118	<0.00114		0.00114	<0.0473		0.0473	<0.0480		0.0480	<0.000988		0.000988	<0.00103		0.00103
2,4,5-Trichlorophenol	400.0	8000	<0.221		0.221	<0.220		0.220	<0.198		0.198	<0.203		0.203	<0.176		0.176	<0.207		0.207
2,4,6-Trichlorophenol	2.0	40	<0.221		0.221	<0.220		0.220	<0.198		0.198	<0.203		0.203	<0.176		0.176	<0.207		0.207
Vinyl chloride	0.2	4	<0.00118		0.00118	<0.00114		0.00114	<0.0473		0.0473	<0.0480		0.0480	<0.000988		0.000988	<0.00103		0.00103

**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY VARIOUS METHODS	Regulatory Level (mg/L) <sup>(1)</sup>	Regulatory Level x 20 <sup>(2)</sup>	NWA4535-01-RE1 Tract 26 SB-1 (0-2) 01/26/2012			NWA4535-02 Tract 26 SB-1 (52-55) 01/26/2012			NUK1792-05 Tract 28 SB-1 (0-2) 11/10/2011			490-37157-1 Tract 29 SB-1 (0-2) 10/07/2013			490-37157-2 Tract 29 SB-1 (4-8) 10/07/2013			490-37270-1 Tract 29 SB- 2 (0-2) 10/08/2013			490-37270-2 Tract 29 SB-2 (4-8) 10/08/2013		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5.0	100	3.51		0.502	0.657	J	0.498	3.16		0.598	1.09	J	0.981	<1.04		1.04	1.33	J	1.12	1.61	J	1.14
Barium	100	2000	33.0		1.00	9.06		0.996	25.8		1.20	8.36		0.206	17.8		0.219	15.1		0.237	15.8		0.240
Benzene	0.5	10	<0.00112		0.00112	0.00584		0.00106	0.00178	J	0.00121	<0.000643		0.000643	<0.000596		0.000596	<0.000801		0.000801	<0.000668		0.000668
Cadmium	1.0	20	<0.502		0.502	<0.498		0.498	<0.598		0.598	<0.103		0.310	1.07	J	0.110	0.592	J	0.118	0.960	J	0.120
Carbon Tetrachloride	0.5	10	<0.00102		0.00102	<0.000962		0.000962	<0.00110		0.00110	<0.000643		0.000643	<0.00596		0.000596	<0.000801		0.000801	<0.000668		0.000668
Chlordane	0.03	0.6	<0.662		0.662	<0.0331		0.0331	<0.0817		0.0817	<0.0352		0.0352	<0.357		0.357	<0.0356		0.0356	<0.0358		0.0358
Chlorobenzene	100.0	2000	<0.0533	RL1	0.0533	<0.00106		0.00106	<0.00121		0.00121	<0.000643		0.000643	<0.000596		0.000596	<0.000801		0.000801	<0.000668		0.000668
Chloroform	6.0	120	<0.00133		0.00133	<0.00125		0.00125	<0.00143		0.00143	<0.000643		0.000643	<0.000596		0.000596	<0.000801		0.000801	<0.000668		0.000668
Chromium	5.0	100	7.93		0.502	4.32		0.498	15.5		0.598	31.2		0.310	1490		1.64	1290		1.77	18.0		0.360
1,4-Dichlorobenzene	7.5	150	<0.0533	RL1	0.0533	<0.00106		0.00106	<0.00121		0.00121	<0.0452		0.0452	<0.000596		0.000596	<0.000801		0.000801	<0.000668		0.000668
1,2-Dichloroethane	0.5	10	0.00129	J	0.00112	<0.00106		0.00106	<0.00121		0.00121	<0.000643		0.000643	<0.000596		0.000596	<0.000801		0.000801	<0.000668		0.000668
1,1-Dichloroethene	0.7	14	<0.00122		0.00122	<0.00115		0.00115	<0.00132		0.00132	<0.000643		0.000643	<0.000596		0.000596	<0.000801		0.000801	<0.000668		0.000668
2,4-Dinitrotoluene	0.13	2.6	<0.166		0.166	<0.166		0.166	<0.206		0.206	<0.00892		0.00892	<0.00899		0.00899	<0.00887		0.00887	<0.00887		0.00887
Endrin	0.02	0.4	<0.0167		0.0167	<0.000834		0.000834	<0.00206		0.00206	<0.000417		0.000417	<0.00423		0.00423	<0.000422		0.000422	<0.000424		0.000424
Heptachlor	0.008	0.16	<0.0167		0.0167	<0.000834		0.000834	<0.00206		0.00206	<0.000408		0.000408	<0.00414		0.00414	<0.000412		0.000412	<0.000414		0.000414
Heptachlor epoxide	0.008	0.16	<0.0167		0.0167	<0.000834		0.000834	<0.00206		0.00206	<0.000631		0.000631	<0.00640		0.00640	<0.000638		0.000638	<0.000641		0.000641
Hexachlorobenzene	0.13	2.6	<0.166		0.166	<0.166		0.166	<0.206		0.206	<0.0287		0.0287	<0.0290		0.0290	<0.0286		0.0286	<0.0286		0.0286
Hexachlorobutadiene	0.5	10	<0.166		0.166	<0.166		0.166	<0.206		0.206	<0.0694		0.0694	<0.0699		0.0699	<0.0690		0.0690	<0.0690		0.0690
Hexachloroethane	3.0	60	<0.166		0.166	<0.166		0.166	<0.206		0.206	<0.0198		0.0198	<0.0200		0.0200	<0.0197		0.0197	<0.0197		0.0197
Lead	5.0	100	101		0.502	0.916	J	0.498	62.7		0.598	3.90		0.723	519		0.767	18.6		0.828	11.8		0.840
gamma-BHC (Lindane)	0.4	8	<0.0167		0.0167	<0.000834		0.000834	<0.00206		0.00206	<0.000379		0.000379	<0.00384		0.00384	<0.000383		0.000383	<0.000385		0.000385
Mercury	0.2	4	0.050	J	0.049	<0.049		0.049	0.092	J	0.061	<0.0307		0.0307	0.0346	J	0.0331	0.0808	J	0.0358	<0.0365		0.0365
Methoxychlor	10.0	200	<0.0167		0.0167	<0.000834		0.000834	<0.00206		0.00206	<0.000476		0.000476	<0.00482		0.00482	<0.000481		0.000481	<0.00484		0.000484
2-Butanone (MEK)	200.0	4000	<0.0255		0.0255	<0.0240		0.0240	<0.0275		0.0275	<0.00489		0.00489	<0.00454		0.00454	0.0229	J	0.00610	0.00581	J	0.00509
Nitrobenzene	2.0	40	<0.166		0.166	<0.166		0.166	<0.206		0.206	<0.0169		0.0169	<0.0170		0.0170	<0.0168		0.0168	<0.0168		0.0168
Pentachlorophenol	100.0	2000	<0.166		0.166	<0.166		0.166	<0.206		0.206	<0.0159		0.0159	<0.0160		0.0160	<0.0158		0.0158	<0.0158		0.0158
Selenium	1.0	20	<1.00		1.00	<0.996		0.996	<1.20		1.20	<1.55		1.55	<1.64		1.64	<1.77		1.77	<1.80		1.80
Silver	5.0	100	<0.502		0.502	<0.498		0.498	<0.598		0.598	<0.310		0.310	<0.329		0.329	<0.355		0.355	<0.360		0.360
Tetrachloroethene	0.7	14	<0.0630	RL1	0.0630	<0.00125		0.00125	<0.00143		0.00143	<0.000700		0.000700	<0.000649		0.000649	<0.000873		0.000873	<0.000728		0.000728
Toxaphene	0.5	10	<0.838		0.838	<0.0419		0.0419	<0.104		0.104	<0.0410		0.0410	<0.416		0.416	<0.0414		0.0414	<0.0416		0.0416
Trichloroethene	0.5	10	<0.00102		0.00102	<0.000962		0.000962	<0.00110		0.00110	<0.000921		0.000921	<0.000854		0.000854	<0.00115		0.00115	<0.000957		0.000957
2,4,5-Trichlorophenol	400.0	8000	<0.166		0.166	<0.166		0.166	<0.206		0.206	<0.0169		0.0169	<0.0170		0.0170	<0.0168		0.0168	<0.0168		0.0168
2,4,6-Trichlorophenol	2.0	40	<0.166		0.166	<0.166		0.166	<0.206		0.206	<0.0248		0.0248	<0.0250		0.0250	<0.0246		0.0246	<0.0247		0.0247
Vinyl chloride	0.2	4	<0.00102		0.00102	<0.000962		0.000962	<0.00110		0.00110	<0.00105		0.00105	<0.000978		0.000978	<0.00132		0.00132	<0.00110		0.00110

**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY VARIOUS METHODS	Regulatory Level (mg/L) <sup>(1)</sup>	Regulatory Level x 20 <sup>(2)</sup>	490-37270-6 Tract 33 SB-1 (0-2) 10/08/2013			490-37270-7 Tract 33 SB-1 (4-8) 10/08/2013			490-37411-1 Tract 33 SB-2 (0-2) 10/09/2013			490-37411-2 Tract 33 SB-2 (10-14) 10/09/2013			490-37411-6 Tract 33 SB-3 (0-2) 10/09/2013			490-37411-7 Tract 33 SB-3 (14-18) 10/09/2013		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5.0	100	3.61		1.03	3.05		1.08	27.1		10.2	1.36	J	1.19	2.06	J	1.10	11.5		2.72
Barium	100	2000	29.2		0.216	29.6		0.228	55.1		2.15	13.5		0.251	97.6		0.232	14.0		0.572
Benzene	0.5	10	<0.000687		0.000687	<0.000714		0.000714	<0.000660		0.000660	<0.000649		0.000649	<0.000905		0.000905	<0.00176		0.00176
Cadmium	1.0	20	1.34		0.108	1.18		0.114	20.9		1.08	0.452	J	0.126	0.162	J	0.116	0.458	J	0.286
Carbon Tetrachloride	0.5	10	<0.000687		0.000687	<0.000714		0.000714	<0.000660		0.000660	<0.000649		0.000649	<0.000905		0.000905	<0.00176		0.00176
Chlordane	0.03	0.6	<0.0362		0.0362	<0.0359		0.0359	0.598	J	0.359	<0.0356		0.0356	<0.0354		0.0354	<0.0360		0.0360
Chlorobenzene	100.0	2000	<0.000687		0.000687	<0.000714		0.000714	0.00429		0.000660	<0.000649		0.000649	<0.000905		0.000905	<0.00176		0.00176
Chloroform	6.0	120	<0.000687		0.000687	<0.000714		0.000714	<0.000660		0.000660	<0.000649		0.000649	<0.000905		0.000905	<0.00176		0.00176
Chromium	5.0	100	14.1		0.324	10.2		0.342	51.4		3.23	11.5		0.377	12.3		0.347	23.2		0.859
1,4-Dichlorobenzene	7.5	150	<0.000687		0.000687	<0.000714		0.000714	0.00259		0.000660	<0.000649		0.000649	<0.000905		0.000905	<0.248		0.248
1,2-Dichloroethane	0.5	10	<0.000687		0.000687	<0.000714		0.000714	<0.000660		0.000660	<0.000649		0.000649	<0.000905		0.000905	<0.00176		0.00176
1,1-Dichloroethene	0.7	14	<0.000687		0.000687	<0.000714		0.000714	<0.000660		0.000660	<0.000649		0.000649	<0.000905		0.000905	<0.00176		0.00176
2,4-Dinitrotoluene	0.13	2.6	<0.00896		0.00896	<0.00883		0.00883	<0.00876		0.00876	<0.00879		0.00879	<0.00876		0.00876	<0.000897		0.00897
Endrin	0.02	0.4	<0.000429		0.000429	<0.000426		0.000426	<0.000425		0.000425	<0.000422		0.000422	<0.000420		0.000420	<0.000427		0.000427
Heptachlor	0.008	0.16	<0.000419		0.000419	<0.000416		0.000416	0.00206	p	0.000416	<0.000412		0.000412	<0.000410		0.000410	<0.000417		0.000417
Heptachlor epoxide	0.008	0.16	<0.000648		0.000648	<0.000643		0.000643	<0.000643		0.000643	<0.000637		0.000637	<0.00634		0.00634	<0.000645		0.000645
Hexachlorobenzene	0.13	2.6	<0.0289		0.0289	<0.0284		0.0284	<0.0282		0.0282	<0.0283		0.0283	<0.0282		0.0282	<0.0289		0.0289
Hexachlorobutadiene	0.5	10	<0.0697		0.0697	<0.0687		0.0687	<0.0681		0.0681	<0.0684		0.0684	<0.0681		0.0681	<0.0698		0.0698
Hexachloroethane	3.0	60	<0.0199		0.0199	<0.0196		0.0196	<0.0195		0.0195	<0.0195		0.0195	<0.0195		0.0195	<0.0199		0.0199
Lead	5.0	100	8.56		0.757	5.97		0.797	49.5		7.53	3.04		0.880	61.6		0.811	12.0		2.00
gamma-BHC (Lindane)	0.4	8	<0.000389		0.000389	<0.000386		0.000386	<0.000386		0.000386	<0.000382		0.000382	<0.000380		0.000380	<0.000387		0.000387
Mercury	0.2	4	0.0879	J	0.0338	<0.0333		0.0333	0.0343	J	0.0326	0.0516	J	0.0373	0.141		0.0345	<0.0840		0.0840
Methoxychlor	10.0	200	<0.000489		0.000489	<0.000485		0.000485	<0.00970		0.00970	<0.000480		0.000480	<0.00956		0.00956	<0.000486		0.000486
2-Butanone (MEK)	200.0	4000	<0.00523		0.00523	<0.00544		0.00544	0.00594	J	0.00503	<0.00494		0.00494	<0.00689		0.00689	0.0161	J	0.0134
Nitrobenzene	2.0	40	<0.0169		0.0169	<0.0167		0.0167	<0.0165		0.0165	<0.0166		0.0166	<0.0165		0.0165	<0.0169		0.0169
Pentachlorophenol	100.0	2000	<0.0159		0.0159	<0.0157		0.0157	<0.0156		0.0156	<0.0156		0.0156	<0.0156		0.0156	<0.0159		0.0159
Selenium	1.0	20	<1.62		1.62	<1.71		1.71	<16.4		16.1	<1.89		1.89	<1.74		1.74	<4.29		4.29
Silver	5.0	100	<0.324		0.324	<0.342		0.342	<3.23		3.23	<0.377		0.377	<0.347		0.347	<0.859		0.859
Tetrachloroethene	0.7	14	<0.000748		0.000748	<0.000778		0.000778	<0.000719		0.000719	<0.000707		0.000707	<0.00986		0.00986	<0.00191		0.00191
Toxaphene	0.5	10	<0.0421		0.0421	<0.0418		0.0418	<0.0418		0.0418	<0.0414		0.0414	<0.0412		0.0412	<0.419		0.419
Trichloroethene	0.5	10	<0.000984		0.000984	<0.00102		0.00102	<0.000946		0.000946	<0.000930		0.000930	<0.00130		0.00130	<0.00252		0.00252
2,4,5-Trichlorophenol	400.0	8000	<0.0169		0.0169	<0.0167		0.0167	<0.0165		0.0165	<0.0166		0.0166	<0.0165		0.0165	<0.0169		0.0169
2,4,6-Trichlorophenol	2.0	40	<0.0249		0.0249	<0.0245		0.0245	<0.0243		0.0243	<0.0244		0.0244	<0.0243		0.0243	<0.0249		0.0249
Vinyl chloride	0.2	4	<0.00113		0.00113	<0.00117		0.00117	<0.00108		0.00108	<0.00107		0.00107	<0.00149		0.00149	<0.00288		0.00288

**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY VARIOUS METHODS	Regulatory Level (mg/L) <sup>(1)</sup>	Regulatory Level x 20 <sup>(2)</sup>	490-37639-1 TRACT 33 SB-4 (0-2) 10/11/2013			490-37639-2 TRACT 33 SB-4 (22-26) 10/11/2013			NUK1675-01 Tract 35 SB-1 (0-2) 11/09/2011			NUK1675-02 Tract 35 SB-1 (12-16) 11/08/2011			NUK1675-04 Tract 35 SB-2 (0-2) 11/09/2011			NUK1675-05 Tract 35 SB-2 (24-28) 11/09/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
			Arsenic	5.0	100	2.87		1.07	6.91		1.29	5.82		0.846	16.0		1.02	6.24		0.703
Barium	100	2000	41.5		0.226	21.0		0.272	5.58		1.69	7.89		2.03	24.2		1.41	10.3		1.83
Benzene	0.5	10	0.00112	J	0.000650	0.00196	J	0.000935	0.00312	J	0.00206	<0.00264		0.00264	0.00214	J	0.00144	<0.00243		0.00243
Cadmium	1.0	20	0.226	J	0.113	<0.136		0.136	<0.846		0.846	<1.02		1.02	<0.703		0.703	<0.916		0.916
Carbon Tetrachloride	0.5	10	<0.000650		0.000650	<0.000935		0.000935	<0.00187		0.00187	<0.00240		0.00240	<0.00131		0.00131	<0.00221		0.00221
Chlordane	0.03	0.6	<0.399		0.399	<0.0504		0.0504	<0.0578		0.0578	<0.0677		0.0677	<0.183	QSU, RL1	0.183	<0.0618		0.0618
Chlorobenzene	100.0	2000	<0.000650		0.000650	<0.000935		0.000935	<0.00206		0.00206	<0.00264		0.00264	0.00147	J	0.00144	<0.00243		0.00243
Chloroform	6.0	120	<0.000650		0.000650	<0.000935		0.000935	<0.00243		0.00243	<0.00313		0.00313	<0.00170		0.00170	<0.00288		0.00288
Chromium	5.0	100	108		0.339	17.8		0.408	43.3		0.846	15.5		1.02	10.2		0.703	12.0		0.916
1,4-Dichlorobenzene	7.5	150	<0.000650		0.000650	<0.000935		0.000935	<0.00206		0.00206	<0.00264		0.00264	0.0229		0.00144	<0.00243		0.00243
1,2-Dichloroethane	0.5	10	<0.000650		0.000650	<0.000935		0.000935	<0.00206		0.00206	<0.00264		0.00264	<0.00144		0.00144	<0.00243		0.00243
1,1-Dichloroethene	0.7	14	<0.000650		0.000650	<0.000935		0.000935	<0.00225		0.00225	<0.00289		0.00289	<0.00157		0.00157	<0.00265		0.00265
2,4-Dinitrotoluene	0.13	2.6	<0.00881		0.00881	<0.00887		0.00887	<0.288		0.288	<0.341		0.341	<0.230		0.230	<0.311		0.311
Endrin	0.02	0.4	<0.00472		0.00472	<0.000597		0.000597	<0.00146		0.00146	<0.00171		0.00171	<0.00463	QSU, RL1	0.00463	<0.00156		0.00156
Heptachlor	0.008	0.16	<0.00462		0.00462	<0.000583		0.000583	<0.00146		0.00146	<0.00171		0.00171	<0.00463	QSU, RL1	0.00463	<0.00156		0.00156
Heptachlor epoxide	0.008	0.16	<0.00714		0.00714	<0.000902		0.000902	<0.00146		0.00146	<0.00171		0.00171	<0.00463	QSU, RL1	0.00463	<0.00156		0.00156
Hexachlorobenzene	0.13	2.6	<0.0284		0.0284	<0.0286		0.0286	<0.288		0.288	<0.341		0.341	<0.230		0.230	<0.311		0.311
Hexachlorobutadiene	0.5	10	<0.0685		0.0685	<0.0690		0.0690	<0.288		0.288	<0.341		0.341	<0.230		0.230	<0.311		0.311
Hexachloroethane	3.0	60	<0.0196		0.0196	<0.0197		0.0197	<0.288		0.288	<0.341		0.341	<0.230		0.230	<0.311		0.311
Lead	5.0	100	49.0		0.791	10.4		0.953	<0.846		0.846	11.6		1.02	41.3		0.703	<0.916		0.916
gamma-BHC (Lindane)	0.4	8	<0.00429		0.00429	<0.000541		0.000541	<0.00146		0.00146	<0.00171		0.00171	<0.00463	QSU, RL1	0.00463	<0.00156		0.00156
Mercury	0.2	4	0.0733	J	0.0336	<0.0423		0.0423	<0.086		0.086	<0.10		0.10	<0.067		0.067	<0.093		0.093
Methoxychlor	10.0	200	<0.00538		0.00538	<0.000680		0.000680	<0.00146		0.00146	<0.00171		0.00171	<0.00463	QSU, RL1	0.00463	<0.00156		0.00156
2-Butanone (MEK)	200.0	4000	<0.00495		0.00495	0.0154	J	0.00712	<0.0468		0.0468	<0.0601		0.0601	0.0741		0.0328	<0.0553		0.0553
Nitrobenzene	2.0	40	<0.0166		0.0166	<0.0167		0.0167	<0.288		0.288	<0.341		0.341	<0.230		0.230	<0.311		0.311
Pentachlorophenol	100.0	2000	<0.0157		0.0157	<0.0158		0.0158	<0.288		0.288	<0.341		0.341	<0.230		0.230	<0.311		0.311
Selenium	1.0	20	<1.70		1.70	<2.04		2.04	<1.69		1.69	<2.03		2.03	<1.41		1.41	<1.83		1.83
Silver	5.0	100	<0.339		0.339	<0.408		0.408	<0.846		0.846	<1.02		1.02	<0.703		0.703	<0.916		0.916
Tetrachloroethene	0.7	14	<0.00708		0.000708	<0.00102		0.00102	<0.00243		0.00243	<0.00313		0.00313	<0.00170		0.00170	<0.00288		0.00288
Toxaphene	0.5	10	<0.464		0.464	<0.0586		0.0586	<0.0732		0.0732	<0.0858		0.0858	<0.232	QSU, RL1	0.232	<0.0783		0.0783
Trichloroethene	0.5	10	<0.000931		0.000931	<0.00134		0.00134	<0.00187		0.00187	<0.00240		0.00240	<0.00131		0.00131	<0.00221		0.00221
2,4,5-Trichlorophenol	400.0	8000	<0.0166		0.0166	<0.0167		0.0167	<0.288		0.288	<0.341		0.341	<0.230		0.230	<0.311		0.311
2,4,6-Trichlorophenol	2.0	40	<0.0245		0.0245	<0.0246		0.0246	<0.288		0.288	<0.341		0.341	<0.230		0.230	<0.311		0.311
Vinyl chloride	0.2	4	<0.00107		0.00107	<0.00154		0.00154	<0.00187		0.00187	<0.00240		0.00240	<0.00131		0.00131	<0.00221		0.00221

**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY VARIOUS METHODS	Regulatory Level (mg/L) <sup>(1)</sup>	Regulatory Level x 20 <sup>(2)</sup>	NUK1675-07 Tract 35 SB-3 (0-2) 11/09/2011			NUK1675-09 Tract 35 SB-4 (0-2) 11/09/2011			NUK1675-10 Tract 35 SB-4 (10-14) 11/09/2011			NUK1792-02-RE1 Tract 35 SB-5 (0-2) 11/10/2011			NUK1792-03 Tract 35 SB-5 (4-8) 11/10/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5.0	100	5.12		0.507	1.64		0.619	0.727	J	0.606	17.0	M8	0.583	1.31		0.596
Barium	100	2000	18.9		1.01	99.0		1.24	5.67		1.21	25.4		1.17	20.0		1.19
Benzene	0.5	10	0.00355		0.00105	<0.00124		0.00124	<0.00108		0.00108	<0.000927		0.000927	<0.000989		0.000989
Cadmium	1.0	20	<0.507		0.507	<0.619		0.619	<0.606		0.606	<0.583		0.583	<0.596		0.596
Carbon Tetrachloride	0.5	10	<0.000958		0.000958	<0.00113		0.00113	<0.000979		0.000979	<0.000842		0.000842	<0.000900		0.000900
Chlordane	0.03	0.6	<0.0680	RL1, QSU	0.0680	<0.0818	QSU, RL1	0.0818	<0.0396		0.0396	<0.0766		0.0766	<0.0402		0.0402
Chlorobenzene	100.0	2000	<0.00105		0.00105	<0.00124		0.00124	0.00594		0.00108	<0.000927		0.000927	0.0632		0.000989
Chloroform	6.0	120	<0.00125		0.00125	<0.00147		0.00147	<0.00127		0.00127	<0.00110		0.00110	<0.00117		0.00117
Chromium	5.0	100	12.6		0.507	4.71		0.619	1.79		0.606	14.4		0.583	2.07		0.596
1,4-Dichlorobenzene	7.5	150	<0.00105		0.00105	<0.00124		0.00124	<0.00108		0.00108	<0.000927		0.000927	0.0142		0.000989
1,2-Dichloroethane	0.5	10	<0.00105		0.00105	<0.00124		0.00124	<0.00108		0.00108	<0.000927		0.000927	<0.000989		0.000989
1,1-Dichloroethene	0.7	14	<0.00115		0.00115	<0.00135		0.00135	<0.00117		0.00117	<0.00110		0.00101	<0.00108		0.00108
2,4-Dinitrotoluene	0.13	2.6	<0.0169		0.169	<0.206		0.206	<0.200		0.200	<0.955	RL1	0.955	<0.204		0.204
Endrin	0.02	0.4	0.0259	QSU, RL1	0.00171	<0.00206	RL1, QSU	0.00206	<0.00100		0.00100	<0.00193		0.00193	<0.00101		0.00101
Heptachlor	0.008	0.16	<0.00171	QSU, RL1	0.00171	<0.00206	QSU, RL1	0.00206	<0.00100		0.00100	<0.00193		0.00193	<0.00101		0.00101
Heptachlor epoxide	0.008	0.16	0.00204	J, QSU, RL1	0.00171	<0.00206	QSU, RL1	0.00206	<0.00100		0.00100	<0.00193		0.00193	<0.00101		0.00101
Hexachlorobenzene	0.13	2.6	<0.169		0.169	<0.206		0.206	<0.200		0.200	<0.955	RL1	0.955	<0.204		0.204
Hexachlorobutadiene	0.5	10	<0.169		0.169	<0.206		0.206	<0.200		0.200	<0.955	RL1	0.955	<0.204		0.204
Hexachloroethane	3.0	60	<0.169		0.169	<0.206		0.206	<0.200		0.200	<0.955	RL1	0.955	<0.204		0.204
Lead	5.0	100	49.8		0.507	224		0.619	1.38		0.606	19.7		0.583	4.60		0.596
gamma-BHC (Lindane)	0.4	8	0.00408	QSU, RL1	0.00171	<0.00206	QSU, RL1	0.00206	<0.00100		0.00100	<0.00193		0.00193	<0.00101		0.00101
Mercury	0.2	4	<0.052		0.052	0.11	J	0.062	<0.06		0.06	0.088	J	0.058	<0.059		0.059
Methoxychlor	10.0	200	0.00680	QSU, RL1	0.00171	<0.00206	QSU, RL1	0.00206	<0.00100		0.00100	<0.00193		0.00193	<0.00101		0.00101
2-Butanone (MEK)	200.0	4000	<0.0240		0.0240	<0.0282		0.0282	<0.0245		0.0245	<0.0211		0.0211	<0.0225		0.0225
Nitrobenzene	2.0	40	<0.169		0.169	<0.206		0.206	<0.200		0.200	<0.955	RL1	0.955	<0.204		0.204
Pentachlorophenol	100.0	2000	<0.169		0.169	<0.206		0.206	<0.200		0.200	<0.955	RL1	0.955	<0.204		0.204
Selenium	1.0	20	<1.01		1.01	<1.24		1.24	<1.21		1.21	<1.17		1.17	<1.19		1.19
Silver	5.0	100	<0.507		0.507	<0.619		0.619	<0.606		0.606	<0.583		0.583	<0.596		0.596
Tetrachloroethene	0.7	14	<0.00125		0.00125	<0.00147		0.00147	<0.00127		0.00127	<0.00110		0.00110	<0.00117		0.00117
Toxaphene	0.5	10	<0.0861	QSU, RL1	0.0861	<0.104	QSU, RL1	0.104	<0.0502		0.0502	<0.0971		0.0971	<0.0509		0.0509
Trichloroethene	0.5	10	<0.000958		0.000958	<0.00113		0.00113	<0.000979		0.000979	<0.00842		0.000842	<0.000900		0.000900
2,4,5-Trichlorophenol	400.0	8000	<0.169		0.169	<0.206		0.206	<0.200		0.200	<0.955	RL1	0.955	<0.204		0.204
2,4,6-Trichlorophenol	2.0	40	<0.169		0.169	<0.206		0.206	<0.200		0.200	<0.955	RL1	0.955	<0.204		0.204
Vinyl chloride	0.2	4	<0.000958		0.000958	<0.00113		0.00113	<0.000979		0.000979	<0.00842		0.000842	<0.000900		0.000900

**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY VARIOUS METHODS	Regulatory Level (mg/L) <sup>(1)</sup>	Regulatory Level x 20 <sup>(2)</sup>	NWC2604-01 TRACT 35 SB-6 (0-2) 03/20/2012			NWC2604-02 TRACT 35 SB-6 (6-10) 03/20/2012			NWC2754-01 TRACT 35 SB-7 (0-2) 03/21/2012			NWC2754-02 TRACT 35 SB-7 (20-24) 03/21/2012			NWC0375-01 Tract 37 SB-1 (0-2) 02/29/2012			NWC0375-02 Tract 37 SB-1 (22-26) 02/29/2012		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5.0	100	9.91		1.11	17.2		1.16	20.0		1.37	6.34		0.680	4.65		0.653	3.53		0.695
Barium	100	2000	21.9		2.22	24.2		2.32	33.8		2.74	7.83		1.36	33.9		1.31	40.3		1.39
Benzene	0.5	10	0.0117		0.00396	<0.00326		0.00326	0.00514	J	0.00422	0.00878		0.00131	<0.00125		0.00125	0.0102		0.00121
Cadmium	1.0	20	<1.11		1.11	<1.16		1.16	<1.37		1.37	<0.680		0.680	<0.653		0.653	0.834	J	0.695
Carbon Tetrachloride	0.5	10	<0.00360		0.00360	<0.00297		0.00297	<0.00384		0.00384	<0.00119		0.00119	<0.00114		0.00114	<0.00110		0.00110
Chlordane	0.03	0.6	<0.750	RL1	0.750	<0.750	QSU, RL1	0.750	<0.0904		0.0904	<0.0461		0.0461	NA		NA	NA		NA
Chlorobenzene	100.0	2000	<0.00396		0.00396	<0.00326		0.00326	<0.00422		0.00422	<0.00131		0.00131	<0.00125		0.00125	<0.00121		0.00121
Chloroform	6.0	120	<0.00469		0.00469	<0.00386		0.00386	<0.00499		0.00499	<0.00155		0.00155	<0.00148		0.00148	<0.00143		0.00143
Chromium	5.0	100	46.9		1.11	30.1		1.16	39.8		1.37	29.0		0.680	24.0		0.653	39.6		0.695
1,4-Dichlorobenzene	7.5	150	<0.00396		0.00396	<0.00326		0.00326	<0.00422		0.00422	<0.00131		0.00131	<0.00125		0.00125	<0.00121		0.00121
1,2-Dichloroethane	0.5	10	<0.00396		0.00396	<0.00326		0.00326	<0.00422		0.00422	<0.00131		0.00131	<0.00125		0.00125	<0.00121		0.00121
1,1-Dichloroethene	0.7	14	<0.00433		0.00433	<0.00326		0.00356	<0.00461		0.00461	<0.00143		0.00143	<0.00138		0.00137	<0.00132		0.00132
2,4-Dinitrotoluene	0.13	2.6	<0.376		0.376	<0.376		0.376	<0.453		0.453	<0.228		0.228	<0.220		0.220	<0.228		0.228
Endrin	0.02	0.4	<0.0189	RL1	0.0189	<0.0189	QSU, RL1	0.0189	<0.00228		0.00228	<0.00116		0.00116	NA		NA	NA		NA
Heptachlor	0.008	0.16	<0.0189	RL1	0.0189	<0.0189	QSU, RL1	0.0189	<0.00228		0.00228	<0.00116		0.00116	NA		NA	NA		NA
Heptachlor epoxide	0.008	0.16	<0.0189	RL1	0.0189	<0.0189	QSU, RL1	0.0189	<0.00228		0.00228	<0.00116		0.00116	NA		NA	NA		NA
Hexachlorobenzene	0.13	2.6	<0.376		0.376	<0.376		0.376	<0.453		0.453	<0.228		0.228	<0.220		0.220	<0.228		0.228
Hexachlorobutadiene	0.5	10	<0.376		0.376	<0.376		0.376	<0.453		0.453	<0.228		0.228	<0.220		0.220	<0.228		0.228
Hexachloroethane	3.0	60	<0.376		0.376	<0.376		0.376	<0.453		0.453	<0.228		0.228	<0.220		0.220	<0.228		0.228
Lead	5.0	100	27.7		1.11	46.4		1.16	33.9		1.37	2.04		0.680	10.1		0.653	7.20		0.695
gamma-BHC (Lindane)	0.4	8	<0.0189	RL1	0.0189	<0.0189	QSU, RL1	0.0189	<0.00228		0.00228	<0.00116		0.00116	NA		NA	NA		NA
Mercury	0.2	4	1.5		0.11	0.80		0.11	0.38	M8	0.13	<0.0680		0.0680	<0.065		0.065	<0.069		0.069
Methoxychlor	10.0	200	<0.0189	RL1	0.0189	<0.0189	QSU, RL1	0.0189	<0.00228		0.00228	<0.00116		0.00116	NA		NA	NA		NA
2-Butanone (MEK)	200.0	4000	0.195		0.0901	<0.0742		0.0742	<0.0960		0.0960	0.0477	J	0.0298	<0.0285		0.0285	0.0433	J	0.0276
Nitrobenzene	2.0	40	<0.376		0.376	<0.376		0.376	<0.453		0.453	<0.228		0.228	<0.220		0.220	<0.228		0.228
Pentachlorophenol	100.0	2000	<0.376		0.376	<0.376		0.376	<0.453		0.453	<0.228		0.228	<0.220		0.220	<0.228		0.228
Selenium	1.0	20	<2.22		2.22	<2.32		2.32	<2.74		2.74	1.79	J	1.36	<1.31		1.31	<1.39		1.39
Silver	5.0	100	<1.11		1.11	<1.16		1.16	<1.37		1.37	<0.680		0.680	<0.653		0.653	<0.695		0.695
Tetrachloroethene	0.7	14	<0.00469		0.00469	<0.00386		0.00386	<0.00499		0.00499	<0.00155		0.00155	<0.00148		0.00148	<0.00143		0.00143
Toxaphene	0.5	10	<0.950	RL1	0.950	<0.951	QSU, RL1	0.951	<0.115		0.115	<0.0584		0.0584	NA		NA	NA		NA
Trichloroethene	0.5	10	<0.00360		0.00360	<0.00297		0.00297	<0.00384		0.00384	<0.00119		0.00119	<0.00114		0.00114	0.00509		0.00110
2,4,5-Trichlorophenol	400.0	8000	<0.376		0.376	<0.376		0.376	<0.453		0.453	<0.228		0.228	<0.220		0.220	<0.228		0.228
2,4,6-Trichlorophenol	2.0	40	<0.376		0.376	<0.376		0.376	<0.453		0.453	<0.228		0.228	<0.220		0.220	<0.228		0.228
Vinyl chloride	0.2	4	<0.00360		0.00360	<0.00297		0.00297	<0.00384		0.00384	<0.00119		0.00119	<0.00114		0.00114	0.0898		0.00110

**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY VARIOUS METHODS	Regulatory Level (mg/L) <sup>(1)</sup>	Regulatory Level x 20 <sup>(2)</sup>	NWC0375-04 Tract 37 SB-2 (0-2) 02/29/2012			NWC0375-05 Tract 37 SB-2 (8-12) 02/29/2012			NWC0345-01 Tract 37 SB-3 (0-2) 03/01/2012			NWC0345-02 Tract 37 SB-3 (8-12) 03/01/2012			NWA4535-04-RE1 TRACT 40 SB-1 (0-2) 01/26/2012			NWA4535-05 TRACT 40 SB-1 (4-8) 01/26/2012		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5.0	100	4.28		0.575	3.91		0.578	2.95		0.610	3.66		0.580	4.09		0.501	2.46		0.487
Barium	100	2000	40.4		1.15	22.2		1.16	32.3		1.22	24.5		1.16	22.3		1.00	41.2		0.975
Benzene	0.5	10	<0.00139		0.00139	<0.000963		0.000963	<0.00113		0.00113	<0.00108		0.00108	<0.00107		0.00107	<0.000873		0.000873
Cadmium	1.0	20	1.03	J	0.575	<0.578		0.578	<0.610		0.610	<0.580		0.580	<0.501		0.501	<0.487		0.487
Carbon Tetrachloride	0.5	10	<0.00126		0.00126	<0.000876		0.000876	<0.00102		0.00102	<0.000985		0.000985	<0.000973		0.000973	<0.000794		0.000794
Chlordane	0.03	0.6			NA			NA			NA			NA	<0.0333		0.0333	<0.0332		0.0332
Chlorobenzene	100.0	2000	<0.00139		0.00139	<0.000963		0.000963	<0.00113		0.00113	<0.00108		0.00108	<0.00107		0.00107	<0.000873		0.000873
Chloroform	6.0	120	<0.00164		0.00164	<0.00114		0.00114	<0.00133		0.00133	<0.00128		0.00128	<0.00126		0.00126	<0.00103		0.00103
Chromium	5.0	100	8.60		0.575	23.3		0.578	11.0		0.610	15.2		0.580	11.0		0.501	12.3		0.487
1,4-Dichlorobenzene	7.5	150	<0.00139		0.00139	<0.000963		0.000963	<0.00113		0.00113	<0.00108		0.00108	<0.00107		0.00107	<0.000873		0.000873
1,2-Dichloroethane	0.5	10	<0.00139		0.00139	<0.000963		0.000963	<0.00113		0.00113	<0.00108		0.00108	0.00125	J	0.00107	<0.000873		0.000873
1,1-Dichloroethene	0.7	14	<0.00151		0.00151	<0.00105		0.00105	<0.00123		0.00123	<0.00118		0.00118	<0.00117		0.00117	<0.000952		0.000952
2,4-Dinitrotoluene	0.13	2.6	<0.191		0.191	<0.201		0.201	<0.200		0.200	<0.0195		0.195	<0.166		0.166	<0.167		0.167
Endrin	0.02	0.4			NA			NA			NA			NA	<0.000839		0.000839	<0.000839		0.000839
Heptachlor	0.008	0.16			NA			NA			NA			NA	<0.000839		0.000839	<0.000839		0.000839
Heptachlor epoxide	0.008	0.16			NA			NA			NA			NA	<0.000839		0.000839	<0.000839		0.000839
Hexachlorobenzene	0.13	2.6	<0.191		0.191	<0.201		0.201	<0.200		0.200	<0.0195		0.195	<0.166		0.166	<0.167		0.167
Hexachlorobutadiene	0.5	10	<0.191		0.191	<0.201		0.201	<0.200		0.200	<0.0195		0.195	<0.166		0.166	<0.167		0.167
Hexachloroethane	3.0	60	<0.191		0.191	<0.201		0.201	<0.200		0.200	<0.0195		0.195	<0.166		0.166	<0.167		0.167
Lead	5.0	100	23.1		0.575	7.19		0.578	9.69		0.610	5.38		0.580	7.49		0.501	4.27		0.487
gamma-BHC (Lindane)	0.4	8			NA			NA			NA			NA	<0.000839		0.000839	<0.000839		0.000839
Mercury	0.2	4	0.067	J	0.059	<0.06		0.06	0.061	J	0.059	<0.058		0.058	<0.05		0.05	<0.048		0.048
Methoxychlor	10.0	200			NA			NA			NA			NA	<0.000839		0.000839	<0.000839		0.000839
2-Butanone (MEK)	200.0	4000	ND		0.0315	<0.0219		0.0219	<0.0256		0.0256	<0.0246		0.0246	<0.0243		0.0243	<0.0198		0.0198
Nitrobenzene	2.0	40	<0.191		0.191	<0.201		0.201	<0.200		0.200	<0.0195		0.195	<0.166		0.166	<0.167		0.167
Pentachlorophenol	100.0	2000	<0.191		0.191	<0.201		0.201	<0.200		0.200	<0.0195		0.195	<0.166		0.166	<0.167		0.167
Selenium	1.0	20	<1.15		1.15	<1.16		1.16	<1.22		1.22	<1.16		1.16	<1.00		1.00	<0.975		0.975
Silver	5.0	100	<0.575		0.575	<0.578		0.578	<0.610		0.610	<0.580		0.580	<0.501		0.501	<0.487		0.487
Tetrachloroethene	0.7	14	<0.00164		0.00164	<0.00114		0.00114	<0.00133		0.00133	<0.00128		0.00128	<0.00126		0.00126	<0.00103		0.00103
Toxaphene	0.5	10			NA			NA			NA			NA	<0.0421		0.0421	<0.0421		0.0421
Trichloroethene	0.5	10	<0.00126		0.00126	<0.000876		0.000876	<0.00102		0.00102	<0.000985		0.000985	<0.000973		0.000973	<0.000794		0.000794
2,4,5-Trichlorophenol	400.0	8000	<0.191		0.191	<0.201		0.201	<0.200		0.200	<0.0195		0.195	<0.166		0.166	<0.167		0.167
2,4,6-Trichlorophenol	2.0	40	<0.191		0.191	<0.201		0.201	<0.200		0.200	<0.0195		0.195	<0.166		0.166	<0.167		0.167
Vinyl chloride	0.2	4	<0.00126		0.00126	<0.000876		0.000876	<0.00102		0.00102	<0.000985		0.000985	<0.000973		0.000973	<0.000794		0.000794



**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY VARIOUS METHODS	Regulatory Level (mg/L) <sup>(1)</sup>	Regulatory Level x 20 <sup>(2)</sup>	NWA4733-01 Tract 44 SB-1 (0-2) 01/27/2012			NWA4733-02 Tract 44 SB-1 (6-10) 01/27/2012			NVL1571-01 Tract 45 SB-1 (0-2) 12/09/2011			NVL1571-02 Tract 45 SB-1 (14-18) 12/09/2011			NVL1567-04 Tract 57 SB-1 (0-2) 12/08/2011			NVL1567-05 Tract 57 SB-1 (6-10) 12/08/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5.0	100	2.10	0.520	8.21	0.588	4.65	0.538	13.1	0.757	2.14	0.563	1.54	0.576						
Barium	100	2000	15.4	1.04	25.7	1.18	24.8	1.08	31.8	1.51	33.7	1.13	12.3	1.15						
Benzene	0.5	10	<0.00121	0.00121	<0.0012	0.0012	<0.00129	0.00129	<0.00252	0.00252	<0.00122	0.00122	<0.00109	0.00109						
Cadmium	1.0	20	<0.520	0.520	<0.588	0.588	<0.538	0.538	<0.757	0.757	<0.563	0.563	<0.576	0.576						
Carbon Tetrachloride	0.5	10	<0.00110	0.00110	<0.00109	0.00109	<0.00118	0.00118	<0.00229	0.00229	<0.00111	0.00111	<0.000991	0.000991						
Chlordane	0.03	0.6	<0.0360	0.0360	<0.0395	0.0395	NA	NA	NA	NA	NA	NA	NA	NA						
Chlorobenzene	100.0	2000	<0.00121	0.00121	<0.00120	0.00120	<0.00129	0.00129	<0.00252	0.00252	<0.00122	0.00122	<0.00109	0.00109						
Chloroform	6.0	120	<0.00143	0.00143	<0.00141	0.00141	<0.00153	0.00153	<0.00297	0.00297	<0.00144	L 0.00144	<0.00129	L 0.00129						
Chromium	5.0	100	8.82	0.520	12.7	0.588	9.02	0.538	22.3	0.757	9.58	0.563	9.65	0.576						
1,4-Dichlorobenzene	7.5	150	<0.00121	0.00121	<0.00120	0.00120	<0.00129	0.00129	<0.00252	0.00252	<0.00122	0.00122	<0.00109	0.00109						
1,2-Dichloroethane	0.5	10	<0.00121	0.00121	<0.00120	0.00120	<0.00129	0.00129	<0.00252	0.00252	<0.00122	0.00122	<0.00109	0.00109						
1,1-Dichloroethene	0.7	14	<0.00132	0.00132	<0.00130	0.00130	<0.00141	0.00141	<0.00274	0.00274	<0.00133	0.00133	<0.00119	0.00119						
2,4-Dinitrotoluene	0.13	2.6	<0.181	0.181	<0.201	0.201	<0.185	0.185	<0.259	0.259	<0.191	0.191	<0.199	0.199						
Endrin	0.02	0.4	<0.000909	0.000909	<0.000996	0.000996	NA	NA	NA	NA	NA	NA	NA	NA						
Heptachlor	0.008	0.16	<0.000909	0.000909	<0.000996	0.000996	NA	NA	NA	NA	NA	NA	NA	NA						
Heptachlor epoxide	0.008	0.16	<0.000909	0.000909	<0.000996	0.000996	NA	NA	NA	NA	NA	NA	NA	NA						
Hexachlorobenzene	0.13	2.6	<0.181	0.181	<0.201	0.201	<0.185	0.185	<0.259	0.259	<0.191	0.191	<0.199	0.199						
Hexachlorobutadiene	0.5	10	<0.181	0.181	<0.201	0.201	<0.185	0.185	<0.259	0.259	<0.191	0.191	<0.199	0.199						
Hexachloroethane	3.0	60	<0.181	0.181	<0.201	0.201	<0.185	0.185	<0.259	0.259	<0.191	0.191	<0.199	0.199						
Lead	5.0	100	4.64	0.520	3.29	0.588	57.1	0.538	7.76	0.757	32.8	0.563	3.06	0.576						
gamma-BHC (Lindane)	0.4	8	<0.000909	0.000909	<0.000996	0.000996	NA	NA	NA	NA	NA	NA	NA	NA						
Mercury	0.2	4	<0.053	0.053	<0.058	0.058	0.06	J 0.055	<0.079	0.079	ND	0.057	0.19	0.06						
Methoxychlor	10.0	200	<0.000909	0.000909	<0.000996	0.000996	NA	NA	NA	NA	NA	NA	NA	NA						
2-Butanone (MEK)	200.0	4000	<0.0275	0.0275	<0.0272	0.0272	<0.0294	0.0294	<0.0572	0.0572	<0.0276	0.0276	<0.0248	0.0248						
Nitrobenzene	2.0	40	<0.181	0.181	<0.201	0.201	<0.185	0.185	<0.259	0.259	<0.191	0.191	<0.199	0.199						
Pentachlorophenol	100.0	2000	<0.181	0.181	<0.201	0.201	<0.185	0.185	<0.259	0.259	<0.191	0.191	<0.199	0.199						
Selenium	1.0	20	<1.04	1.04	<1.18	1.18	<1.08	1.08	<1.51	1.51	<1.13	1.13	<1.15	1.15						
Silver	5.0	100	<0.520	0.520	<0.588	0.588	<0.538	0.538	<0.757	0.757	<0.563	0.563	<0.576	0.576						
Tetrachloroethene	0.7	14	<0.00143	0.00143	<0.00141	0.00141	<0.00153	0.00153	<0.00297	0.00297	<0.00553	0.00553	<0.00129	0.00129						
Toxaphene	0.5	10	<0.0457	0.0457	<0.0500	0.0500	NA	NA	NA	NA	NA	NA	NA	NA						
Trichloroethene	0.5	10	<0.00110	0.00110	<0.00109	0.00109	<0.00118	0.00118	<0.00229	0.00229	<0.00553	0.00553	<0.000991	0.000991						
2,4,5-Trichlorophenol	400.0	8000	<0.181	0.181	<0.201	0.201	<0.185	0.185	<0.259	0.259	<0.191	0.191	<0.199	0.199						
2,4,6-Trichlorophenol	2.0	40	<0.181	0.181	<0.201	0.201	<0.185	0.185	<0.259	0.259	<0.191	0.191	<0.199	0.199						
Vinyl chloride	0.2	4	<0.00110	0.00110	<0.00109	0.00109	<0.00118	0.00118	<0.00229	0.00229	<0.00553	0.00553	<0.000991	0.000991						

**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY VARIOUS METHODS	Regulatory Level (mg/L) <sup>(1)</sup>	Regulatory Level x 20 <sup>(2)</sup>	NWC0345-04 Tract 62 SB-1 (0-2) 03/01/2012			NWC0345-05 Tract 62 SB-1 (8-12) 03/01/2012			NUK1797-01-RE1 Tract 67 SB-1 (0-2) 11/11/2011			NUK1797-02 Tract 67 SB-1 (28-32) 11/11/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5.0	100	5.62	0.610		9.47	0.644		58.0	0.584		9.25	0.808	
Barium	100	2000	39.3	1.22		13.6	1.29		74.0	1.17		10.1	1.62	
Benzene	0.5	10	<0.00116	0.00116		ND	0.00120		0.00192	J	0.00152	ND	0.00199	
Cadmium	1.0	20	<0.610	0.610		<0.644	0.644		0.701	J	0.584	<0.808	0.808	
Carbon Tetrachloride	0.5	10	<0.00106	0.00106		<0.00109	0.00109		<0.00138		0.00138	<0.00181	0.00181	
Chlordane	0.03	0.6		NA			NA			NA			NA	
Chlorobenzene	100.0	2000	<0.00116	0.00116		<0.00120	0.00120		<0.00152		0.00152	<0.00199	0.00199	
Chloroform	6.0	120	<0.00138	0.00138		<0.00142	0.00142		<0.00179		0.00179	ND	0.00235	
Chromium	5.0	100	8.50	0.610		7.95	0.644		13.4		0.584	8.08	0.808	
1,4-Dichlorobenzene	7.5	150	<0.00116	0.00116		<0.00120	0.00120		<0.0666	RL1	0.0666	<0.00199	0.00199	
1,2-Dichloroethane	0.5	10	<0.00116	0.00116		<0.00120	0.00120		<0.00152		0.00152	<0.00199	0.00199	
1,1-Dichloroethene	0.7	14	<0.00127	0.00127		<0.00131	0.00131		<0.00165		0.00165	<0.00217	0.00217	
2,4-Dinitrotoluene	0.13	2.6	<0.209	0.209		<0.216	0.216		<0.197		0.197	<0.263	0.263	
Endrin	0.02	0.4		NA			NA			NA			NA	
Heptachlor	0.008	0.16		NA			NA			NA			NA	
Heptachlor epoxide	0.008	0.16		NA			NA			NA			NA	
Hexachlorobenzene	0.13	2.6	<0.209	0.209		<0.216	0.216		<0.197		0.197	<0.263	0.263	
Hexachlorobutadiene	0.5	10	<0.209	0.209		<0.216	0.216		<0.197		0.197	<0.263	0.263	
Hexachloroethane	3.0	60	<0.209	0.209		<0.216	0.216		<0.197		0.197	<0.263	0.263	
Lead	5.0	100	33.2	0.610		2.65	0.644		178		0.584	8.12	0.808	
gamma-BHC (Lindane)	0.4	8		NA			NA			NA			NA	
Mercury	0.2	4	0.14	0.061		<0.063	0.063		0.11	J	0.059	<0.08	0.08	
Methoxychlor	10.0	200		NA			NA			NA			NA	
2-Butanone (MEK)	200.0	4000	ND	0.0265		<0.0272	0.0272		ND		0.0345	<0.0452	0.0452	
Nitrobenzene	2.0	40	<0.209	0.209		<0.216	0.216		<0.197		0.197	<0.263	0.263	
Pentachlorophenol	100.0	2000	<0.209	0.209		<0.216	0.216		<0.197		0.197	<0.263	0.263	
Selenium	1.0	20	<1.22	1.22		<1.29	1.29		<1.17		1.17	<0.162	1.62	
Silver	5.0	100	<0.610	0.610		<0.644	0.644		<0.584		0.584	<0.808	0.808	
Tetrachloroethene	0.7	14	<0.00138	0.00138		<0.00142	0.00142		<0.00179		0.00179	<0.00235	0.00235	
Toxaphene	0.5	10		NA			NA			NA			NA	
Trichloroethene	0.5	10	<0.00106	0.00106		<0.00109	0.00109		<0.00138		0.00138	<0.00181	0.00181	
2,4,5-Trichlorophenol	400.0	8000	<0.209	0.209		<0.216	0.216		<0.197		0.197	<0.263	0.263	
2,4,6-Trichlorophenol	2.0	40	<0.209	0.209		<0.216	0.216		<0.197		0.197	<0.263	0.263	
Vinyl chloride	0.2	4	<0.00106	0.00106		<0.00109	0.00109		<0.00138		0.00138	<0.00181	0.00181	

**Table 9**  
**Summary of Soil Analytical Data - Toxicity Characteristics Screening**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Notes:

Results are in milligrams per kilograms.

Blue text indicates exceedance of the Regulatory Level x 20.

1. Maximum Concentration of Contaminants for the Toxicity Characteristic listed as Table 1 of 40 CFR 261.24 dated July 1, 2011.

2. Screening Level times 20.

"NA" indicates the parameter was not analyzed

"B" qualifier indicates the compound was detected in the blank and sample.

"J" qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

"\*" qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate exceeds the control limits.

"RL1" qualifier indicates parameter reporting limit raised due to sample matrix effects.

"L" qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected. Data not impacted.

"p" indicates the %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

"M8" qualifier indicates the Matrix Spike and/or Matrix Spike Duplicate were below the acceptance limits.

"QSU" indicates sulfur (EPA 3660) clean-up performed on extract.

Table 10  
 Summary of Soil Analytical Data - TCLP  
 Port Access Road; North Charleston, South Carolina  
 S&ME Project Number 1131-08-554

Lab ID: Sample ID: Date Sampled: TCLP Results	TCLP Regulatory Level <sup>(1)</sup>	490-39869-1			490-39869-2			490-41559-1			NWB2187-01			NWB2187-02			490-41560-1			490-39860-2		
		Tract 6 SB-1 (0-2)			Tract 6 SB-1 (10-14)			Tract 6 SB-2 (0-2)			Tract 22 SB-1 (0-2)			Tract 26 SB-1 (0-2)			Tract 29 SB-1 (4-8)			Tract 29 SB-1 (4-8)		
		10/10/2013			10/10/2013			10/10/2013			12/5/2011			12/11/2011			10/7/2013			10/7/2013		
		Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5	<0.0330		0.033	<0.0330		0.0330			NA			NA			NA	<0.0330		0.0330			NA
Barium	100	0.481	J	0.0700			NA			NA			NA			NA	0.341	J	0.0700			NA
Cadmium	1	<0.00300		0.003			NA			NA			NA			NA	<0.00300		0.00300			NA
Chromium	5	<0.0150		0.015			NA			NA			NA			NA	<0.0150		0.0150			NA
Lead	5	0.0420	J	0.0350			NA			NA	0.511	0.0250	0.199	0.0250	0.0680	J	0.0350		0.432	J	0.0350	0.0350
Mercury	0.2	<0.00150	H	0.0015			NA			NA			NA			NA	<0.000150	H	0.00150			NA
Selenium	1	0.0410	J	0.0400			NA			NA			NA			NA	<0.0400		0.0400			NA
Silver	5	<0.0250		0.0250			NA			NA			NA			NA	<0.0250		0.0250			NA
Chlorodane	0.03			NA			NA			<0.000700	H	0.000700			NA				NA			NA

**Table 10**  
**Summary of Soil Analytical Data - TCLP**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: TCLP Results	TCLP Regulatory Level <sup>(1)</sup>	490-39866-1			NVL3364-01			NUK3548-01		
		Tract 33 SB-2 (0-2)			Tract 35 SB-4 (0-2)			Tract 67 SB-1 (0-2)		
		10/9/2013			12/19/2011			1/15/2012		
		Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Arsenic	5	<0.0330		0.0330		NA			NA	
Barium	100	0.481	J	0.0700		NA			NA	
Cadmium	1	<0.00300		0.00300		NA			NA	
Chromium	5	0.0340	J	0.0150		NA			NA	
Lead	5	0.0490	J	0.0350	0.417		0.0250	<0.0250		0.0250
Mercury	0.2	<0.00015	H	0.0015		NA			NA	
Selenium	1	0.0460	J	0.0400		NA			NA	
Silver	5	<0.0250		0.0250		NA			NA	
Chlorodane	0.03			NA		NA			NA	

**Table 10**  
**Summary of Soil Analytical Data - TCLP**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Notes:

Results are in milligrams per liter (mg/L).

Blue text indicate exceedance of screening level.

1. "TCLP Regulatory Level" indicates the maximum concentration of contaminants for the toxicity characteristic listed as Table 1 of 40 CFR 261.24 dated July 1, 2011.

"J" qualifier indicates analyte detected at a level less than the Minimum Level and greater than or equal to the Estimated Detection Limit. Concentrations within this range are estimated.

"H" qualifier indicates sample was prepped or analyzed beyond the specified holding time.

"NA" indicates the parameter was not analyzed.

**Table 11**  
**Summary of Groundwater Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8260B	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NWB3949-03 Tract 1 TW-1 (54-60) 02/28/2012			NWB3949-06 Tract 1 TW-2 (26-30) 02/28/2012			490-66802-2 Tract 4 TW-1 (8-12) 11/18/2014			490-66957-8 Tract 4 TW-2 (4-14) 11/20/2014			490-66957-5 Tract 4A TW-1 (8-12) 11/20/2014			490-66802-5 Tract 4B TW-1 (6-10) 11/19/2014		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	NE	14000	< 25.0	L	25.0	< 25.0	L	25.0	< 2.66	2.66	< 2.66	2.66	< 2.66	2.66	< 2.66	2.66	3.46	J	2.66	
Benzene	5	0.45	< 0.500		0.500	< 0.500		0.500	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200		0.200	
Bromochloromethane	NE	83	< 0.500		0.500	< 0.500		0.500	< 0.150	0.150	< 0.150	0.150	< 0.150	0.150	< 0.150	0.150	< 0.150		0.150	
Bromodichloromethane	80	0.13	< 0.500		0.500	< 0.500		0.500	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170		0.170	
Bromoform	80	9.2	< 0.500		0.500	< 0.500		0.500	< 0.290	0.290	< 0.290	0.290	< 0.290	0.290	< 0.290	0.290	< 0.290		0.290	
Bromomethane	NE	7.5	< 0.500		0.500	< 0.500		0.500	< 0.350	0.350	< 0.350	0.350	< 0.350	0.350	< 0.350	0.350	< 0.350		0.350	
2-Butanone	NE	5600	< 25.0		25.0	< 25.0		25.0	< 2.64	2.64	< 2.64	2.64	< 2.64	2.64	< 2.64	2.64	< 2.64		2.64	
Carbon disulfide	NE	810	< 0.500		0.500	< 0.500		0.500	< 0.220	0.220	< 0.220	0.220	< 0.220	0.220	< 0.220	0.220	< 0.220		0.220	
Carbon Tetrachloride	5	0.45	< 0.500		0.500	< 0.500		0.500	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180		0.180	
Chlorobenzene	100	78	< 0.500		0.500	< 0.500		0.500	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180		0.180	
Chlorodibromomethane	80	0.17	< 0.500		0.500	< 0.500		0.500	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250	< 0.250		0.250	
Chloroethane	NE	21000	< 0.500		0.500	< 0.500		0.500	< 0.360	0.360	< 0.360	0.360	< 0.360	0.360	< 0.360	0.360	< 0.360		0.360	
Chloroform	80	0.22	< 0.500		0.500	< 0.500		0.500	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230	< 0.230		0.230	
Chloromethane	NE	190	< 0.500		0.500	< 0.500		0.500	< 0.360	0.360	< 0.360	0.360	< 0.360	0.360	< 0.360	0.360	< 0.360		0.360	
Cyclohexane	NE	13000	< 2.50		2.50	< 2.50		2.50	< 0.220	0.220	< 0.220	0.220	< 0.220	0.220	< 0.220	0.220	< 0.220		0.220	
1,2-Dibromo-3-chloropropane	0.2	0.00033	< 5.00		5.00	< 5.00		5.00	< 0.940	0.940	< 0.940	0.940	< 0.940	0.940	< 0.940	0.940	< 0.940		0.940	
1,2-Dibromoethane (EDB)	0.05	0.0075	< 0.500		0.500	< 0.500		0.500	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210	< 0.210		0.210	
Methylcyclohexane	NE	NE	< 2.50		2.50	< 2.50		2.50	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200		0.200	
1,2-Dichlorobenzene	600	300	< 0.500		0.500	< 0.500		0.500	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190		0.190	
1,3-Dichlorobenzene	NE	NE	< 0.500		0.500	< 0.500		0.500	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180		0.180	
1,4-Dichlorobenzene	75	0.48	< 0.500		0.500	< 0.500		0.500	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170		0.170	
Dichlorodifluoromethane	NE	200	< 0.600		0.600	< 0.600		0.600	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170		0.170	
1,2-Dichloroethane	5	0.17	< 0.500		0.500	< 0.500		0.500	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200		0.200	
1,1-Dichloroethane	NE	2.7	< 0.500		0.500	< 0.500		0.500	< 0.240	0.240	< 0.240	0.240	< 0.240	0.240	< 0.240	0.240	< 0.240		0.240	
1,1-Dichloroethene	7	280	< 0.500		0.500	< 0.500		0.500	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250	< 0.250		0.250	
trans-1,2-Dichloroethene	100	360	< 0.500		0.500	< 0.500		0.500	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230	< 0.230		0.230	
1,1,2-Trifluorotrchloroethane	NE	55000	< 0.500		0.500	< 0.500		0.500	< 0.330	0.330	< 0.330	0.330	< 0.330	0.330	< 0.330	0.330	< 0.330		0.330	
cis-1,2-Dichloroethene	70	36	< 0.500		0.500	< 0.500		0.500	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210	< 0.210		0.210	
1,2-Dichloropropane	5	0.44	< 0.500		0.500	< 0.500		0.500	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250	< 0.250		0.250	
trans-1,3-Dichloropropene	NE	NE	< 0.500		0.500	< 0.500		0.500	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170		0.170	
cis-1,3-Dichloropropene	NE	NE	< 0.500		0.500	< 0.500		0.500	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170		0.170	
Ethylbenzene	700	1.5	< 0.500		0.500	< 0.500		0.500	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190		0.190	
2-Hexanone	NE	38	< 5.00		5.00	< 5.00		5.00	< 1.28	1.28	< 1.28	1.28	< 1.28	1.28	< 1.28	1.28	< 1.28		1.28	
Isopropylbenzene	NE	450	< 0.500		0.500	< 0.500		0.500	< 0.330	0.330	< 0.330	0.330	< 0.330	0.330	< 0.330	0.330	< 0.330		0.330	
Methyl Acetate	NE	20000	< 5.00		5.00	< 5.00		5.00	< 0.720	0.720	< 0.720	0.720	< 0.720	0.720	< 0.720	0.720	< 0.720		0.720	
Methyl tert-Butyl Ether	NE	14	< 0.500		0.500	< 0.500		0.500	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170		0.170	
Methylene Chloride	5	11	< 2.50		2.50	< 2.50		2.50	< 0.220	0.220	< 0.220	0.220	< 0.220	0.220	< 0.220	0.220	< 0.220		0.220	
4-Methyl-2-pentanone	NE	1200	< 5.00		5.00	< 5.00		5.00	< 0.810	0.810	< 0.810	0.810	< 0.810	0.810	< 0.810	0.810	< 0.810		0.810	
Styrene	100	1200	< 0.500		0.500	< 0.500		0.500	< 0.280	0.280	< 0.280	0.280	< 0.280	0.280	< 0.280	0.280	< 0.280		0.280	
1,1,2,2-Tetrachloroethane	NE	0.076	< 0.500		0.500	< 0.500		0.500	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190		0.190	
Tetrachloroethene	5	11	< 0.500		0.500	< 0.500		0.500	< 0.140	0.140	< 0.140	0.140	< 0.140	0.140	< 0.140	0.140	< 0.140		0.140	
Toluene	1000	1100	0.650	J	0.500	0.790	J	0.500	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170		0.170	
1,2,4-Trichlorobenzene	70	1.1	< 0.500		0.500	< 0.500		0.500	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200		0.200	
1,2,3-Trichlorobenzene	NE	7	< 0.500		0.500	< 0.500		0.500	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230	< 0.230		0.230	
1,1,1-Trichloroethane	200	8000	< 0.500		0.500	< 0.500		0.500	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190		0.190	
1,1,2-Trichloroethane	5	0.28	< 0.500		0.500	< 0.500		0.500	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190		0.190	
Trichloroethene	5	0.49	< 0.500		0.500	< 0.500		0.500	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200		0.200	
Trichlorofluoromethane	NE	1100	< 0.500		0.500	< 0.500		0.500	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210	< 0.210		0.210	
Vinyl chloride	2	0.019	< 0.500		0.500	< 0.500		0.500	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180		0.180	
Xylenes, total	10000	190	< 1.50		1.50	< 1.50		1.50	< 0.380	0.380	< 0.380	0.380	< 0.380	0.380	< 0.380	0.380	< 0.380		0.380	

**Table 11**  
**Summary of Groundwater Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8260B	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	490-66957-2 Tract 4C TW-1 (3-13) 11/19/2014			490-37637-3 Tract 6 TW-1 (8-12) 10/10/2013			490-37637-6 Tract 6 TW-2 (54-58) 10/10/2013			NVL1567-03 Tract 22 TW-1 (16-20) 12/09/2011			NVL1390-03 Tract 24 TW-1 (4-8) 12/07/2011			NVL1390-06-RE1 Tract 24 TW-2 (3-7) 12/07/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	NE	14000	2.84	J	2.66	< 2.66		2.66	< 2.66		2.66	< 25.0		25.0	< 25.0		25.0	< 125	PV RL1	125
Benzene	5	0.45	< 0.200		0.200	< 0.200		0.200	< 0.200		0.200	< 0.500		0.500	0.760	J	0.500	8.70	PV	2.50
Bromochloromethane	NE	83	< 0.150		0.150	< 0.150		0.150	< 0.150		0.150	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Bromodichloromethane	80	0.13	< 0.170		0.170	< 0.170		0.170	< 0.170		0.170	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Bromoform	80	9.2	< 0.290		0.290	< 0.290		0.290	< 0.290		0.290	0.510	J	0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Bromomethane	NE	7.5	< 0.350		0.350	< 0.350		0.350	< 0.350		0.350	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
2-Butanone	NE	5600	< 2.64		2.64	< 2.64		2.64	< 2.64		2.64	< 25.0		25.0	< 25.0		25.0	< 125	PV RL1	125
Carbon disulfide	NE	810	< 0.220		0.220	0.696	J	0.220	0.379	J	0.220	< 0.500		0.500	< 0.500		0.500	3.65	J PV RL1	2.50
Carbon Tetrachloride	5	0.45	< 0.180		0.180	< 0.180		0.180	< 0.180		0.180	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Chlorobenzene	100	78	< 0.180		0.180	< 0.180		0.180	< 0.180		0.180	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Chlorodibromomethane	80	0.17	< 0.250		0.250	< 0.250		0.250	< 0.250		0.250	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Chloroethane	NE	21000	< 0.360		0.360	< 0.360		0.360	< 0.360		0.360	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Chloroform	80	0.22	< 0.230		0.230	< 0.230		0.230	< 0.230		0.230	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Chloromethane	NE	190	< 0.360		0.360	< 0.360		0.360	< 0.360		0.360	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Cyclohexane	NE	13000	< 0.220		0.220	< 0.220		0.220	< 0.220		0.220	< 2.50		2.50	< 2.50	M7	2.50	1190	PV	125
1,2-Dibromo-3-chloropropane	0.2	0.00033	< 0.940		0.940	< 0.940		0.940	< 0.940		0.940	< 5.00		5.00	< 5.00		5.00	< 25.0	PV RL1	25.0
1,2-Dibromoethane (EDB)	0.05	0.0075	< 0.210		0.210	< 0.210		0.210	< 0.210		0.210	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Methylcyclohexane	NE	NE	< 0.200		0.200	< 0.200		0.200	< 0.200		0.200	< 2.50		2.50	15.7	M7	2.50	1050	PV	125
1,2-Dichlorobenzene	600	300	< 0.190		0.190	< 0.190		0.190	< 0.190		0.190	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
1,3-Dichlorobenzene	NE	NE	< 0.180		0.180	< 0.180		0.180	< 0.180		0.180	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
1,4-Dichlorobenzene	75	0.48	< 0.170		0.170	< 0.170		0.170	< 0.170		0.170	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Dichlorodifluoromethane	NE	200	< 0.170		0.170	< 0.170		0.170	< 0.170		0.170	< 0.600		0.600	< 0.600		0.600	< 3.00	PV RL1	3.00
1,2-Dichloroethane	5	0.17	< 0.200		0.200	< 0.200		0.200	< 0.200		0.200	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
1,1-Dichloroethane	NE	2.7	< 0.240		0.240	< 0.240		0.240	< 0.240		0.240	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
1,1-Dichloroethene	7	280	< 0.250		0.250	< 0.250		0.250	< 0.250		0.250	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
trans-1,2-Dichloroethene	100	360	< 0.230		0.230	< 0.230		0.230	< 0.230		0.230	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
1,1,2-Trifluorotrchloroethane	NE	55000	< 0.330		0.330	< 0.330		0.330	< 0.330		0.330	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
cis-1,2-Dichloroethene	70	36	< 0.210		0.210	< 0.210		0.210	< 0.210		0.210	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
1,2-Dichloropropane	5	0.44	< 0.250		0.250	< 0.250		0.250	< 0.250		0.250	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
trans-1,3-Dichloropropene	NE	NE	< 0.170		0.170	< 0.170		0.170	< 0.170		0.170	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
cis-1,3-Dichloropropene	NE	NE	< 0.170		0.170	< 0.170		0.170	< 0.170		0.170	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Ethylbenzene	700	1.5	< 0.190		0.190	< 0.190		0.190	< 0.190		0.190	< 0.500		0.500	0.830	J	0.500	118	PV	2.50
2-Hexanone	NE	38	< 1.28		1.28	< 1.28		1.28	< 1.28		1.28	< 5.00		5.00	< 5.00		5.00	< 25.0	PV RL1	25.0
Isopropylbenzene	NE	450	< 0.330		0.330	< 0.330		0.330	< 0.330		0.330	< 0.500		0.500	2.19		0.500	317	PV	2.50
Methyl Acetate	NE	20000	< 0.720		0.720	< 0.720		0.720	< 0.720		0.720	< 5.00		5.00	< 5.00		5.00	< 25.0	PV RL1	25.0
Methyl tert-Butyl Ether	NE	14	< 0.170		0.170	< 0.170		0.170	< 0.170		0.170	1.35		0.500	1.38		0.500	< 2.50	PV RL1	2.50
Methylene Chloride	5	11	< 0.220		0.220	< 0.220		0.220	< 0.220		0.220	< 2.50		2.50	< 2.50		2.50	< 12.5	PV RL1	12.5
4-Methyl-2-pentanone	NE	1200	< 0.810		0.810	< 0.810		0.810	< 0.810		0.810	< 5.00		5.00	< 5.00		5.00	< 25.0	PV RL1	25.0
Styrene	100	1200	< 0.280		0.280	< 0.280		0.280	< 0.280		0.280	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
1,1,2,2-Tetrachloroethane	NE	0.076	< 0.190		0.190	< 0.190		0.190	< 0.190		0.190	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Tetrachloroethene	5	11	< 0.140		0.140	< 0.140		0.140	< 0.140		0.140	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Toluene	1000	1100	< 0.170		0.170	< 0.170		0.170	0.205	J	0.170	0.940	J	0.500	2.63		0.500	6.60	PV	2.50
1,2,4-Trichlorobenzene	70	1.1	< 0.200		0.200	< 0.200		0.200	< 0.200		0.200	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
1,2,3-Trichlorobenzene	NE	7	< 0.230		0.230	< 0.230		0.230	< 0.230		0.230	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
1,1,1-Trichloroethane	200	8000	< 0.190		0.190	< 0.190		0.190	< 0.190		0.190	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
1,1,2-Trichloroethane	5	0.28	< 0.190		0.190	< 0.190		0.190	< 0.190		0.190	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Trichloroethene	5	0.49	< 0.200		0.200	< 0.200		0.200	< 0.200		0.200	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Trichlorofluoromethane	NE	1100	< 0.210		0.210	< 0.210		0.210	< 0.210		0.210	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Vinyl chloride	2	0.019	< 0.180		0.180	< 0.180		0.180	< 0.180		0.180	< 0.500		0.500	< 0.500		0.500	< 2.50	PV RL1	2.50
Xylenes, total	10000	190	< 0.380		0.380	< 0.380		0.380	< 0.380		0.380	< 1.50		1.50	3.72		1.50	15.0	PV	7.50



**Table 11**  
**Summary of Groundwater Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8260B	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NWA4535-03 Tract 26 TW-1 (26-30) 01/26/2012			NUK1792-06 Tract 28 TW-1 (40-44) 11/10/2011			490-37157-3 Tract 29 TW-1 (8-12) 10/07/2013			490-37270-3 Tract 29 TW-2 (24-28) 10/08/2013			490-37270-5 Tract 33 TW-1 (20-24) 10/08/2013			490-37411-3 Tract 33 TW-2 (20-24) 10/09/2013		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	NE	14000	< 25.0	P6	25.0	< 25.0	pH	25.0	< 2.66	2.66	< 2.66	2.66	< 2.66	2.66	< 2.66	2.66	< 2.66	2.66		
Benzene	5	0.45	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200		
Bromochloromethane	NE	83	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.150	0.150	< 0.150	0.150	< 0.150	0.150	< 0.150	0.150	< 0.150	0.150		
Bromodichloromethane	80	0.13	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170		
Bromoform	80	9.2	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.290	0.290	< 0.290	0.290	< 0.290	0.290	< 0.290	0.290	< 0.290	0.290		
Bromomethane	NE	7.5	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.350	0.350	< 0.350	0.350	< 0.350	0.350	< 0.350	0.350	< 0.350	0.350		
2-Butanone	NE	5600	< 25.0	P6	25.0	< 25.0	pH	25.0	< 2.64	2.64	< 2.64	2.64	< 2.64	2.64	< 2.64	2.64	< 2.64	2.64		
Carbon disulfide	NE	810	< 0.500	P6	0.500	< 0.500	M8 pH	0.500	< 0.220	0.220	< 0.220	0.220	0.241	J	0.220	0.390	J	0.220		
Carbon Tetrachloride	5	0.45	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180		
Chlorobenzene	100	78	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180		
Chlorodibromomethane	80	0.17	< 0.500	P6	0.500	< 0.500	M8 pH	0.500	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250		
Chloroethane	NE	21000	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.360	0.360	< 0.360	0.360	< 0.360	0.360	< 0.360	0.360	< 0.360	0.360		
Chloroform	80	0.22	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230		
Chloromethane	NE	190	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.360	0.360	< 0.360	0.360	< 0.360	0.360	< 0.360	0.360	< 0.360	0.360		
Cyclohexane	NE	13000	< 2.50	P6	2.50	< 2.50	pH	2.50	< 0.220	0.220	< 0.220	0.220	< 0.220	0.220	< 0.220	0.220	< 0.220	0.220		
1,2-Dibromo-3-chloropropane	0.2	0.00033	< 5.00	P6	5.00	< 5.00	pH	5.00	< 0.940	0.940	< 0.940	0.940	< 0.940	0.940	< 0.940	0.940	< 0.940	0.940		
1,2-Dibromoethane (EDB)	0.05	0.0075	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210		
Methylcyclohexane	NE	NE	< 2.50	P6	2.50	< 2.50	pH	2.50	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200		
1,2-Dichlorobenzene	600	300	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190		
1,3-Dichlorobenzene	NE	NE	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180		
1,4-Dichlorobenzene	75	0.48	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170		
Dichlorodifluoromethane	NE	200	< 0.600	P6	0.600	< 0.600	pH	0.600	< 0.170	*	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	0.170		
1,2-Dichloroethane	5	0.17	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200		
1,1-Dichloroethane	NE	2.7	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.240	0.240	< 0.240	0.240	< 0.240	0.240	< 0.240	0.240	< 0.240	0.240		
1,1-Dichloroethene	7	280	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250		
trans-1,2-Dichloroethene	100	360	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230		
1,1,2-Trifluorotrchloroethane	NE	55000	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.330	0.330	< 0.330	0.330	< 0.330	0.330	< 0.330	0.330	< 0.330	0.330		
cis-1,2-Dichloroethene	70	36	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210		
1,2-Dichloropropane	5	0.44	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250	< 0.250	0.250		
trans-1,3-Dichloropropene	NE	NE	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170		
cis-1,3-Dichloropropene	NE	NE	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170		
Ethylbenzene	700	1.5	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190		
2-Hexanone	NE	38	< 5.00	P6	5.00	< 5.00	pH	5.00	< 1.28	1.28	< 1.28	1.28	< 1.28	1.28	< 1.28	1.28	< 1.28	1.28		
Isopropylbenzene	NE	450	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.330	0.330	< 0.330	0.330	< 0.330	0.330	< 0.330	0.330	< 0.330	0.330		
Methyl Acetate	NE	20000	< 5.00	P6	5.00	< 5.00	pH	5.00	< 0.720	0.720	< 0.720	0.720	< 0.720	0.720	< 0.720	0.720	< 0.720	0.720		
Methyl tert-Butyl Ether	NE	14	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170		
Methylene Chloride	5	11	< 2.50	P6	2.50	< 2.50	pH	2.50	< 0.220	0.220	< 0.220	0.220	< 0.220	0.220	< 0.220	0.220	< 0.220	0.220		
4-Methyl-2-pentanone	NE	1200	< 5.00	P6	5.00	< 5.00	pH	5.00	< 0.810	0.810	< 0.810	0.810	< 0.810	0.810	< 0.810	0.810	< 0.810	0.810		
Styrene	100	1200	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.280	0.280	< 0.280	0.280	< 0.280	0.280	< 0.280	0.280	< 0.280	0.280		
1,1,2,2-Tetrachloroethane	NE	0.076	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190		
Tetrachloroethene	5	11	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.140	0.140	< 0.140	0.140	< 0.140	0.140	< 0.140	0.140	< 0.140	0.140		
Toluene	1000	1100	0.850	P6	0.500	< 0.500	pH	0.500	0.484	J	0.170	< 0.170	0.170	< 0.170	0.170	< 0.170	0.170	0.170		
1,2,4-Trichlorobenzene	70	1.1	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200		
1,2,3-Trichlorobenzene	NE	7	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230	< 0.230	0.230		
1,1,1-Trichloroethane	200	8000	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190		
1,1,2-Trichloroethane	5	0.28	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190	< 0.190	0.190		
Trichloroethene	5	0.49	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200	< 0.200	0.200		
Trichlorofluoromethane	NE	1100	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210	< 0.210	0.210		
Vinyl chloride	2	0.019	< 0.500	P6	0.500	< 0.500	pH	0.500	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180	< 0.180	0.180		
Xylenes, total	10000	190	< 1.50	P6	1.50	< 1.50	pH	1.50	< 0.380	0.380	< 0.380	0.380	< 0.380	0.380	< 0.380	0.380	< 0.380	0.380		

**Table 11**  
**Summary of Groundwater Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8260B	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	490-37411-5 Tract 33 TW-3 (20-24) 10/09/2013			490-37639-3 Tract 33 TW-4 (14-18) 10/11/2013			NUK1675-03 Tract 35 TW-1 (40-44) 11/08/2011			NUK1675-06 Tract 35 TW-2 (26-30) 11/09/2011			NUK1675-08 Tract 35 TW-3 (1-5) 11/09/2011			NUK1792-01 Tract 35 TW-4 (16-20) 11/10/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	NE	14000	< 2.66		2.66	< 2.66		2.66	< 250	A-01 P6 RL1	250	< 25.0	P6	25.0	< 25.0	P6	25.0	< 25.0	pH	25.0
Benzene	5	0.45	< 0.200		0.200	< 0.200		0.200	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Bromochloromethane	NE	83	< 0.150		0.150	< 0.150		0.150	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Bromodichloromethane	80	0.13	< 0.170		0.170	< 0.170		0.170	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Bromoform	80	9.2	< 0.290		0.290	< 0.290		0.290	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Bromomethane	NE	7.5	< 0.350		0.350	< 0.350		0.350	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
2-Butanone	NE	5600	< 2.64		2.64	< 2.64		2.64	< 250	A-01 P6 RL1	250	< 25.0	P6	25.0	< 25.0	P6	25.0	< 25.0	pH	25.0
Carbon disulfide	NE	810	0.477	J	0.220	< 0.220		0.220	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Carbon Tetrachloride	5	0.45	< 0.180		0.180	< 0.180		0.180	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Chlorobenzene	100	78	< 0.180		0.180	< 0.180		0.180	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Chlorodibromomethane	80	0.17	< 0.250		0.250	< 0.250		0.250	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Chloroethane	NE	21000	< 0.360		0.360	< 0.360		0.360	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Chloroform	80	0.22	< 0.230		0.230	< 0.230		0.230	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Chloromethane	NE	190	< 0.360		0.360	< 0.360		0.360	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Cyclohexane	NE	13000	< 0.220		0.220	< 0.220		0.220	< 25.0	A-01 P6 RL1	25.0	< 2.50	P6	2.50	< 2.50	P6	2.50	< 2.50	pH	2.50
1,2-Dibromo-3-chloropropane	0.2	0.00033	< 0.940		0.940	< 0.940		0.940	< 50.0	A-01 P6 RL1	50.0	< 5.00	P6	5.00	< 5.00	P6	5.00	< 5.00	pH	5.00
1,2-Dibromoethane (EDB)	0.05	0.0075	< 0.210		0.210	< 0.210		0.210	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Methylcyclohexane	NE		< 0.200		0.200	< 0.200		0.200	< 25.0	A-01 P6 RL1	25.0	< 2.50	P6	2.50	< 2.50	P6	2.50	< 2.50	pH	2.50
1,2-Dichlorobenzene	600	300	< 0.190		0.190	< 0.190		0.190	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
1,3-Dichlorobenzene	NE	NE	< 0.180		0.180	< 0.180		0.180	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
1,4-Dichlorobenzene	75	0.48	< 0.170		0.170	< 0.170		0.170	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Dichlorodifluoromethane	NE	200	< 0.170		0.170	< 0.170		0.170	< 6.00	A-01 P6 RL1	6.00	< 0.600	P6	0.600	< 0.600	P6	0.600	< 0.600	pH	0.600
1,2-Dichloroethane	5	0.17	< 0.200		0.200	< 0.200		0.200	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
1,1-Dichloroethane	NE	2.7	< 0.240		0.240	< 0.240		0.240	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
1,1-Dichloroethene	7	280	< 0.250		0.250	< 0.250		0.250	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
trans-1,2-Dichloroethene	100	360	< 0.230		0.230	< 0.230		0.230	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
1,1,2-Trifluorotrchloroethane	NE	55000	< 0.330		0.330	< 0.330		0.330	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
cis-1,2-Dichloroethene	70	36	< 0.210		0.210	< 0.210		0.210	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
1,2-Dichloropropane	5	0.44	< 0.250		0.250	< 0.250		0.250	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
trans-1,3-Dichloropropene	NE	NE	< 0.170		0.170	< 0.170		0.170	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
cis-1,3-Dichloropropene	NE	NE	< 0.170		0.170	< 0.170		0.170	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Ethylbenzene	700	1.5	< 0.190		0.190	< 0.190		0.190	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
2-Hexanone	NE	38	< 1.28		1.28	< 1.28		1.28	< 50.0	A-01 P6 RL1	50.0	< 5.00	P6	5.00	< 5.00	P6	5.00	< 5.00	pH	5.00
Isopropylbenzene	NE	450	< 0.330		0.330	< 0.330		0.330	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Methyl Acetate	NE	20000	< 0.720		0.720	< 0.720		0.720	< 50.0	A-01 P6 RL1	50.0	< 5.00	P6	5.00	< 5.00	P6	5.00	< 5.00	pH	5.00
Methyl tert-Butyl Ether	NE	14	< 0.170		0.170	< 0.170		0.170	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Methylene Chloride	5	11	< 0.220		0.220	< 0.220		0.220	< 25.0	A-01 P6 RL1	25.0	< 2.50	P6	2.50	< 2.50	P6	2.50	< 2.50	pH	2.50
4-Methyl-2-pentanone	NE	1200	< 0.810		0.810	< 0.810		0.810	< 50.0	A-01 P6 RL1	50.0	< 5.00	P6	5.00	< 5.00	P6	5.00	< 5.00	pH	5.00
Styrene	100	1200	< 0.280		0.280	< 0.280		0.280	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
1,1,1,2-Tetrachloroethane	NE	0.076	< 0.190		0.190	< 0.190		0.190	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Tetrachloroethene	5	11	< 0.140		0.140	< 0.140		0.140	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Toluene	1000	1100	< 0.170		0.170	< 0.170		0.170	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
1,2,4-Trichlorobenzene	70	1.1	< 0.200		0.200	< 0.200		0.200	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
1,2,3-Trichlorobenzene	NE	7	< 0.230		0.230	< 0.230		0.230	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
1,1,1-Trichloroethane	200	8000	< 0.190		0.190	< 0.190		0.190	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
1,1,2-Trichloroethane	5	0.28	< 0.190		0.190	< 0.190		0.190	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Trichloroethene	5	0.49	< 0.200		0.200	< 0.200		0.200	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Trichlorofluoromethane	NE	1100	< 0.210		0.210	< 0.210		0.210	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Vinyl chloride	2	0.019	< 0.180		0.180	< 0.180		0.180	< 5.00	A-01 P6 RL1	5.00	< 0.500	P6	0.500	< 0.500	P6	0.500	< 0.500	pH	0.500
Xylenes, total	10000	190	< 0.380		0.380	< 0.380		0.380	< 15.0	A-01 P6 RL1	15.0	< 1.50	P6	1.50	< 1.50	P6	1.50	< 1.50	pH	1.50

**Table 11**  
**Summary of Groundwater Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8260B	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NUK1792-04 Tract 35 TW-5 (0-10) 11/10/2011			NWC2604-03 Tract 35 TW-6 (16-20) 03/20/2012			NWC2754-03 Tract 35 TW-7 (20-24) 03/21/2012			NWC0375-03 Tract 37 TW-1 (20-24) 02/29/2012			NWC0375-06 Tract 37 TW-2 (10-14) 02/29/2012			NWC0345-03 Tract 37 TW-3 (10-14) 03/01/2012		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	NE	14000	< 25.0	pH	25.0	< 25.0		25.0	< 25.0		25.0	< 25.0		25.0	< 25.0		25.0	< 25.0		25.0
Benzene	5	0.45	1.85	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Bromochloromethane	NE	83	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Bromodichloromethane	80	0.13	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Bromoform	80	9.2	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Bromomethane	NE	7.5	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
2-Butanone	NE	5600	< 25.0	pH	25.0	< 25.0	L1	25.0	< 25.0		25.0	< 25.0		25.0	< 25.0		25.0	< 25.0		25.0
Carbon disulfide	NE	810	< 0.500	pH	0.500	0.590	J	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	0.970	J	0.500
Carbon Tetrachloride	5	0.45	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Chlorobenzene	100	78	13.7	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Chlorodibromomethane	80	0.17	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Chloroethane	NE	21000	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Chloroform	80	0.22	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Chloromethane	NE	190	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Cyclohexane	NE	13000	< 2.50	pH	2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50
1,2-Dibromo-3-chloropropane	0.2	0.00033	< 5.00	pH	5.00	< 5.00	L1	5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00
1,2-Dibromoethane (EDB)	0.05	0.0075	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Methylcyclohexane	NE	NE	< 2.50	pH	2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50
1,2-Dichlorobenzene	600	300	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	0.530	J	0.500	< 0.500		0.500	< 0.500		0.500
1,3-Dichlorobenzene	NE	NE	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
1,4-Dichlorobenzene	75	0.48	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Dichlorodifluoromethane	NE	200	< 0.600	pH	0.600	< 0.600		0.600	< 0.600		0.600	< 0.600		0.600	< 0.600		0.600	< 0.600		0.600
1,2-Dichloroethane	5	0.17	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
1,1-Dichloroethane	NE	2.7	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	8.08		0.500	< 0.500		0.500	< 0.500		0.500
1,1-Dichloroethene	7	280	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	2.90		0.500	< 0.500		0.500	< 0.500		0.500
trans-1,2-Dichloroethene	100	360	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	2.47		0.500	< 0.500		0.500	< 0.500		0.500
1,1,2-Trifluorotrichloroethane	NE	55000	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
cis-1,2-Dichloroethene	70	36	3.59	pH	0.500	< 0.500		0.500	< 0.500		0.500	588		10.0	0.810	J	0.500	< 0.500		0.500
1,2-Dichloropropane	5	0.44	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
trans-1,3-Dichloropropene	NE	NE	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
cis-1,3-Dichloropropene	NE	NE	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Ethylbenzene	700	1.5	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
2-Hexanone	NE	38	< 5.00	pH	5.00	< 5.00	L1	5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00
Isopropylbenzene	NE	450	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Methyl Acetate	NE	20000	< 5.00	pH	5.00	< 5.00	L1	5.00	< 5.00		5.00	< 5.00	L2	5.00	< 5.00	L2	5.00	< 5.00	L2	5.00
Methyl tert-Butyl Ether	NE	14	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Methylene Chloride	5	11	< 2.50	pH	2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50
4-Methyl-2-pentanone	NE	1200	< 5.00	pH	5.00	< 5.00	L1	5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00
Styrene	100	1200	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
1,1,1,2-Tetrachloroethane	NE	0.076	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Tetrachloroethene	5	11	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Toluene	1000	1100	< 0.500	pH	0.500	0.940		0.500	< 0.500		0.500	0.590	J	0.500	0.600	J	0.500	< 0.500		0.500
1,2,4-Trichlorobenzene	70	1.1	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
1,2,3-Trichlorobenzene	NE	7	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
1,1,1-Trichloroethane	200	8000	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
1,1,2-Trichloroethane	5	0.28	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Trichloroethene	5	0.49	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	31.5		0.500	< 0.500		0.500	< 0.500		0.500
Trichlorofluoromethane	NE	1100	< 0.500	pH	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Vinyl chloride	2	0.019	1.42	pH	0.500	< 0.500		0.500	< 0.500		0.500	624		10.0	< 0.500		0.500	< 0.500		0.500
Xylenes, total	10000	190	< 1.50	pH	1.50	< 1.50		1.50	< 1.50		1.50	< 1.50		1.50	< 1.50		1.50	< 1.50		1.50

**Table 11**  
**Summary of Groundwater Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8260B	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NWA4535-06 Tract 40 TW-1 (4-8) 01/26/2012			NWA4733-03 Tract 44 TW-1 (4-8) 01/27/2012			NVL1571-03 Tract 45 TW-1 (17-21) 12/09/2011			NVL1567-06 Tract 57 TW-1 (8-12) 12/09/2011			NWC0345-06 Tract 62 TW-1 (8-12) 03/01/2012			NUK1797-03 Tract 67 TW-1 (8-12) 11/11/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	NE	14000	< 25.0		25.0	< 25.0		25.0	< 25.0		25.0	< 25.0		25.0	< 25.0		25.0	< 25.0	pH	25.0
Benzene	5	0.45	< 0.500		0.500	< 0.500		0.500	0.540	J	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Bromochloromethane	NE	83	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Bromodichloromethane	80	0.13	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Bromoform	80	9.2	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Bromomethane	NE	7.5	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
2-Butanone	NE	5600	< 25.0		25.0	< 25.0		25.0	< 25.0		25.0	< 25.0		25.0	< 25.0		25.0	< 25.0	L1 pH	25.0
Carbon disulfide	NE	810	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Carbon Tetrachloride	5	0.45	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Chlorobenzene	100	78	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Chlorodibromomethane	80	0.17	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Chloroethane	NE	21000	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Chloroform	80	0.22	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Chloromethane	NE	190	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Cyclohexane	NE	13000	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50	pH	2.50
1,2-Dibromo-3-chloropropane	0.2	0.00033	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00	pH	5.00
1,2-Dibromoethane (EDB)	0.05	0.0075	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Methylcyclohexane	NE	NE	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50	pH	2.50
1,2-Dichlorobenzene	600	300	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
1,3-Dichlorobenzene	NE	NE	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
1,4-Dichlorobenzene	75	0.48	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Dichlorodifluoromethane	NE	200	< 0.600		0.600	< 0.600		0.600	< 0.600		0.600	< 0.600		0.600	< 0.600		0.600	< 0.600	pH	0.600
1,2-Dichloroethane	5	0.17	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
1,1-Dichloroethane	NE	2.7	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
1,1-Dichloroethene	7	280	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
trans-1,2-Dichloroethene	100	360	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
1,1,2-Trifluorotrchloroethane	NE	55000	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
cis-1,2-Dichloroethene	70	36	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
1,2-Dichloropropane	5	0.44	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
trans-1,3-Dichloropropene	NE	NE	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
cis-1,3-Dichloropropene	NE	NE	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Ethylbenzene	700	1.5	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
2-Hexanone	NE	38	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00	pH	5.00
Isopropylbenzene	NE	450	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Methyl Acetate	NE	20000	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00	L2	5.00	< 5.00	pH	5.00
Methyl tert-Butyl Ether	NE	14	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Methylene Chloride	5	11	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50		2.50	< 2.50	pH	2.50
4-Methyl-2-pentanone	NE	1200	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00		5.00	< 5.00	pH	5.00
Styrene	100	1200	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
1,1,2,2-Tetrachloroethane	NE	0.076	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Tetrachloroethene	5	11	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Toluene	1000	1100	< 0.500		0.500	0.520	J	0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
1,2,4-Trichlorobenzene	70	1.1	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
1,2,3-Trichlorobenzene	NE	7	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
1,1,1-Trichloroethane	200	8000	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
1,1,2-Trichloroethane	5	0.28	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Trichloroethene	5	0.49	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Trichlorofluoromethane	NE	1100	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Vinyl chloride	2	0.019	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.500	pH	0.500
Xylenes, total	10000	190	< 1.50		1.50	< 1.50		1.50	< 1.50		1.50	< 1.50		1.50	< 1.50		1.50	< 1.50	pH	1.50

**Table 11**  
**Summary of Groundwater Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in micrograms per liter.

Blue text indicates exceedance of screening level.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58. The MCL, if listed, supercedes the TWSL.

2. Tap Water Screening Level listed in the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table January 2015.

"NE" indicates specific screening level not listed.

"PV" qualifier indicates acid preservation was indicated on the sample vial; however, a pH <2 was not obtained.

"RL1" qualifier indicates parameter reporting limit raised due to sample matrix effects.

"P6" qualifier indicates sample received unpreserved, however the sample was analyzed within 7 days per EPA recommendation.

"pH" qualifier indicates pH > 2.

"A-01" qualifier indicates sample contained too much sediment to run straight.

"L1" qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.

"J" qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

"L" qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected. Data not impacted.

"M8" qualifier indicates the Matrix Spike and/or Matrix Spike Duplicate were below the acceptance limits.

"M7" qualifier indicates the Matrix Spike and/or Matrix Spike Duplicate were above the acceptance limits.

"L2" qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.

\*\*\* qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate exceeds the control limits.

**Table 12**  
**Summary of Groundwater Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8270D	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NWB3949-03 Tract 1 TW-1 (54-60) 02/28/2012			NWB3949-06 Tract 1 TW-2 (26-30) 02/28/2012			490-66802-2 Tract 4 TW-1 (8-12) 11/18/2014			490-66957-8 Tract 4 TW-2 (4-14) 11/20/2014			490-66957-5 Tract 4A TW-1 (8-12) 11/20/2014			490-66802-5 Tract 4B TW-1 (6-10) 11/19/2014			490-66957-2 Tract 4C TW-1 (3-13) 11/19/2014			490-37637-3 Tract 6 TW-1 (8-12) 10/10/2013			490-37637-6 Tract 6 TW-2 (54-58) 10/10/2013		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	NE	530	< 0.952	0.952	< 1.00	1.00	< 0.498	0.498	< 0.347	0.347	< 0.352	0.352	10.9	0.398	< 0.357	0.357	< 0.349	0.349	< 0.349	0.349	< 0.349	0.349	< 0.349	0.349	< 0.349	0.349	< 0.349	0.349	
Acenaphthylene	NE	NE	< 0.952	0.952	< 1.00	1.00	< 0.449	0.449	< 0.313	0.313	< 0.317	0.317	< 0.359	0.359	< 0.322	0.322	< 0.314	0.314	< 0.314	0.314	< 0.314	0.314	< 0.314	0.314	< 0.314	0.314	< 0.314	0.314	
Anthracene	NE	1800	< 0.952	0.952	< 1.00	1.00	< 1.20	1.20	< 0.837	0.837	< 0.849	0.849	< 0.960	0.960	< 0.861	0.861	< 0.841	0.841	< 0.841	0.841	< 0.841	0.841	< 0.841	0.841	< 0.841	0.841	< 0.841	0.841	
Benzo (a) anthracene	NE	0.034	< 0.952	0.952	< 1.00	1.00	< 0.441	0.441	< 0.307	0.307	< 0.312	0.312	< 0.352	0.352	< 0.316	0.316	< 0.309	0.309	< 0.309	0.309	< 0.309	0.309	< 0.309	0.309	< 0.309	0.309	< 0.309	0.309	
Benzo (a) pyrene	0.2	0.0034	< 0.952	0.952	< 1.00	1.00	< 0.449	0.449	< 0.313	0.313	< 0.317	0.317	< 0.359	0.359	< 0.322	0.322	< 0.314	0.314	< 0.314	0.314	< 0.314	0.314	< 0.314	0.314	< 0.314	0.314	< 0.314	0.314	
Benzo (b) fluoranthene	NE	0.034	< 0.952	0.952	< 1.00	1.00	< 0.574	0.574	< 0.400	0.400	< 0.406	0.406	< 0.459	0.459	< 0.412	0.412	< 0.402	0.402	< 0.402	0.402	< 0.402	0.402	< 0.402	0.402	< 0.402	0.402	< 0.402	0.402	
Benzo (g,h,i) perylene	NE	NE	< 0.952	0.952	< 1.00	1.00	< 0.390	0.390	< 0.272	0.272	< 0.276	0.276	< 0.312	0.312	< 0.280	0.280	< 0.273	0.273	< 0.273	0.273	< 0.273	0.273	< 0.273	0.273	< 0.273	0.273	< 0.273	0.273	
Benzo (k) fluoranthene	NE	0.34	< 0.952	0.952	< 1.00	1.00	< 0.495	0.495	< 0.345	0.345	< 0.350	0.350	< 0.396	0.396	< 0.355	0.355	< 0.347	0.347	< 0.347	0.347	< 0.347	0.347	< 0.347	0.347	< 0.347	0.347	< 0.347	0.347	
4-Bromophenyl phenyl ether	NE	NE	< 4.76	4.76	< 5.00	5.00	< 1.86	1.86	< 1.30	1.30	< 1.32	1.32	< 1.49	1.49	< 1.34	1.34	< 1.30	1.30	< 1.30	1.30	< 1.30	1.30	< 1.30	1.30	< 1.30	1.30	< 1.30	1.30	
Butyl benzyl phthalate	NE	16	< 4.76	4.76	< 5.00	5.00	< 2.37	2.37	< 1.65	1.65	< 1.67	1.67	< 1.89	1.89	< 1.70	1.70	< 1.66	1.66	< 1.66	1.66	< 1.66	1.66	< 1.66	1.66	< 1.66	1.66	< 1.66	1.66	
Carbazole	NE	NE	< 4.76	4.76	< 5.00	5.00	< 0.407	0.407	< 0.283	0.283	< 0.288	0.288	< 0.325	0.325	< 0.292	0.292	< 0.285	0.285	< 0.285	0.285	< 0.285	0.285	< 0.285	0.285	< 0.285	0.285	< 0.285	0.285	
4-Chloro-3-methylphenol	NE	1400	< 4.76	4.76	< 5.00	5.00	< 4.53	4.53	< 3.16	3.16	< 3.20	3.20	< 3.62	3.62	< 3.25	3.25	< 3.17	3.17	< 3.17	3.17	< 3.17	3.17	< 3.17	3.17	< 3.17	3.17	< 3.17	3.17	
4-Chloroaniline	NE	0.36	< 4.76	4.76	< 5.00	5.00	< 1.59	1.59	< 1.11	1.11	< 1.13	1.13	< 1.27	1.27	< 1.14	1.14	< 1.11	1.11	< 1.11	1.11	< 1.11	1.11	< 1.11	1.11	< 1.11	1.11	< 1.11	1.11	
Bis(2-chloroethoxy)methane	NE	59	< 4.76	4.76	< 5.00	5.00	< 1.85	1.85	< 1.29	1.29	< 1.31	1.31	< 1.48	1.48	< 1.33	1.33	< 1.30	1.30	< 1.30	1.30	< 1.30	1.30	< 1.30	1.30	< 1.30	1.30	< 1.30	1.30	
Bis(2-chloroethyl)ether	NE	0.014	< 4.76	4.76	< 5.00	5.00	< 1.89	1.89	< 1.32	1.32	< 1.34	1.34	< 1.51	1.51	< 1.36	1.36	< 1.32	1.32	< 1.32	1.32	< 1.32	1.32	< 1.32	1.32	< 1.32	1.32	< 1.32	1.32	
Bis(2-chloroisopropyl)ether	NE	0.36	< 4.76	4.76	< 5.00	5.00	< 2.67	2.67	< 1.86	1.86	< 1.88	1.88	< 2.13	2.13	< 1.91	1.91	< 1.87	1.87	< 1.87	1.87	< 1.87	1.87	< 1.87	1.87	< 1.87	1.87	< 1.87	1.87	
2-Chloronaphthalene	NE	750	< 4.76	4.76	< 5.00	5.00	< 2.23	2.23	< 1.55	1.55	< 1.58	1.58	< 1.78	1.78	< 1.60	1.60	< 1.56	1.56	< 1.56	1.56	< 1.56	1.56	< 1.56	1.56	< 1.56	1.56	< 1.56	1.56	
2-Chlorophenol	NE	91	< 4.76	4.76	< 5.00	5.00	< 2.16	2.16	< 1.51	1.51	< 1.53	1.53	< 1.73	1.73	< 1.55	1.55	< 1.51	1.51	< 1.51	1.51	< 1.51	1.51	< 1.51	1.51	< 1.51	1.51	< 1.51	1.51	
4-Chlorophenyl phenyl ether	NE	NE	< 4.76	4.76	< 5.00	5.00	< 2.38	2.38	< 1.66	1.66	< 1.68	1.68	< 1.90	1.90	< 1.71	1.71	< 1.67	1.67	< 1.67	1.67	< 1.67	1.67	< 1.67	1.67	< 1.67	1.67	< 1.67	1.67	
Chrysene	NE	3.4	< 0.952	0.952	< 1.00	1.00	< 1.48	1.48	< 1.03	1.03	< 1.05	1.05	< 1.18	1.18	< 1.06	1.06	< 1.04	1.04	< 1.04	1.04	< 1.04	1.04	< 1.04	1.04	< 1.04	1.04	< 1.04	1.04	
Dibenz (a,h) anthracene	NE	0.0034	< 0.952	0.952	< 1.00	1.00	< 0.876	0.876	< 0.610	0.610	< 0.619	0.619	< 0.700	0.700	< 0.628	0.628	< 0.613	0.613	< 0.613	0.613	< 0.613	0.613	< 0.613	0.613	< 0.613	0.613	< 0.613	0.613	
Dibenzofuran	NE	7.9	< 4.76	4.76	< 5.00	5.00	< 0.461	0.461	< 0.321	0.321	< 0.326	0.326	3.33	0.368	< 0.331	0.331	< 0.323	0.323	< 0.323	0.323	< 0.323	0.323	< 0.323	0.323	< 0.323	0.323	< 0.323	0.323	
Di-n-butyl phthalate	NE	900	< 4.76	4.76	< 5.00	5.00	< 2.04	2.04	< 1.42	1.42	< 1.44	1.44	< 1.63	1.63	< 1.46	1.46	< 1.43	1.43	< 1.43	1.43	< 1.43	1.43	< 1.43	1.43	< 1.43	1.43	< 1.43	1.43	
3,3-Dichlorobenzidine	NE	0.12	< 4.76	4.76	< 5.00	5.00	< 2.07	2.07	< 1.44	1.44	< 1.46	1.46	< 1.65	1.65	< 1.48	1.48	< 1.45	1.45	< 1.45	1.45	< 1.45	1.45	< 1.45	1.45	< 1.45	1.45	< 1.45	1.45	
2,4-Dichlorophenol	NE	46	< 4.76	4.76	< 5.00	5.00	< 1.39	1.39	< 0.967	0.967	< 0.981	0.981	< 1.11	1.11	< 0.995	0.995	< 0.971	0.971	< 0.971	0.971	< 0.971	0.971	< 0.971	0.971	< 0.971	0.971	< 0.971	0.971	
Diethyl phthalate	NE	15000	< 4.76	4.76	< 5.00	5.00	< 2.20	2.20	< 2.76	J 1.54	< 1.56	1.56	< 1.76	1.76	< 1.58	J 1.58	< 1.54	1.54	< 1.54	1.54	< 1.54	1.54	< 1.54	1.54	< 1.54	1.54	< 1.54	1.54	
2,4-Dimethylphenol	NE	360	< 4.76	4.76	< 5.00	5.00	< 1.36	1.36	< 0.944	0.944	< 0.958	0.958	< 1.08	1.08	< 0.972	0.972	< 0.949	0.949	< 0.949	0.949	< 0.949	0.949	< 0.949	0.949	< 0.949	0.949	< 0.949	0.949	
Dimethyl phthalate	NE	NE	< 4.76	4.76	< 5.00	5.00	< 2.46	2.46	< 1.72	1.72	< 1.74	1.74	< 1.97	1.97	< 1.77	1.77	< 1.72	1.72	< 1.72	1.72	< 1.72	1.72	< 1.72	1.72	< 1.72	1.72	< 1.72	1.72	
4,6-Dinitro-2-methylphenol	NE	1.5	< 12.4	12.4	< 13.0	13.0	< 2.82	2.82	< 1.96	1.96	< 1.99	1.99	< 2.25	2.25	< 2.02	2.02	< 1.97	1.97	< 1.97	1.97	< 1.97	1.97	< 1.97	1.97	< 1.97	1.97	< 1.97	1.97	
2,4-Dinitrophenol	NE	39	< 12.4	12.4	< 13.0	13.0	< 3.35	3.35	< 2.33	2.33	< 2.37	2.37	< 2.67	2.67	< 2.40	2.40	< 2.34	2.34	< 2.34	2.34	< 2.34	2.34	< 2.34	2.34	< 2.34	2.34	< 2.34	2.34	
2,6-Dinitrotoluene	NE	0.048	< 4.76	4.76	< 5.00	5.00	< 2.64	2.64	< 1.84	1.84	< 1.87	1.87	< 2.11	2.11	< 1.89	1.89	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	
2,4-Dinitrotoluene	NE	0.24	< 4.76	4.76	< 5.00	5.00	< 4.53	4.53	< 3.16	3.16	< 3.20	3.20	< 3.62	3.62	< 3.25	3.25	< 3.17	3.17	< 3.17	3.17	< 3.17	3.17	< 3.17	3.17	< 3.17	3.17	< 3.17	3.17	
Di-n-octyl phthalate	NE	200	< 4.76	4.76	< 5.00	5.00	< 3.14	3.14	< 2.19	2.19	< 2.22	2.22	< 2.51	2.51	< 2.25	2.25	< 2.20	2.20	< 2.20	2.20	< 2.20	2.20	< 2.20	2.20	< 2.20	2.20	< 2.20	2.20	
1,2-Dichlorobenzene	600	300	< 4.76	4.76	< 5.00	5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bis(2-ethylhexyl)phthalate	6	5.6	< 4.76	L 4.76	< 5.00	5.00	5.56	J 2.80	< 1.95	1.95	< 1.98	1.98	6.11	J 2.24	< 2.01	NA 2.01	< 1.96	NA 1.96	< 1.96	NA 1.96	< 1.96	NA 1.96	< 1.96	NA 1.96	< 1.96	NA 1.96	< 1.96	NA 1.96	
1,3-Dichlorobenzene	NE	NE	< 4.76	4.76	< 5.00	5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Fluoranthene	NE	800	< 0.952	0.952	< 1.00	1.00	< 0.472	0.472	< 0.329	0.329	< 0.334	0.334	1.31	J 0.377	< 0.339	NA 0.339	< 0.330	NA 0.330	< 0.330	NA 0.330	< 0.330	NA 0.330	< 0.330	NA 0.330	< 0.330	NA 0.330	< 0.330	NA 0.330	
1,4-Dichlorobenzene	NE	75	< 4.76	4.76	< 5.00	5.00	NA	NA	NA	NA	NA																		

**Table 12**  
**Summary of Groundwater Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8270D	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NVL1567-03 Tract 22 TW-1 (16-20) 12/09/2011			NVL1390-03 Tract 24 TW-1 (4-8) 12/07/2011			NVL1390-06 Tract 24 TW-2 (3-7) 12/07/2011			NWA4535-03-RE1 Tract 26 TW-1 (26-30) 01/26/2012			NUK1792-06 Tract 28 TW-1 (40-44) 11/10/2011			490-37157-3 Tract 29 TW-1 (8-12) 10/07/2013			490-37270-3 Tract 29 TW-2 (24-28) 10/08/2013			490-37270-5 Tract 33 TW-1 (20-24) 10/08/2013			490-37411-3 Tract 33 TW-2 (20-24) 10/09/2013		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	NE	530	< 0.952	0.952	6.91	0.952	4.10	0.962	< 0.943	0.943	< 0.980	0.980	< 0.362	0.362	< 0.342	0.342	< 0.345	0.345	< 0.342	0.342									
Acenaphthylene	NE	NE	< 0.952	0.952	< 0.952	0.952	< 0.962	0.962	< 0.943	0.943	< 0.980	0.980	< 0.327	0.327	< 0.308	0.308	< 0.311	0.311	< 0.308	0.308									
Anthracene	NE	1800	< 0.952	0.952	1.15	J	0.952	2.73	0.962	< 0.943	0.943	< 0.980	0.980	< 0.874	0.874	< 0.825	0.825	< 0.833	0.833	< 0.825	0.825								
Benzo (a) anthracene	NE	0.034	< 0.952	0.952	< 0.952	0.952	1.39	J	0.962	< 0.943	0.943	< 0.980	0.980	< 0.321	0.321	< 0.303	0.303	< 0.306	0.306	< 0.303	0.303								
Benzo (a) pyrene	0.2	0.0034	< 0.952	0.952	< 0.952	0.952	< 0.962	0.962	< 0.943	0.943	< 0.980	0.980	< 0.327	0.327	< 0.308	0.308	< 0.311	0.311	< 0.308	0.308									
Benzo (b) fluoranthene	NE	0.034	< 0.952	0.952	< 0.952	0.952	< 0.962	0.962	< 0.943	0.943	< 0.980	0.980	< 0.418	0.418	< 0.394	0.394	< 0.398	0.398	< 0.394	0.394									
Benzo (g,h,i) perylene	NE	NE	< 0.952	0.952	< 0.952	0.952	< 0.962	0.962	< 0.943	0.943	< 0.980	0.980	< 0.284	0.284	< 0.268	0.268	< 0.271	0.271	< 0.268	0.268									
Benzo (k) fluoranthene	NE	0.34	< 0.952	0.952	< 0.952	0.952	< 0.962	0.962	< 0.943	0.943	< 0.980	0.980	< 0.360	0.360	< 0.340	0.340	< 0.343	0.343	< 0.340	0.340									
4-Bromophenyl phenyl ether	NE	NE	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.36	1.36	< 1.28	1.28	< 1.29	1.29	< 1.28	1.28									
Butyl benzyl phthalate	NE	16	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.72	1.72	< 1.63	1.63	< 1.64	1.64	< 1.63	1.63									
Carbazole	NE	NE	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 0.296	0.296	< 0.279	0.279	< 0.282	0.282	< 0.279	0.279									
4-Chloro-3-methylphenol	NE	1400	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 3.30	3.30	< 3.11	3.11	< 3.14	3.14	< 3.11	3.11									
4-Chloroaniline	NE	0.36	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.16	1.16	< 1.09	1.09	< 1.10	1.10	< 1.09	1.09									
Bis(2-chloroethoxy)methane	NE	59	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.35	1.35	< 1.27	1.27	< 1.28	1.28	< 1.27	1.27									
Bis(2-chloroethyl)ether	NE	0.014	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.38	1.38	< 1.30	1.30	< 1.31	1.31	< 1.30	1.30									
Bis(2-chloroisopropyl)ether	NE	0.36	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.94	1.94	< 1.83	1.83	< 1.85	1.85	< 1.83	1.83									
2-Chloronaphthalene	NE	750	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.62	1.62	< 1.53	1.53	< 1.55	1.55	< 1.53	1.53									
2-Chlorophenol	NE	91	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.57	1.57	< 1.49	1.49	< 1.50	1.50	< 1.49	1.49									
4-Chlorophenyl phenyl ether	NE	NE	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.73	1.73	< 1.64	1.64	< 1.65	1.65	< 1.64	1.64									
Chrysene	NE	3.4	< 0.952	0.952	< 0.952	0.952	< 0.962	0.962	< 0.943	0.943	< 0.980	0.980	< 1.08	1.08	< 1.02	1.02	< 1.03	1.03	< 1.02	1.02									
Dibenz (a,h) anthracene	NE	0.0034	< 0.952	0.952	< 0.952	0.952	< 0.962	0.962	< 0.943	0.943	< 0.980	0.980	< 0.638	0.638	< 0.602	0.602	< 0.608	0.608	< 0.602	0.602									
Dibenzofuran	NE	7.9	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 0.336	0.336	< 0.317	0.317	< 0.320	0.320	< 0.317	0.317									
Di-n-butyl phthalate	NE	900	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.49	1.49	< 1.40	1.40	< 1.42	1.42	< 1.40	1.40									
3,3-Dichlorobenzidine	NE	0.12	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.50	1.50	< 1.42	1.42	< 1.43	1.43	< 1.42	1.42									
2,4-Dichlorophenol	NE	46	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.01	1.01	< 0.953	0.953	< 0.962	0.962	< 0.953	0.953									
Diethyl phthalate	NE	15000	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.60	1.60	< 1.51	1.51	< 1.53	1.53	< 1.51	1.51									
2,4-Dimethylphenol	NE	360	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 0.986	0.986	< 0.931	0.931	< 0.940	0.940	< 0.931	0.931									
Dimethyl phthalate	NE	NE	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.79	1.79	< 1.69	1.69	< 1.71	1.71	< 1.69	1.69									
4,6-Dinitro-2-methylphenol	NE	1.5	< 12.4	12.4	< 12.4	12.4	< 12.5	12.5	< 12.3	12.3	< 12.7	12.7	< 2.05	2.05	< 1.93	1.93	< 1.95	1.95	< 1.93	1.93									
2,4-Dinitrophenol	NE	39	< 12.4	12.4	< 12.4	12.4	< 12.5	12.5	< 12.3	12.3	< 12.7	12.7	< 2.44	2.44	< 2.30	2.30	< 2.32	2.32	< 2.30	2.30									
2,6-Dinitrotoluene	NE	0.048	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.92	1.92	< 1.81	1.81	< 1.83	1.83	< 1.81	1.81									
2,4-Dinitrotoluene	NE	0.024	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 3.30	3.30	< 3.11	3.11	< 3.14	3.14	< 3.11	3.11									
Di-n-octyl phthalate	NE	200	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 2.29	2.29	< 2.16	2.16	< 2.18	2.18	< 2.16	2.16									
1,2-Dichlorobenzene	600	300	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	NA	NA	NA	NA	NA	NA	NA	NA									
Bis(2-ethylhexyl)phthalate	6	5.6	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	2.27	JB	2.04	2.17	JB	1.93	3.36	JB	1.94	< 1.93	NA	1.93					
1,3-Dichlorobenzene	NE	NE	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	NA	NA	NA	NA	NA	NA	NA	NA									
Fluoranthene	NE	800	< 0.952	0.952	2.31	0.952	4.62	0.962	< 0.943	0.943	< 0.980	0.980	< 0.344	0.344	< 0.324	0.324	< 0.327	0.327	< 0.324	0.324									
1,4-Dichlorobenzene	NE	75	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	NA	NA	NA	NA	NA	NA	NA	NA									
Fluorene	NE	290	< 0.952	0.952	8.49	0.952	7.11	0.962	< 0.943	0.943	< 0.980	0.980	< 0.313	0.313	< 0.295	0.295	< 0.298	0.298	< 0.295	0.295									
Hexachlorobenzene	1	0.049	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.67	1.67	< 1.58	1.58	< 1.59	1.59	< 1.58	1.58									
Hexachlorobutadiene	NE	0.3	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 3.30	3.30	< 3.11	3.11	< 3.14	3.14	< 3.11	3.11									
Hexachlorocyclopentadiene	50	31	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 3.30	3.30	< 3.11	3.11	< 3.14	3.14	< 3.11	3.11									
Hexachloroethane	NE	0.9	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 3.30	3.30	< 3.11	3.11	< 3.14	3.14	< 3.11	3.11									
Indeno (1,2,3-cd) pyrene	NE	0.034	< 0.952	0.952	< 0.952	0.952	< 0.962	0.962	< 0.943	0.943	< 0.980	0.980	< 0.377	0.377	< 0.356	0.356	< 0.359	0.359	< 0.356	0.356									
Isophorone	NE	78	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 1.23	1.23	< 1.16	1.16	< 1.17	1.17	< 1.16	1.16									
2-Methylnaphthalene	NE	36	< 0.952	0.952	5.73	0.952	486	4.81	< 0.943	0.943	< 0.980	0.980	< 0.308	0.308	< 0.291	0.291	< 0.293	0.293	< 0.291	0.291									
2-Methylphenol	NE	930	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 3.30	3.30	< 3.11	3.11	< 3.14	3.14	< 3.11	3.11									
3/4-Methylphenol	NE	NE	< 4.76	4.76	< 4.76	4.76	< 4.81	4.81	< 4.72	4.72	< 4.90	4.90	< 3.30	3.30	< 3.11	3.11	< 3.14	3.14	< 3.11	3.11									
Naphthalene	NE	0.17	< 0.952	0.952	< 0.952	0.952	1180	24.0	< 0.943	0.943	< 0.980	0.980	< 0.394	0.394	< 0.372	0.372	< 0.375	0.375	< 0.372	0.372									
3-Nitroaniline	NE	NE	< 12.4	12.4	< 12.4	12.4	< 12.5	12.5	< 12.3	12.3	< 12.7	12.7	< 1.83	1.83	< 1.73	1.73	< 1.75	1.75	< 1.73	1.73									
2-Nitroaniline	NE	190	< 12.4	12.4	< 12.4	12.4	< 12.5	12.5	< 12.3	12.3	< 12.7	12.7	< 1.03	1.03	< 0.972	0.972	< 0.981	0.981	< 0.972	0.972									
4-Nitroaniline	NE	3.8	< 12.4	12.4	< 12.4	12.4	< 12.5	12.5	< 12.3																				

**Table 12**  
**Summary of Groundwater Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled:	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	490-37411-5 Tract 33 TW-3 (20-24) 10/09/2013			490-37639-3 Tract 33 TW-4 (14-18) 10/11/2013			NUK1675-03-RE1 Tract 35 TW-1 (40-44) 11/08/2011			NUK1675-06 Tract 35 TW-2 (26-30) 11/09/2011			NUK1675-08 Tract 35 TW-3 (1-5) 11/09/2011			NUK1792-01 Tract 35 TW-4 (16-20) 11/10/2011			NUK1792-04 Tract 35 TW-5 (0-10) 11/10/2011			NWC2604-03 Tract 35 TW-6 (16-20) 03/20/2012			NWC2754-03 Tract 35 TW-7 (20-24) 03/21/2012			
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	
WATER BY SW846 8270D																														
Acenaphthene	NE	530	< 0.342	0.342	< 0.355	0.355	< 0.980	0.980	< 0.952	0.952	< 0.980	0.980	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 0.943	0.943	< 0.962	0.962
Acenaphthylene	NE	NE	< 0.308	0.308	< 0.320	0.320	< 0.980	0.980	< 0.952	0.952	< 0.980	0.980	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 0.943	0.943	< 0.962	0.962
Anthracene	NE	1800	< 0.825	0.825	< 0.857	0.857	< 0.980	0.980	< 0.952	0.952	< 0.980	0.980	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 0.943	0.943	< 0.962	0.962
Benzo (a) anthracene	NE	0.034	< 0.303	0.303	< 0.315	0.315	< 0.980	0.980	< 0.952	0.952	< 0.980	0.980	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 0.943	0.943	< 0.962	0.962
Benzo (a) pyrene	0.2	0.0034	< 0.308	0.308	< 0.320	0.320	< 0.980	0.980	< 0.952	0.952	< 0.980	0.980	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 0.943	0.943	< 0.962	0.962
Benzo (b) fluoranthene	NE	0.034	< 0.394	0.394	< 0.410	0.410	< 0.980	0.980	< 0.952	0.952	< 0.980	0.980	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 0.943	0.943	< 0.962	0.962
Benzo (g,h,i) perylene	NE	NE	< 0.268	0.268	< 0.279	0.279	< 0.980	0.980	< 0.952	0.952	< 0.980	0.980	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 0.943	0.943	< 0.962	0.962
Benzo (k) fluoranthene	NE	0.34	< 0.340	0.340	< 0.353	0.353	< 0.980	0.980	< 0.952	0.952	< 0.980	0.980	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 0.943	0.943	< 0.962	0.962
4-Bromophenyl phenyl ether	NE	NE	< 1.28	1.28	< 1.33	1.33	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
Butyl benzyl phthalate	NE	16	< 1.63	1.63	< 1.69	1.69	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
Carbazole	NE	NE	< 0.279	0.279	< 0.290	0.290	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
4-Chloro-3-methylphenol	NE	1400	< 3.11	3.11	< 3.23	3.23	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
4-Chloroaniline	NE	0.36	< 1.09	1.09	< 1.14	1.14	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
Bis(2-chloroethoxy)methane	NE	59	< 1.27	1.27	< 1.32	1.32	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
Bis(2-chloroethyl)ether	NE	0.014	< 1.30	1.30	< 1.35	1.35	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
Bis(2-chloroisopropyl)ether	NE	0.36	< 1.83	1.83	< 1.90	1.90	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
2-Chloronaphthalene	NE	750	< 1.53	1.53	< 1.59	1.59	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
2-Chlorophenol	NE	91	< 1.49	1.49	< 1.54	1.54	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
4-Chlorophenyl phenyl ether	NE	NE	< 1.64	1.64	< 1.70	1.70	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
Chrysene	NE	3.4	< 1.02	1.02	< 1.06	1.06	< 0.980	0.980	< 0.952	0.952	< 0.980	0.980	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 0.943	0.943	< 0.962	0.962
Dibenz (a,h) anthracene	NE	0.0034	< 0.602	0.602	< 0.625	0.625	< 0.980	0.980	< 0.952	0.952	< 0.980	0.980	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 1.00	1.00	< 0.943	0.943	< 0.962	0.962	< 0.943	0.943	< 0.962	0.962
Dibenzofuran	NE	7.9	< 0.317	0.317	< 0.329	0.329	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
Di-n-butyl phthalate	NE	900	< 1.40	1.40	< 1.46	1.46	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
3,3-Dichlorobenzidine	NE	0.12	< 1.42	1.42	< 1.48	1.48	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
2,4-Dichlorophenol	NE	46	< 0.953	0.953	< 0.990	0.990	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
Diethyl phthalate	NE	15000	< 1.51	1.51	< 1.57	1.57	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
2,4-Dimethylphenol	NE	360	< 0.931	0.931	< 0.967	0.967	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
Dimethyl phthalate	NE	NE	< 1.69	1.69	< 1.76	1.76	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
4,6-Dinitro-2-methylphenol	NE	1.5	< 1.93	1.93	< 2.01	2.01	< 12.7	12.7	< 12.4	12.4	< 12.7	12.7	< 12.5	12.5	< 13.0	13.0	< 12.3	12.3	< 12.5	12.5	< 13.0	13.0	< 12.3	12.3	< 12.5	12.5	< 12.3	12.3	< 12.5	12.5
2,4-Dinitrophenol	NE	39	< 2.30	2.30	< 2.39	2.39	< 12.7	12.7	< 12.4	12.4	< 12.7	12.7	< 12.5	12.5	< 13.0	13.0	< 12.3	12.3	< 12.5	12.5	< 13.0	13.0	< 12.3	12.3	< 12.5	12.5	< 12.3	12.3	< 12.5	12.5
2,6-Dinitrotoluene	NE	0.048	< 1.81	1.81	< 1.88	1.88	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
2,4-Dinitrotoluene	NE	0.024	< 3.11	3.11	< 3.23	3.23	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
Di-n-octyl phthalate	NE	200	< 2.16	2.16	< 2.24	2.24	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
1,2-Dichlorobenzene	600	300		NA		NA	< 4.90	4.90	< 4.76	4.76	< 4.90	4.90	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 5.00	5.00	< 4.72	4.72	< 4.81	4.81	< 4.72	4.72	< 4.81	4.81
Bis(2-ethylhexyl)phthalate	6	5.6	< 1.93	1.93	< 2.00	2.00	< 4.90</																							



**Table 12**  
**Summary of Groundwater Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8270D	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NWC0375-03 Tract 37 TW-1 (20-24) 02/29/2012			NWC0375-06 Tract 37 TW-2 (10-14) 02/29/2012			NWC0345-03 Tract 37 TW-3 (10-14) 03/01/2012			NWA4535-06 Tract 40 TW-1 (4-8) 01/26/2012			NWA4733-03 Tract 44 TW-1 (4-8) 01/27/2012			NVL1571-03 Tract 45 TW-1 (17-21) 12/09/2011			NVL1567-06 Tract 57 TW-1 (8-12) 12/09/2011			NWC0345-06 Tract 62 TW-1 (8-12) 03/01/2012			NUK1797-03 Tract 67 TW-1 (8-12) 11/11/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	NE	530	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	5.97	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
Acenaphthylene	NE	NE	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	< 0.952	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
Anthracene	NE	1800	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	< 0.952	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
Benzo (a) anthracene	NE	0.034	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	< 0.952	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
Benzo (a) pyrene	0.2	0.0034	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	< 0.952	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
Benzo (b) fluoranthene	NE	0.034	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	< 0.952	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
Benzo (g,h,i) perylene	NE	NE	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	< 0.952	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
Benzo (k) fluoranthene	NE	0.34	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	< 0.952	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
4-Bromophenyl phenyl ether	NE	NE	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Butyl benzyl phthalate	NE	16	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Carbazole	NE	NE	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
4-Chloro-3-methylphenol	NE	1400	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
4-Chloroaniline	NE	0.36	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Bis(2-chloroethoxy)methane	NE	59	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Bis(2-chloroethyl)ether	NE	0.014	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Bis(2-chloroisopropyl)ether	NE	0.36	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
2-Chloronaphthalene	NE	750	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
2-Chlorophenol	NE	91	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
4-Chlorophenyl phenyl ether	NE	NE	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Chrysene	NE	3.4	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	< 0.952	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
Dibenz (a,h) anthracene	NE	0.0034	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	< 0.952	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
Dibenzofuran	NE	7.9	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Di-n-butyl phthalate	NE	900	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
3,3-Dichlorobenzidine	NE	0.12	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
2,4-Dichlorophenol	NE	46	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Diethyl phthalate	NE	15000	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
2,4-Dimethylphenol	NE	360	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Dimethyl phthalate	NE	NE	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
4,6-Dinitro-2-methylphenol	NE	1.5	< 12.6	12.6	< 12.6	12.6	< 13.0	13.0	< 12.4	12.4	< 12.4	12.4	< 12.3	12.3	< 12.6	12.6	< 12.4	12.4	< 13.0	13.0									
2,4-Dinitrophenol	NE	39	< 12.6	12.6	< 12.6	12.6	< 13.0	13.0	< 12.4	12.4	< 12.4	12.4	< 12.3	12.3	< 12.6	12.6	< 12.4	12.4	< 13.0	13.0									
2,6-Dinitrotoluene	NE	0.048	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
2,4-Dinitrotoluene	NE	0.24	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Di-n-octyl phthalate	NE	200	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
1,2-Dichlorobenzene	600	300	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Bis(2-ethylhexyl)phthalate	6	5.6	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
1,3-Dichlorobenzene	NE	NE	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Fluoranthene	NE	800	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	1.91	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
1,4-Dichlorobenzene	75	0.48	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Fluorene	NE	290	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	3.26	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
Hexachlorobenzene	1	0.049	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Hexachlorobutadiene	NE	0.3	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Hexachlorocyclopentadiene	50	31	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Hexachloroethane	NE	0.9	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Indeno (1,2,3-cd) pyrene	NE	0.034	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	< 0.952	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
Isophorone	NE	78	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
2-Methylnaphthalene	NE	36	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	< 0.952	0.952	< 0.943	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
2-Methylphenol	NE	930	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
3/4-Methylphenol	NE	NE	< 4.85	4.85	< 4.85	4.85	< 5.00	5.00	< 4.76	4.76	< 4.76	4.76	< 4.72	4.72	< 4.85	4.85	< 4.76	4.76	< 5.00	5.00									
Naphthalene	NE	0.17	< 0.971	0.971	< 0.971	0.971	< 1.00	1.00	< 0.952	0.952	< 0.952	0.952	15.9	0.943	< 0.971	0.971	< 0.952	0.952	< 1.00	1.00									
3-Nitroaniline	NE	NE	< 12.6	12.6	< 12.6	12.6	< 13.0	13.0	< 12.4	12.4	< 12.4	12.4	< 12.3	12.3	< 12.6	12.6	< 12.4	12.4	< 13.0	13.0									
2-Nitroaniline	NE	190	< 12.6	12.6	< 12.6	12.6	< 13.0	13.0	< 12.4	12.4	< 12.4	12.4	< 12.3	12.3	< 12.6	12.6	< 12.4	12.4	< 13.0	13.0									
4-Nitroaniline	NE	3.8	< 12.6	12.6	< 12.6	12.6	< 13.0																						

**Table 12**  
**Summary of Groundwater Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Notes:   Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in micrograms per liter.

Blue text indicates exceedance of screening level.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58. The MCL, if listed, supercedes the TWSL.
2. Tap Water Screening Level listed in the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table January 2015.

\*NE\* indicates specific screening level not listed.

\*NA\* indicates specific parameter not analyzed.

\*J\* qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

\*L\* qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected. Data not impacted.

\*\*\* qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate exceeds the control limits.

\*B\* flag indicates the compound was detected in the blank and sample.

**Table 13**  
**Summary of Groundwater Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 6010C/7470A/7196A	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NWB3949-03 Tract 1 TW-1 (54-60) 02/28/2012			NWB3949-06 Tract 1 TW-2 (26-30) 02/28/2012			490-66802-2 Tract 4 TW-1 (8-12) 11/18/2014			490-66957-8 Tract 4 TW-2 (4-14) 11/20/2014			490-66957-5 Tract 4A TW-1 (8-12) 11/20/2014			490-66802-5 Tract 4B TW-1 (6-10) 11/19/2014		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	NE	20	2.15		0.0500	5.70		0.0500	123		0.0500	56.9		0.0500	0.657		0.0500	5.87		0.0500
Aluminum, Dissolved	NE	20	< 0.0500		0.0500	< 0.0500		0.0500	0.121		0.0500	< 0.0500		0.0500	< 0.0500		0.0500			NA
Antimony	0.006	0.0078	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Antimony, Dissolved	0.006	0.0078	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500			NA
Arsenic	0.01	0.000052	< 0.00500		0.00500	0.0146		0.00500	0.0598		0.00720	0.0141		0.00720	< 0.00720		0.00720	0.00820	J	0.00720
Arsenic, Dissolved	0.01	0.000052	0.00600		0.00500	< 0.00500		0.00500	0.0339		0.00720	< 0.00720		0.00720	< 0.00720		0.00720			NA
Barium	2	3.8	0.0115		0.00500	0.0508		0.00500	0.585		0.00500	0.118		0.00500	0.0355		0.00500	0.0205		0.00500
Barium, Dissolved	2	3.8	0.0109		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	0.00860	J	0.00500	0.0362		0.00500			NA
Beryllium	0.004	0.025	< 0.00200		0.00200	0.00200	J	0.00200	0.00630		0.00200	< 0.00200		0.00200	< 0.00200		0.00200	< 0.00200		0.00200
Beryllium, Dissolved	0.004	0.025	< 0.00200		0.00200	< 0.00200		0.00200	< 0.0200		0.0200	< 0.00200		0.00200	< 0.00200		0.00200			NA
Cadmium	0.005	0.0092	< 0.000600		0.000600	0.00110		0.000600	< 0.000500	L	0.000500	< 0.000500		0.000500	< 0.000500		0.000500	< 0.000500		0.000500
Cadmium, Dissolved	0.005	0.0092	< 0.000600		0.000600	< 0.000600		0.000600	< 0.00500		0.00500	< 0.000500		0.000500	< 0.000500		0.000500			NA
Calcium	NE	NE	100		0.500	96.8		0.500	487		0.500	92.8		0.500	13.4		0.500	87.8		0.500
Calcium, Dissolved	NE	NE	39.4		0.500	35.8		0.500	525		5.00	7.67		0.500	14.5		0.500			NA
Chromium	0.1	NE	0.0121		0.00250	0.0246		0.00250	0.248		0.00300	0.0822		0.00300	< 0.00300		0.00300	0.00610		0.00300
Chromium, Dissolved	0.1	NE	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00300		0.00300	< 0.00300		0.00300	< 0.00300		0.00300			NA
Cobalt	NE	0.006	< 0.0100		0.0100	< 0.0100		0.0100	0.0133		0.00500	0.00700	J	0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Cobalt, Dissolved	NE	0.006	< 0.0100		0.0100	< 0.0100		0.0100	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500			NA
Copper	1.3	0.8	0.00800	J	0.00500	0.00650	J	0.00500	0.00650	J	0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Copper, Dissolved	1.3	0.8	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500	0.0149		0.00500	< 0.00500		0.00500			NA
Iron	NE	14	5.65	B	0.0250	23.4	B	0.0250	117		0.0500	43.3		0.0500	1.37		0.0500	4.66		0.0500
Iron, Dissolved	NE	14	< 0.0250		0.0250	< 0.0250		0.0250	19.6		0.500	0.0960	J	0.0500	1.10		0.0500			NA
Lead	0.015	0.015	0.0120		0.00250	0.0276		0.00250	0.0611		0.00200	0.0552		0.00200	0.00320	J	0.00200	0.0109		0.00200
Lead, Dissolved	0.015	0.015	0.00460	J	0.00250	0.00320	J	0.00250	0.00790		0.00200	0.00360	J	0.00200	0.00300	J	0.00200			NA
Magnesium	NE	NE	23.1		0.500	29.4		0.500	8.62		0.500	15.7		0.500	4.60		0.500	3.77		0.500
Magnesium, Dissolved	NE	NE	24.2		0.500	7.98		0.500	5.56	J	5.00	3.67		0.500	4.83		0.500			NA
Manganese	NE	0.43	0.198		0.00750	0.934		0.00750	0.812		0.00500	0.351		0.00500	0.0360		0.00500	0.0736		0.00500
Manganese, Dissolved	NE	0.43	0.245		0.00750	0.0352		0.00750	0.716		0.00500	0.524		0.00500	0.0383		0.00500			NA
Nickel	NE	0.39	0.00790	J	0.00500	0.0190		0.00500	0.0768		0.00300	0.0128		0.00300	< 0.00300		0.00300	< 0.00300		0.00300
Nickel, Dissolved	NE	0.39	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00300		0.00300	< 0.00300		0.00300	< 0.00300		0.00300			NA
Potassium	NE	NE	9.10		0.500	22.4		0.500	10.8		0.500	5.25		0.500	2.79		0.500	4.73		0.500
Potassium, Dissolved	NE	NE	22.7		0.500	8.61		0.500	6.86	J	5.00	1.25		0.500	2.94		0.500			NA
Selenium	0.05	0.1	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Selenium, Dissolved	0.05	0.1	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500			NA
Silver	NE	0.094	< 0.00250		0.00250	< 0.00250		0.00250	0.00480	J	0.00250	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250
Silver, Dissolved	NE	0.094	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250			NA
Sodium	NE	NE	28.8		0.500	71.1		0.500	24.9		0.500	13.6		0.500	7.37		0.500	53.5		0.500
Sodium, Dissolved	NE	NE	73.6		0.500	27.2	B	0.500	24.1		5.00	4.26		0.500	7.81		0.500			NA
Thallium	0.002	0.0002	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Thallium, Dissolved	0.002	0.0002	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500			NA
Vanadium	NE	0.086	< 0.0100		0.0100	0.0191	J	0.0100	0.143		0.0100	0.0782		0.0100	< 0.0100		0.0100	0.0105	J	0.0100
Vanadium, Dissolved	NE	0.086	< 0.0100		0.0100	< 0.0100		0.0100	< 0.100		0.100	< 0.0100		0.0100	< 0.0100		0.0100			NA
Zinc	NE	6	0.138		0.0250	0.0789		0.0250	0.0782		0.0300	0.0495	J	0.0300	< 0.0300		0.0300	< 0.0300		0.0300
Zinc, Dissolved	NE	6	< 0.0250		0.0250	< 0.0250		0.0250	< 0.0300		0.0300	0.0813		0.0300	< 0.0300		0.0300			NA
Mercury	0.002	0.00063	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000150		0.000150	< 0.000150	H	0.000150	< 0.000150	H	0.000150	< 0.000150		0.000150
Mercury, Dissolved	0.002	0.00063	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000150		0.000150	< 0.000150		0.000150	< 0.000150		0.000150			NA
Chromium (VI)	NE	0.000035			NA			NA			NA			NA			NA			NA

**Table 13**  
**Summary of Groundwater Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 6010C/7470A/7196A	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	490-66957-2 Tract 4C TW-1 (3-13) 11/19/2014			490-37637-3 Tract 6 TW-1 (8-12) 10/10/2013			490-37637-6 Tract 6 TW-2 (54-58) 10/10/2013			NVL1567-03 Tract 22 TW-1 (16-20) 12/09/2011			NVL1390-03 Tract 24 TW-1 (4-8) 12/07/2011			NVL1390-06 Tract 24 TW-2 (3-7) 12/07/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	NE	20	10.2		0.0500	53.6		0.0680	116		0.680	79.0		0.500	159		0.0500	39.0		0.0500
Aluminum, Dissolved	NE	20	< 0.0500		0.0500	0.112	B	0.0680	< 0.0680		0.0680	< 0.0500		0.0500	< 0.0500		0.0500	< 0.500		0.500
Antimony	0.006	0.0078	< 0.00500		0.00500	< 0.00670		0.00670	< 0.00670		0.0670	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500
Antimony, Dissolved	0.006	0.0078	< 0.00500		0.00500	< 0.00670		0.00670	< 0.00670		0.00670	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500
Arsenic	0.01	0.000052	< 0.00720		0.00720	0.0271	B	0.00470	0.0800	J B	0.0470	0.204		0.0500	0.108		0.00500	0.0263		0.00500
Arsenic, Dissolved	0.01	0.000052	< 0.00720		0.00720	< 0.00470		0.00470	0.00510	J	0.00470	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500
Barium	2	3.8	0.0452		0.00500	0.185		0.000500	0.457		0.00500	0.329		0.0500	0.250		0.00500	0.170		0.00500
Barium, Dissolved	2	3.8	0.0122		0.00500	0.00290	J	0.000500	0.0487		0.000500	0.0366		0.00500	0.0132	B	0.00500	< 0.0500		0.0500
Beryllium	0.004	0.025	< 0.00200		0.00200	0.00210	J	0.000300	0.0110	J	0.00300	< 0.0200		0.0200	0.00400		0.00200	< 0.00200		0.00200
Beryllium, Dissolved	0.004	0.025	< 0.00200		0.00200	< 0.000300		0.000300	< 0.000300		0.000300	< 0.00200		0.00200	< 0.00200		0.00200	< 0.0200		0.0200
Cadmium	0.005	0.0092	< 0.000500		0.000500	0.00220		0.000200	0.0160		0.000200	0.0200		0.00600	< 0.000600		0.000600	< 0.000600		0.000600
Cadmium, Dissolved	0.005	0.0092	< 0.000500		0.000500	< 0.000200		0.000200	< 0.000200		0.000200	< 0.000600		0.000600	< 0.000600		0.000600	< 0.00600		0.00600
Calcium	NE	NE	44.6		0.500	32.7		0.150	698		1.50	656		5.00	77.8		0.500	174		0.500
Calcium, Dissolved	NE	NE	36.7		0.500	31.1		0.150	50.7		0.150	73.9	MHA	0.500	66.4		0.500	140		5.00
Chromium	0.1	NE	0.0250		0.00300	0.232		0.00120	0.508		0.0120	0.599		0.0250	0.588		0.00250	0.186		0.00250
Chromium, Dissolved	0.1	NE	< 0.00300		0.00300	< 0.00120		0.00120	< 0.00120		0.00120	< 0.00250		0.00250	< 0.00250		0.00250	< 0.0250		0.0250
Cobalt	NE	0.006	< 0.00500		0.00500	0.0102		0.000900	0.0490	J	0.00900	< 0.100		0.100	0.0164	J	0.0100	0.0118	J	0.0100
Cobalt, Dissolved	NE	0.006	< 0.00500		0.00500	< 0.000900		0.000900	< 0.000900		0.000900	< 0.0100		0.0100	< 0.0100		0.0100	< 0.100		0.100
Copper	1.3	0.8	< 0.00500		0.00500	< 0.00700		0.00700	0.114		0.0700	0.319		0.0500	0.0170		0.00500	0.0361		0.00500
Copper, Dissolved	1.3	0.8	< 0.00500		0.00500	< 0.00700		0.00700	< 0.00700		0.00700	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500
Iron	NE	14	12.5		0.0500	38.3	B	0.0100	188	B	0.100	315		0.250	143	B B1	0.0250	91.9	B B1	0.0250
Iron, Dissolved	NE	14	< 0.0500		0.0500	0.266		0.0100	< 0.0100		0.0100	0.170		0.0250	1.55		0.0250	< 0.250		0.250
Lead	0.015	0.015	0.0196		0.00200	0.0584		0.00350	0.161		0.0350	0.128		0.0250	0.0399		0.00250	0.444		0.00250
Lead, Dissolved	0.015	0.015	< 0.00200		0.00200	< 0.00350		0.00350	0.00490	J	0.00350	< 0.00250		0.00250	< 0.00250		0.00250	0.0440	J	0.0250
Magnesium	NE	NE	10.2		0.500	16.4		0.0530	62.2		0.530	44.4		5.00	13.9		0.500	6.88		0.500
Magnesium, Dissolved	NE	NE	8.37		0.500	12.7		0.0530	23.9		0.0530	8.00		0.500	7.97		0.500	5.13	J	5.00
Manganese	NE	0.43	0.313		0.00500	0.142		0.00200	1.52		0.0200	3.24		0.0750	0.295		0.00750	0.168		0.00750
Manganese, Dissolved	NE	0.43	0.127		0.00500	0.0563		0.00200	0.232		0.00200	0.0595		0.00750	0.120		0.00750	< 0.0750		0.0750
Nickel	NE	0.39	0.00720	J	0.00300	0.100		0.00130	0.198		0.0130	0.383		0.0500	0.286		0.00500	0.0951		0.00500
Nickel, Dissolved	NE	0.39	< 0.00300		0.00300	0.00400	J	0.00130	< 0.00130		0.00130	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500
Potassium	NE	NE	3.12		0.500	7.72	B	0.0880	30.4	B	0.880	18.1		5.00	13.2		0.500	6.04		0.500
Potassium, Dissolved	NE	NE	1.48		0.500	6.40		0.0880	19.7		0.0880	5.57		0.500	10.0		0.500	5.37	J	5.00
Selenium	0.05	0.1	< 0.00500		0.00500	< 0.00640		0.00640	< 0.0640		0.0640	< 0.0500		0.0500	0.00880	J	0.00500	< 0.00500		0.00500
Selenium, Dissolved	0.05	0.1	< 0.00500		0.00500	< 0.00640		0.00640	< 0.00640		0.00640	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500
Silver	NE	0.094	< 0.00250		0.00250	< 0.00130		0.00130	< 0.0130		0.0130	< 0.0250		0.0250	< 0.00250		0.00250	< 0.00250		0.00250
Silver, Dissolved	NE	0.094	< 0.00250		0.00250	< 0.00130		0.00130	< 0.00130		0.00130	< 0.00250		0.00250	< 0.00250		0.00250	< 0.0250		0.0250
Sodium	NE	NE	12.7		0.500	39.2		0.360	277		3.60	37.1	B B1	5.00	50.5		0.500	10.4		0.500
Sodium, Dissolved	NE	NE	11.3	B	0.500	40.0		0.360	211		0.360	24.7	MHA	0.500	50.6	B B1	0.500	12.4	B	5.00
Thallium	0.002	0.0002	< 0.00500		0.00500	< 0.00450		0.00450	< 0.0450		0.0450	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500
Thallium, Dissolved	0.002	0.0002	< 0.00500		0.00500	0.00490	J B	0.00450	< 0.00450		0.00450	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500
Vanadium	NE	0.086	0.0245		0.0100	0.0864		0.0150	0.250		0.150	0.260		0.100	0.303		0.0100	0.0842		0.0100
Vanadium, Dissolved	NE	0.086	< 0.0100		0.0100	< 0.0150		0.0150	< 0.0150		0.0150	< 0.0100		0.0100	< 0.0100		0.0100	< 0.100		0.100
Zinc	NE	6	< 0.0300		0.0300	0.0553		0.0100	0.554		0.100	5.48		0.250	0.0831		0.0250	0.352		0.0250
Zinc, Dissolved	NE	6	< 0.0300		0.0300	< 0.0100		0.0100	< 0.0100		0.0100	< 0.0250		0.0250	< 0.0250		0.0250	< 0.250		0.250
Mercury	0.002	0.00063	< 0.000150	H	0.000150	< 0.000150		0.000150	0.000441		0.000150	0.000145	J	0.000100	0.000894		0.000100	0.000228		0.000100
Mercury, Dissolved	0.002	0.00063	< 0.000150		0.000150	< 0.000150		0.000150	< 0.000150		0.000150	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000100		0.000100
Chromium (VI)	NE	0.000035	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA

**Table 13**  
**Summary of Groundwater Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 6010C/7470A/7196A	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NWA4535-03 Tract 26 TW-1 (26-30) 01/26/2012			NUK1792-06 Tract 28 TW-1 (40-44) 11/10/2011			490-37157-3 Tract 29 TW-1 (8-12) 10/07/2013			490-37270-3 Tract 29 TW-2 (24-28) 10/08/2013			490-37270-5 Tract 33 TW-1 (20-24) 10/08/2013			490-37411-3 Tract 33 TW-2 (20-24) 10/09/2013		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	NE	20	48.1		0.0500	122		0.250	26.0		0.0680	59.0		0.0680	32.7		0.0680	48.5	B	0.0680
Aluminum, Dissolved	NE	20	< 0.0500		0.0500	< 0.0500		0.0500	2.54		0.0680	0.0700	J	0.0680	0.0935	J	0.0680	0.0729	J	0.0680
Antimony	0.006	0.0078	< 0.00500		0.00500	< 0.0250		0.0250	0.00700	J	0.00670	< 0.00670		0.00670	< 0.00670		0.00670	< 0.00670		0.00670
Antimony, Dissolved	0.006	0.0078	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00670		0.00670	< 0.00670		0.00670	< 0.00670		0.00670	< 0.00670		0.00670
Arsenic	0.01	0.000052	0.0684		0.00500	0.220		0.0250	0.00790	J	0.00470	0.0725		0.00470	0.0290		0.00470	0.0774		0.00470
Arsenic, Dissolved	0.01	0.000052	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00470		0.00470	0.00580	J	0.00470	< 0.00470		0.00470	< 0.00470		0.00470
Barium	2	3.8	0.180		0.00500	0.656		0.0250	0.123	B	0.000500	0.122		0.000500	0.125		0.000500	0.197		0.000500
Barium, Dissolved	2	3.8	0.0321		0.00500	0.0443		0.00500	0.0788	B	0.000500	0.00920	J	0.000500	0.0312		0.000500	0.0842		0.000500
Beryllium	0.004	0.025	0.00610		0.00200	0.0140	J	0.0100	0.00510		0.000300	0.00540		0.000300	0.00440		0.000300	0.00460		0.000300
Beryllium, Dissolved	0.004	0.025	< 0.00200		0.00200	< 0.00200		0.00200	0.00450		0.000300	< 0.000300		0.000300	< 0.000300		0.000300	< 0.000300		0.000300
Cadmium	0.005	0.0092	0.000700	J	0.000600	0.0105		0.00300	< 0.000200		0.000200	0.00350		0.000200	0.00140		0.000200	0.00420		0.000200
Cadmium, Dissolved	0.005	0.0092	< 0.000600		0.000600	< 0.000600		0.000600	0.00150		0.000200	< 0.000200		0.000200	< 0.000200		0.000200	< 0.000200		0.000200
Calcium	NE	NE	695		5.00	508		2.50	24.9		0.150	325		0.150	128		0.150	435		0.150
Calcium, Dissolved	NE	NE	90.1		0.500	61.8		0.500	24.2		0.150	72.5		0.150	57.4		0.150	239		0.150
Chromium	0.1	NE	0.135		0.00250	1.32		0.0125	0.145		0.00120	0.226		0.00120	0.199		0.00120	0.226		0.00120
Chromium, Dissolved	0.1	NE	< 0.00250		0.00250	< 0.00250		0.00250	0.00520		0.00120	< 0.00120		0.00120	< 0.00120		0.00120	< 0.00120		0.00120
Cobalt	NE	0.006	0.0381		0.0100	0.0990	J	0.0500	0.0127		0.000900	0.0267		0.000900	0.0166		0.000900	0.0294		0.000900
Cobalt, Dissolved	NE	0.006	< 0.0100		0.0100	< 0.0100		0.0100	0.00900	J	0.000900	< 0.000900		0.000900	< 0.000900		0.000900	< 0.000900		0.000900
Copper	1.3	0.8	0.0164		0.00500	0.266		0.0250	< 0.00700		0.00700	0.0274		0.00700	0.0178		0.00700	0.0240		0.00700
Copper, Dissolved	1.3	0.8	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00700		0.00700	< 0.00700		0.00700	< 0.00700		0.00700	< 0.00700		0.00700
Iron	NE	14	131		0.0250	331		0.125	45.6	B	0.00560	125		0.0100	51.0		0.0100	88.1	B	0.0100
Iron, Dissolved	NE	14	0.0341	J	0.0250	< 0.0250		0.0250	34.0		0.00560	< 0.0100		0.0100	< 0.0100		0.0100	< 0.0100		0.0100
Lead	0.015	0.015	0.0187		0.00250	0.200		0.0125	0.0267		0.00350	0.0944		0.00350	0.0427		0.00350	0.0841		0.00350
Lead, Dissolved	0.015	0.015	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00350		0.00350	0.00720		0.00350	< 0.00350		0.00350	< 0.00350		0.00350
Magnesium	NE	NE	37.8		0.500	40.2		2.50	19.3		0.0530	38.4		0.0530	16.9		0.0530	35.1		0.0530
Magnesium, Dissolved	NE	NE	13.4		0.500	21.8		0.500	17.7	B	0.0530	16.1	B	0.0530	9.01	B	0.0530	27.1	B	0.0530
Manganese	NE	0.43	1.89		0.00750	2.84		0.0375	0.162		0.000300	1.35		0.00200	0.832		0.00200	0.938		0.00200
Manganese, Dissolved	NE	0.43	0.111		0.00750	0.261		0.00750	0.138		0.000300	0.0704		0.00200	0.133		0.00200	0.241		0.00200
Nickel	NE	0.39	0.0363		0.00500	0.388		0.0250	0.119		0.00130	0.0738		0.00130	0.0858		0.00130	0.105		0.00130
Nickel, Dissolved	NE	0.39	< 0.00500		0.00500	< 0.00500		0.00500	0.0521		0.00130	< 0.00130		0.00130	< 0.00130		0.00130	< 0.00130		0.00130
Potassium	NE	NE	14.7		0.500	22.6		2.50	2.74		0.0880	17.1	B	0.0880	7.88	B	0.0880	10.9	B	0.0880
Potassium, Dissolved	NE	NE	7.57	B	0.500	14.1		0.500	1.87	B	0.0880	8.74	B	0.0880	4.68	B	0.0880	5.96	B	0.0880
Selenium	0.05	0.1	0.00560	J	0.00500	0.0905		0.0250	< 0.00640		0.00640	< 0.00640		0.00640	< 0.00640		0.00640	< 0.00640		0.00640
Selenium, Dissolved	0.05	0.1	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00640		0.00640	< 0.00640		0.00640	< 0.00640		0.00640	0.00700	J	0.00640
Silver	NE	0.094	< 0.00250		0.00250	< 0.0125		0.0125	< 0.00130		0.00130	< 0.00130		0.00130	< 0.00130		0.00130	< 0.00130		0.00130
Silver, Dissolved	NE	0.094	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00130		0.00130	< 0.00130		0.00130	< 0.00130		0.00130	< 0.00130		0.00130
Sodium	NE	NE	44.2		0.500	128		2.50	45.3	B*	0.0210	51.7	B	0.360	37.2	B	0.360	294	B	0.360
Sodium, Dissolved	NE	NE	35.6		0.500	126		0.500	49.0	B	0.0210	58.8	B	0.360	39.7	B	0.360	368	B	0.360
Thallium	0.002	0.0002	< 0.00500		0.00500	< 0.0250		0.0250	< 0.00450		0.00450	< 0.00450		0.00450	< 0.00450		0.00450	< 0.00450	^	0.00450
Thallium, Dissolved	0.002	0.0002	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00450		0.00450	< 0.00450		0.00450	< 0.00450		0.00450	< 0.00450		0.00450
Vanadium	NE	0.086	0.173		0.0100	0.394		0.0500	0.0511		0.0150	0.215		0.0150	0.102		0.0150	0.153		0.0150
Vanadium, Dissolved	NE	0.086	< 0.0100		0.0100	< 0.0100		0.0100	< 0.0150		0.0150	< 0.0150		0.0150	< 0.0150		0.0150	< 0.0150		0.0150
Zinc	NE	6	0.181		0.0250	1.42		0.125	0.0477	J B*	0.000400	0.208		0.0100	0.118		0.0100	0.137		0.0100
Zinc, Dissolved	NE	6	< 0.0250		0.0250	< 0.0250		0.0250	0.0499	J B	0.000400	< 0.0100		0.0100	< 0.0100		0.0100	< 0.0100		0.0100
Mercury	0.002	0.00063	< 0.000100		0.000100	0.000919		0.000100	< 0.000150		0.000150	< 0.000150		0.000150	< 0.000150		0.000150	< 0.000150		0.000150
Mercury, Dissolved	0.002	0.00063	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000150		0.000150	< 0.000150		0.000150	< 0.000150		0.000150	< 0.000150		0.000150
Chromium (VI)	NE	0.000035	NA		NA	NA		NA	< 0.00300		0.00300	< 0.0300		0.0300	< 0.0300		0.0300	< 0.0300		0.0300

**Table 13**  
**Summary of Groundwater Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 6010C/7470A/7196A	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	490-37411-5 Tract 33 TW-3 (20-24) 10/09/2013			490-37639-3 Tract 33 TW-4 (14-18) 10/11/2013			NUK1675-03 Tract 35 TW-1 (40-44) 11/08/2011			NUK1675-06 Tract 35 TW-2 (26-30) 11/09/2011			NUK1675-08 Tract 35 TW-3 (1-5) 11/09/2011			NUK1792-01 Tract 35 TW-4 (16-20) 11/10/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
			Aluminum	NE	20	6.53	B	0.680	87.5		0.680	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500
Aluminum, Dissolved	NE	20	< 0.680		0.680	< 0.680		0.0680	< 0.500		0.500	< 0.500		0.500	< 0.500		0.500	< 0.0500		0.0500
Antimony	0.006	0.0078	< 0.0670		0.0670	< 0.0670		0.0670	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500	< 0.00500		0.00500
Antimony, Dissolved	0.006	0.0078	< 0.0670		0.0670	< 0.0670		0.0670	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500	< 0.00500		0.00500
Arsenic	0.01	0.000052	< 0.0470		0.0470	0.311	B	0.0470	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500	0.0597		0.00500
Arsenic, Dissolved	0.01	0.000052	< 0.0470		0.0470	< 0.0470		0.00470	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500	0.0132		0.00500
Barium	2	3.8	0.0510	J	0.00500	0.586		0.00500	< 0.0500		0.0500	0.0830	J	0.0500	0.379		0.0500	0.334		0.00500
Barium, Dissolved	2	3.8	0.0420	J	0.00500	0.0249		0.000500	< 0.0500		0.0500	0.0830	J	0.0500	0.379		0.0500	0.0930		0.00500
Beryllium	0.004	0.025	< 0.00300		0.00300	0.0330	J	0.00300	< 0.0200		0.0200	< 0.0200		0.0200	< 0.0200		0.0200	0.00520		0.00200
Beryllium, Dissolved	0.004	0.025	< 0.00300		0.00300	< 0.00300		0.000300	< 0.0200		0.0200	< 0.0200		0.0200	< 0.0200		0.0200	< 0.00200		0.00200
Cadmium	0.005	0.0092	0.00200	J	0.00200	0.0200		0.00200	< 0.00600		0.00600	< 0.00600		0.00600	< 0.00600		0.00600	0.00650		0.000600
Cadmium, Dissolved	0.005	0.0092	< 0.00200		0.00200	< 0.00200		0.000200	< 0.00600		0.00600	< 0.00600		0.00600	< 0.00600		0.00600	< 0.000600		0.000600
Calcium	NE	NE	182		1.50	41.5		1.50	153		5.00	239		5.00	460		5.00	485		0.500
Calcium, Dissolved	NE	NE	109		1.50	41.6		0.150	153		5.00	239		5.00	460		5.00	97.1		0.500
Chromium	0.1	NE	0.241		0.0120	1.40		0.0120	< 0.0250		0.0250	< 0.0250		0.0250	< 0.0250		0.0250	0.106		0.00250
Chromium, Dissolved	0.1	NE	< 0.0120		0.0120	0.667		0.00120	< 0.0250		0.0250	< 0.0250		0.0250	< 0.0250		0.0250	< 0.00250		0.00250
Cobalt	NE	0.006	< 0.00900		0.00900	0.117		0.00900	< 0.100		0.100	< 0.100		0.100	< 0.100		0.100	0.0360		0.0100
Cobalt, Dissolved	NE	0.006	< 0.00900		0.00900	0.00850	J	0.000900	< 0.100		0.100	< 0.100		0.100	< 0.100		0.100	< 0.0100		0.0100
Copper	1.3	0.8	< 0.0700		0.0700	< 0.0700		0.0700	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500	0.0967		0.00500
Copper, Dissolved	1.3	0.8	< 0.0700		0.0700	< 0.0700		0.0700	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500	< 0.00500		0.00500
Iron	NE	14	8.87	B	0.100	371	B	0.100	< 0.250		0.250	< 0.250		0.250	0.302	J	0.250	34.1		0.0250
Iron, Dissolved	NE	14	< 0.100		0.100	< 0.0100		0.0100	< 0.250		0.250	< 0.250		0.250	0.302	J	0.250	< 0.0250		0.0250
Lead	0.015	0.015	< 0.0350		0.0350	0.161		0.0350	< 0.0250		0.0250	< 0.0250		0.0250	< 0.0250		0.0250	0.110		0.00250
Lead, Dissolved	0.015	0.015	< 0.0350		0.0350	< 0.00350		0.00350	< 0.0250		0.0250	< 0.0250		0.0250	< 0.0250		0.0250	< 0.00250		0.00250
Magnesium	NE	NE	271		0.530	61.2		0.530	880		5.00	993		5.00	854		5.00	40.5		0.500
Magnesium, Dissolved	NE	NE	321	B	0.530	44.6		0.0530	880		5.00	993		5.00	854		5.00	39.3		0.500
Manganese	NE	0.43	0.199		0.0200	2.06		0.0200	0.428		0.0750	< 0.0750		0.0750	0.162		0.0750	1.59		0.00750
Manganese, Dissolved	NE	0.43	0.141	J	0.0200	0.427		0.00200	0.428		0.0750	< 0.0750		0.0750	0.162		0.0750	0.725		0.00750
Nickel	NE	0.39	0.149		0.0130	0.170		0.0130	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500	0.0604		0.00500
Nickel, Dissolved	NE	0.39	< 0.0130		0.0130	0.00440	J	0.00130	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500	< 0.00500		0.00500
Potassium	NE	NE	113	B	0.880	9.29	J B	0.880	223		5.00	266		5.00	259		5.00	8.78		0.500
Potassium, Dissolved	NE	NE	144	B	0.880	6.17		0.0880	223		5.00	266		5.00	259		5.00	8.79		0.500
Selenium	0.05	0.1	< 0.0640		0.0640	< 0.0640		0.0640	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500	< 0.00500		0.00500
Selenium, Dissolved	0.05	0.1	< 0.0640		0.0640	< 0.00640		0.00640	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500	< 0.00500		0.00500
Silver	NE	0.094	< 0.0130		0.0130	< 0.0130	L	0.0130	< 0.0250		0.0250	< 0.0250		0.0250	< 0.0250		0.0250	< 0.00250		0.00250
Silver, Dissolved	NE	0.094	< 0.0130		0.0130	< 0.00130		0.00130	< 0.0250		0.0250	< 0.0250		0.0250	< 0.0250		0.0250	< 0.00250		0.00250
Sodium	NE	NE	3130	B	3.60	50.2		3.60	6560	B1 B	50.0	7710	B1 B	50.0	6850	B1 B	50.0	349		0.500
Sodium, Dissolved	NE	NE	3730	B	3.60	51.8		0.360	6560	B1 B	50.0	7710	B1 B	50.0	6850	B1 B	50.0	479		0.500
Thallium	0.002	0.0002	< 0.0450		0.0450	< 0.0450		0.0450	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500	< 0.00500		0.00500
Thallium, Dissolved	0.002	0.0002	< 0.0450		0.0450	0.00610	J B	0.00450	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500	< 0.00500		0.00500
Vanadium	NE	0.086	< 0.150		0.150	0.513		0.150	< 0.100		0.100	0.138	J	0.100	< 0.100		0.100	0.128		0.0100
Vanadium, Dissolved	NE	0.086	< 0.150		0.150	< 0.0150		0.0150	< 0.100		0.100	0.138	J	0.100	< 0.100		0.100	< 0.0100		0.0100
Zinc	NE	6	0.103	J	0.100	0.497	J	0.100	< 0.250		0.250	< 0.250		0.250	< 0.250		0.250	0.331		0.0250
Zinc, Dissolved	NE	6	< 0.100		0.100	< 0.0100		0.0100	< 0.250		0.250	< 0.250	P7	0.250	< 0.250		0.250	< 0.0250		0.0250
Mercury	0.002	0.00063	< 0.000150		0.000150	< 0.000150		0.000150	0.000109	J	0.000100	0.000135	J	0.000100	< 0.000100		0.000100	0.000479		0.000100
Mercury, Dissolved	0.002	0.00063	< 0.000150		0.000150	< 0.000150		0.000150	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000100		0.000100
Chromium (VI)	NE	0.000035	< 0.00300		0.00300	< 0.300	H	0.300	NA		NA	NA		NA		NA	NA	NA		NA

**Table 13**  
**Summary of Groundwater Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 6010C/7470A/7196A	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NUK1792-04 Tract 35 TW-5 (0-10) 11/10/2011			NWC2604-03 Tract 35 TW-6 (16-20) 03/20/2012			NWC2754-03 Tract 35 TW-7 (20-24) 03/21/2012			NWC0375-03 Tract 37 TW-1 (20-24) 02/29/2012			NWC0375-06 Tract 37 TW-2 (10-14) 02/29/2012			NWC0345-03 Tract 37 TW-3 (10-14) 03/01/2012		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	NE	20	34.2		0.0500	2.34		0.0500	4.02		0.0500	4.87		0.0500	6.61		0.0500	41.9	MHA	0.0500
Aluminum, Dissolved	NE	20	< 0.0500		0.0500	< 0.0500		0.0500	< 0.500		0.500	< 0.0500		0.0500	< 0.0500		0.0500	< 0.0500		0.0500
Antimony	0.006	0.0078	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500	M8	0.00500
Antimony, Dissolved	0.006	0.0078	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Arsenic	0.01	0.000052	0.0535		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	0.00500	J	0.00500	0.101		0.00500	0.0197	M8	0.00500
Arsenic, Dissolved	0.01	0.000052	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Barium	2	3.8	0.198		0.00500	0.0616		0.00500	0.0749		0.00500	0.0908		0.00500	0.606		0.00500	0.316	M8	0.00500
Barium, Dissolved	2	3.8	0.0747		0.00500	0.0774		0.00500	0.0660	J	0.0500	0.0631		0.00500	0.475		0.00500	0.0210		0.00500
Beryllium	0.004	0.025	< 0.00200		0.00200	< 0.00200		0.00200	< 0.00200		0.00200	< 0.00200		0.00200	0.00380	J	0.00200	0.00480	M8	0.00200
Beryllium, Dissolved	0.004	0.025	< 0.00200		0.00200	< 0.00200		0.00200	< 0.0200		0.0200	< 0.00200		0.00200	< 0.00200		0.00200	< 0.00200		0.00200
Cadmium	0.005	0.0092	0.000800	J	0.000600	< 0.000600		0.000600	< 0.000600		0.000600	0.000900	J	0.000600	< 0.000600		0.000600	< 0.000600	M8	0.000600
Cadmium, Dissolved	0.005	0.0092	< 0.000600		0.000600	< 0.000600		0.000600	< 0.00600		0.00600	< 0.000600		0.000600	< 0.000600		0.000600	< 0.000600		0.000600
Calcium	NE	NE	87.8		0.500	238		0.500	236		0.500	134		0.500	368		0.500	40.1	MHA	0.500
Calcium, Dissolved	NE	NE	79.4		0.500	240		0.500	240		5.00	117		0.500	405		0.500	30.2		0.500
Chromium	0.1	NE	0.0699		0.00250	0.0120		0.00250	0.0817		0.00250	0.0769		0.00250	0.0428		0.00250	0.0741	M8	0.00250
Chromium, Dissolved	0.1	NE	< 0.00250		0.00250	< 0.00250		0.00250	< 0.0250		0.0250	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250
Cobalt	NE	0.006	< 0.0100		0.0100	< 0.0100		0.0100	< 0.0100		0.0100	< 0.0100		0.0100	0.0207		0.0100	0.0947		0.0100
Cobalt, Dissolved	NE	0.006	< 0.0100		0.0100	< 0.0100		0.0100	< 0.100		0.100	< 0.0100		0.0100	0.0114	J	0.0100	0.0313		0.0100
Copper	1.3	0.8	0.0128		0.00500	0.00770	J	0.00500	0.0232		0.00500	0.00930	J B	0.00500	0.00520	J B	0.00500	0.0110	B M8	0.00500
Copper, Dissolved	1.3	0.8	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Iron	NE	14	62.9		0.0250	6.27		0.0250	14.1	B	0.0250	7.48		0.0250	42.0		0.0250	61.1	MHA	0.0250
Iron, Dissolved	NE	14	< 0.0250		0.0250	< 0.0250		0.0250	0.293	J	0.250	< 0.0250		0.0250	< 0.0250		0.0250	0.0823	B	0.0250
Lead	0.015	0.015	0.0523		0.00250	0.00350	J	0.00250	0.00870		0.00250	< 0.00250		0.00250	< 0.00250		0.00250	0.0289		0.00250
Lead, Dissolved	0.015	0.015	< 0.00250		0.00250	< 0.00250		0.00250	< 0.0250		0.0250	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250
Magnesium	NE	NE	38.8		0.500	669		50.0	754		5.00	10.5		0.500	9.89		0.500	11.6	M8	0.500
Magnesium, Dissolved	NE	NE	37.0		0.500	596		5.00	704		5.00	10.3		0.500	10.7		0.500	5.20		0.500
Manganese	NE	0.43	0.935		0.00750	0.249		0.00750	0.608		0.00750	0.235		0.00750	1.02		0.00750	1.19	M8	0.00750
Manganese, Dissolved	NE	0.43	0.711		0.00750	0.208		0.00750	0.249		0.00750	0.150		0.00750	1.00		0.00750	0.707		0.00750
Nickel	NE	0.39	0.0144		0.00500	0.00600	J	0.00500	0.0527		0.00500	0.0360		0.00500	0.0270		0.00500	0.0314		0.00500
Nickel, Dissolved	NE	0.39	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Potassium	NE	NE	19.3		0.500	197		50.0	240		5.00	4.31		0.500	304		0.500	2.78	M8	0.500
Potassium, Dissolved	NE	NE	20.8		0.500	178		5.00	208		5.00	4.17		0.500	336		0.500	0.634		0.500
Selenium	0.05	0.1	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500	M8	0.00500
Selenium, Dissolved	0.05	0.1	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Silver	NE	0.094	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250	M8	0.00250
Silver, Dissolved	NE	0.094	< 0.00250		0.00250	< 0.00250		0.00250	< 0.0250		0.0250	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250
Sodium	NE	NE	269		0.500	5520		50.0	5860		50.0	74.4		0.500	342		0.500	66.4	MHA	0.500
Sodium, Dissolved	NE	NE	323		0.500	5080		5.00	6260		50.0	75.2		0.500	366		0.500	76.3		0.500
Thallium	0.002	0.0002	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500	M8	0.00500
Thallium, Dissolved	0.002	0.0002	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Vanadium	NE	0.086	0.0901		0.0100	< 0.0100		0.0100	0.0135	J	0.0100	0.0213		0.0100	0.0241		0.0100	0.140	M8	0.0100
Vanadium, Dissolved	NE	0.086	< 0.0100		0.0100	< 0.0100		0.0100	< 0.100		0.100	< 0.0100		0.0100	< 0.0100		0.0100	< 0.0100		0.0100
Zinc	NE	6	0.0656		0.0250	0.0569		0.0250	0.284		0.0250	0.0634		0.0250	0.0544		0.0250	0.0942	M8	0.0250
Zinc, Dissolved	NE	6	< 0.0250		0.0250	0.0436	J	0.0250	< 0.250		0.250	< 0.0250		0.0250	< 0.0250		0.0250	< 0.0250		0.0250
Mercury	0.002	0.00063	0.000209		0.000100	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000100		0.000100	0.000117	J	0.000100	0.000358		0.000100
Mercury, Dissolved	0.002	0.00063	< 0.000100		0.000100	< 0.000100	P7	0.000100	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000100		0.000100
Chromium (VI)	NE	0.000035	NA		NA	< 0.00500	HT3	0.00500	< 0.00500	HT3	0.00500	NA		NA	NA		NA	NA		NA

**Table 13**  
**Summary of Groundwater Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 6010C/7470A/7196A	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NWA4535-06 Tract 40 TW-1 (4-8) 01/26/2012			NWA4733-03 Tract 44 TW-1 (4-8) 01/27/2012			NVL1571-03 Tract 45 TW-1 (17-21) 12/09/2011			NVL1567-06 Tract 57 TW-1 (8-12) 12/09/2011			NWC0345-06 Tract 62 TW-1 (8-12) 03/01/2012			NUK1797-03 Tract 67 TW-1 (8-12) 11/11/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	NE	20	48.6		0.0500	15.6		0.0500	99.8		0.500	247		0.500	4.89		0.0500	4.08		0.0500
Aluminum, Dissolved	NE	20	< 0.500		0.500	46.1		0.0500	< 0.500		0.500	< 0.0500		0.0500	< 0.0500		0.0500	0.882		0.0500
Antimony	0.006	0.0078	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500
Antimony, Dissolved	0.006	0.0078	< 0.0500		0.0500	< 0.00500		0.00500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Arsenic	0.01	0.000052	0.0425		0.00500	0.0910		0.00500	0.169		0.0500	0.140		0.0500	0.0100		0.00500	< 0.00500		0.00500
Arsenic, Dissolved	0.01	0.000052	< 0.0500		0.0500	0.172		0.00500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Barium	2	3.8	0.701		0.00500	0.195		0.00500	0.514		0.0500	0.888		0.0500	0.0646		0.00500	0.0827		0.00500
Barium, Dissolved	2	3.8	< 0.0500		0.0500	0.597		0.00500	< 0.0500		0.0500	0.0121		0.00500	0.0381		0.00500	0.133		0.00500
Beryllium	0.004	0.025	0.0139		0.00200	0.00700		0.00200	< 0.0200		0.0200	< 0.0200		0.0200	< 0.00200		0.00200	< 0.00200		0.00200
Beryllium, Dissolved	0.004	0.025	< 0.0200		0.0200	0.00940		0.00200	< 0.0200		0.0200	< 0.00200		0.00200	< 0.00200		0.00200	< 0.00200		0.00200
Cadmium	0.005	0.0092	0.00140		0.000600	0.000900	J	0.000600	0.0350		0.00600	0.0240		0.00600	0.00100		0.000600	< 0.000600		0.000600
Cadmium, Dissolved	0.005	0.0092	< 0.00600		0.00600	< 0.000600		0.000600	< 0.00600		0.00600	< 0.000600		0.000600	0.000700	J	0.000600	< 0.000600		0.000600
Calcium	NE	NE	88.7		0.500	53.4		0.500	605		5.00	81.6		5.00	31.6		0.500	22.8		0.500
Calcium, Dissolved	NE	NE	13.7		5.00	51.0		0.500	64.0		5.00	10.9		0.500	30.5		0.500	25.9		0.500
Chromium	0.1	NE	0.0838		0.00250	0.0332		0.00250	0.345		0.0250	0.547		0.0250	0.0601		0.00250	0.00930		0.00250
Chromium, Dissolved	0.1	NE	< 0.0250		0.0250	0.197		0.00250	< 0.0250		0.0250	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250
Cobalt	NE	0.006	0.0439		0.0100	0.0243		0.0100	< 0.100		0.100	< 0.100		0.100	0.0161	J	0.0100	< 0.0100		0.0100
Cobalt, Dissolved	NE	0.006	< 0.100		0.100	0.0525		0.0100	< 0.100		0.100	< 0.0100		0.0100	< 0.0100		0.0100	< 0.0100		0.0100
Copper	1.3	0.8	0.0141		0.00500	0.0352		0.00500	0.0530	J	0.0500	0.176		0.0500	< 0.00500		0.00500	< 0.00500		0.00500
Copper, Dissolved	1.3	0.8	< 0.0500		0.0500	0.0500		0.00500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Iron	NE	14	72.8		0.0250	79.4		0.0250	217		0.250	310		0.250	13.7		0.0250	3.57		0.0250
Iron, Dissolved	NE	14	0.339	J	0.250	155		0.0250	< 0.250		0.250	0.741		0.0250	< 0.0250		0.0250	0.361		0.0250
Lead	0.015	0.015	0.0269		0.00250	0.00560		0.00250	0.132		0.0250	0.502		0.0250	< 0.00250		0.00250	0.00320	J	0.00250
Lead, Dissolved	0.015	0.015	< 0.0250		0.0250	0.0729		0.00250	< 0.0250		0.0250	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250
Magnesium	NE	NE	10.8		0.500	12.1		0.500	40.0		5.00	18.3		5.00	5.50		0.500	2.44		0.500
Magnesium, Dissolved	NE	NE	< 5.00		5.00	16.3		0.500	< 5.00		5.00	0.655	J	0.500	4.45		0.500	2.52		0.500
Manganese	NE	0.43	0.925		0.00750	1.14		0.00750	2.86		0.0750	0.839		0.0750	0.309		0.00750	0.0323		0.00750
Manganese, Dissolved	NE	0.43	0.137	J	0.0750	1.28		0.00750	0.0920	J	0.0750	0.0560		0.00750	0.250		0.00750	0.0319		0.00750
Nickel	NE	0.39	0.0459		0.00500	0.0491		0.00500	0.141		0.0500	0.0900	J	0.0500	0.0429		0.00500	0.00740	J	0.00500
Nickel, Dissolved	NE	0.39	< 0.0500		0.0500	0.157		0.00500	< 0.0500		0.0500	< 0.00500		0.00500	0.0110		0.00500	< 0.00500		0.00500
Potassium	NE	NE	4.67		0.500	5.22		0.500	16.4		5.00	10.2		5.00	4.50		0.500	5.32		0.500
Potassium, Dissolved	NE	NE	< 5.00		5.00	7.65		0.500	< 5.00		5.00	1.22		0.500	4.10		0.500	5.69		0.500
Selenium	0.05	0.1	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500
Selenium, Dissolved	0.05	0.1	< 0.0500		0.0500	0.00590	J	0.00500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Silver	NE	0.094	< 0.00250		0.00250	< 0.00250		0.00250	< 0.0250		0.0250	< 0.0250		0.0250	< 0.00250		0.00250	< 0.00250		0.00250
Silver, Dissolved	NE	0.094	< 0.0250		0.0250	< 0.00250		0.00250	< 0.0250		0.0250	< 0.00250		0.00250	< 0.00250		0.00250	< 0.00250		0.00250
Sodium	NE	NE	6.51		0.500	14.7		0.500	27.2	B B1	5.00	6.07	J B	5.00	11.3		0.500	8.35		0.500
Sodium, Dissolved	NE	NE	9.08	J	5.00	27.5		0.500	20.8		5.00	4.31		0.500	11.2		0.500	8.60		0.500
Thallium	0.002	0.0002	< 0.00500		0.00500	< 0.00500		0.00500	< 0.0500		0.0500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500
Thallium, Dissolved	0.002	0.0002	< 0.0500		0.0500	< 0.00500		0.00500	< 0.0500		0.0500	< 0.00500		0.00500	< 0.00500		0.00500	< 0.00500		0.00500
Vanadium	NE	0.086	0.119		0.0100	0.0515		0.0100	0.296		0.100	0.566		0.100	0.0276		0.0100	0.0102	J	0.0100
Vanadium, Dissolved	NE	0.086	< 0.100		0.100	0.160		0.0100	< 0.100		0.100	< 0.0100		0.0100	< 0.0100		0.0100	< 0.0100		0.0100
Zinc	NE	6	0.196		0.0250	0.548		0.0250	0.467	J	0.250	1.31		0.250	0.311		0.0250	0.0675		0.0250
Zinc, Dissolved	NE	6	< 0.250		0.250	0.755		0.0250	< 0.250		0.250	0.0336		0.0250	0.243		0.0250	0.0797		0.0250
Mercury	0.002	0.00063	< 0.000100		0.000100	0.000179	J B	0.000100	< 0.000100		0.000100	0.000802		0.000100	< 0.000100		0.000100	< 0.000100		0.000100
Mercury, Dissolved	0.002	0.00063	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000100		0.000100	< 0.000100		0.000100
Chromium (VI)	NE	0.000035	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA



**Table 13**  
**Summary of Groundwater Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in milligrams per liter.

Blue text indicates exceedance of screening level.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58. The MCL, if listed, supercedes the TWSL.
2. Tap Water Screening Level listed in the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table January 2015.

"NE" indicates specific screening level not listed.

"NA" indicates specific parameter not analyzed.

"J" qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

"L" qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected. Data not impacted.

"\*\*" qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate exceeds the control limits.

"MHA" qualifier indicates the Matrix Spike/Matrix Spike Duplicate calculation does not provide useful spike recovery information due to high levels of analyte in the sample.

"P7" qualifier indicates the sample was filtered by the laboratory.

"M8" qualifier indicates the Matrix Spike and/or Matrix Spike Duplicate were below the acceptance limits.

"B" qualifier indicates the compound was detected in the blank and sample.

"HT3" indicates the sample was received with insufficient holding time remaining for analysis to be performed within the method's holding time requirements.

"B1" qualifier indicates parameter was detected in the associated Method Blank and the parameter concentration in the sample is greater than 10 times the concentration found in the Method Blank.

"H" qualifier indicates sample was prepped or analyzed beyond the specified holding time.

"^" instrument related QC exceeds the control limits.

**Table 14**  
**Summary of Groundwater Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8082A	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	490-66802-2 Tract 4 TW-1 (8-12) 11/18/2014			490-66957-8 Tract 4 TW-2 (4-14) 11/20/2014			490-66957-5 Tract 4A TW-1 (8-12) 11/20/2014			490-66802-5 Tract 4B TW-1 (6-10) 11/19/2014			490-66957-2 Tract 4C TW-1 (3-13) 11/19/2014			490-37637-3 Tract 6 TW-1 (8-12) 10/10/2013			490-37637-6 Tract 6 TW-2 (54-58) 10/10/2013		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	0.5	1.1	< 0.0471	0.0471	< 0.0510	0.0510	< 0.0467	0.0467	< 0.0490	0.0490	< 0.0516	0.0516	< 0.0467	0.0467	< 0.0462	0.0462							
PCB-1221	0.5	0.0046	< 0.250	0.250	< 0.271	0.271	< 0.248	0.248	< 0.260	0.260	< 0.274	0.274	< 0.248	0.248	< 0.245	0.245							
PCB-1232	0.5	0.0046	< 0.0673	0.0673	< 0.0729	0.0729	< 0.0667	0.0667	< 0.0700	0.0700	< 0.0737	0.0737	< 0.0667	0.0667	< 0.0660	0.0660							
PCB-1242	0.5	0.039	< 0.0615	0.0615	< 0.0667	0.0667	< 0.0610	0.0610	< 0.0640	0.0640	< 0.0674	0.0674	< 0.0610	0.0610	< 0.0604	0.0604							
PCB-1248	0.5	0.039	< 0.0663	0.0663	< 0.0719	0.0719	< 0.0657	0.0657	< 0.0690	0.0690	< 0.0726	0.0726	< 0.0657	0.0657	< 0.0651	0.0651							
PCB-1254	0.5	0.039	< 0.00673	0.00673	< 0.00729	0.00729	< 0.00667	0.00667	< 0.00700	0.00700	< 0.00737	0.00737	< 0.00667	0.00667	< 0.00660	0.00660							
PCB-1260	0.5	0.039	< 0.0115	0.0115	< 0.0125	0.0125	< 0.0114	0.0114	< 0.0120	0.0120	< 0.0126	0.0126	< 0.0114	0.0114	< 0.0113	0.0113							

**Table 14**  
**Summary of Groundwater Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8082A	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NVL1390-03-RE1 Tract 24 TW-1 (4-8) 12/07/2011			NVL1390-06-RE1 Tract 24 TW-2 (3-7) 12/07/2011			NWA4535-03 Tract 26 TW-1 (26-30) 01/26/2012			NUK1792-06 Tract 28 TW-1 (40-44) 11/10/2011			490-37157-3 Tract 29 TW-1 (8-12) 10/07/2013			490-37270-3 Tract 29 TW-2 (24-28) 10/08/2013		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	0.5	1.1	< 0.238	0.238	< 0.236	0.236	< 0.238	0.238	< 0.248	0.248	< 0.0476	0.0476	< 0.0462	0.0462						
PCB-1221	0.5	0.0046	< 0.238	0.238	< 0.236	0.236	< 0.238	0.238	< 0.248	0.248	< 0.252	0.252	< 0.245	0.245						
PCB-1232	0.5	0.0046	< 0.238	0.238	< 0.236	0.236	< 0.238	0.238	< 0.248	0.248	< 0.0680	0.0680	< 0.0660	0.0660						
PCB-1242	0.5	0.039	< 0.238	0.238	< 0.236	0.236	< 0.238	0.238	< 0.248	0.248	< 0.0621	0.0621	< 0.0604	0.0604						
PCB-1248	0.5	0.039	< 0.238	0.238	2.72	0.236	< 0.238	0.238	< 0.248	0.248	< 0.0670	0.0670	< 0.0651	0.0651						
PCB-1254	0.5	0.039	< 0.238	0.238	< 0.236	0.236	< 0.238	0.238	< 0.248	0.248	< 0.00680	0.00680	< 0.00660	0.00660						
PCB-1260	0.5	0.039	< 0.238	0.238	1.78	0.236	< 0.238	0.238	< 0.248	0.248	< 0.0117	0.0117	< 0.0113	0.0113						

**Table 14**  
**Summary of Groundwater Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8082A	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	490-37270-5 Tract 33 TW-1 (20-24) 10/08/2013			490-37411-3 Tract 33 TW-2 (20-24) 10/09/2013			490-37411-5 Tract 33 TW-3 (20-24) 10/09/2013			490-37639-3 Tract 33 TW-4 (14-18) 10/11/2013			NUK1675-03 Tract 35 TW-1 (40-44) 11/08/2011			NUK1675-06 Tract 35 TW-2 (26-30) 11/09/2011			NUK1675-08 Tract 35 TW-3 (1-5) 11/09/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	0.5	1.1	< 0.0462	0.0462	< 0.0467	0.0467	< 0.0516	0.0516	< 0.0462	0.0462	< 0.240	0.240	< 0.240	0.240	< 0.238	QSU	0.238						
PCB-1221	0.5	0.0046	< 0.245	0.245	< 0.248	0.248	< 0.274	0.274	< 0.245	0.245	< 0.240	0.240	< 0.240	0.240	< 0.238	QSU	0.238						
PCB-1232	0.5	0.0046	< 0.0660	0.0660	< 0.0667	0.0667	< 0.0737	0.0737	< 0.0660	0.0660	< 0.240	0.240	< 0.240	0.240	< 0.238	QSU	0.238						
PCB-1242	0.5	0.039	< 0.0604	0.0604	< 0.0610	0.0610	< 0.0674	0.0674	< 0.0604	0.0604	< 0.240	0.240	< 0.240	0.240	< 0.238	QSU	0.238						
PCB-1248	0.5	0.039	< 0.0651	0.0651	< 0.0657	0.0657	< 0.0726	0.0726	< 0.0651	0.0651	< 0.240	0.240	< 0.240	0.240	< 0.238	QSU	0.238						
PCB-1254	0.5	0.039	< 0.00660	0.00660	< 0.00667	0.00667	< 0.00737	0.00737	< 0.00660	0.00660	< 0.240	0.240	< 0.240	0.240	< 0.238	QSU	0.238						
PCB-1260	0.5	0.039	< 0.0113	0.0113	< 0.0114	0.0114	< 0.0126	0.0126	< 0.0113	0.0113	< 0.240	0.240	< 0.240	0.240	< 0.238	QSU	0.238						

**Table 14**  
**Summary of Groundwater Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8082A	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NUK1792-01 Tract 35 TW-4 (16-20) 11/10/2011			NUK1792-04 Tract 35 TW-5 (0-10) 11/10/2011			NWC2604-03 Tract 35 TW-6 (16-20) 03/20/2012			NWC3065-01 Tract 35 TW-7 (20-24) 03/21/2012			NWA4535-06 Tract 40 TW-1 (4-8) 01/26/2012			NWA4733-03 Tract 44 TW-1 (4-8) 01/27/2012		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	0.5	1.1	< 0.240	0.240	< 0.240	0.240	< 0.243	0.243	< 0.243	0.243	< 0.236	0.236	< 0.250	0.250						
PCB-1221	0.5	0.0046	< 0.240	0.240	< 0.240	0.240	< 0.243	0.243	< 0.243	0.243	< 0.236	0.236	< 0.250	0.250						
PCB-1232	0.5	0.0046	< 0.240	0.240	< 0.240	0.240	< 0.243	0.243	< 0.243	0.243	< 0.236	0.236	< 0.250	0.250						
PCB-1242	0.5	0.039	< 0.240	0.240	< 0.240	0.240	< 0.243	0.243	< 0.243	0.243	< 0.236	0.236	< 0.250	0.250						
PCB-1248	0.5	0.039	< 0.240	0.240	< 0.240	0.240	< 0.243	0.243	< 0.243	0.243	< 0.236	0.236	< 0.250	0.250						
PCB-1254	0.5	0.039	< 0.240	0.240	< 0.240	0.240	< 0.243	0.243	< 0.243	0.243	< 0.236	0.236	< 0.250	0.250						
PCB-1260	0.5	0.039	< 0.240	0.240	< 0.240	0.240	< 0.243	0.243	< 0.243	0.243	< 0.236	0.236	< 0.250	0.250						

**Table 14**  
**Summary of Groundwater Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in micrograms per liter.

Blue text indicates exceedance of screening level.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58. The listed MCL is for Total PCBs. The MCL, if listed, supercedes the TWSL.
2. Tap Water Screening Level listed in the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table January 2015.

"NE" indicates specific screening level not listed.

"QSU" indicates sulfur (EPA 3660) clean-up performed on extract.

**Table 15**  
**Summary of Groundwater Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8081B	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	490-66802-2 Tract 4 TW-1 (8-12) 11/18/2014			490-66957-8 Tract 4 TW-2 (4-14) 11/20/2014			490-66957-5 Tract 4A TW-1 (8-12) 11/20/2014			490-66802-5 Tract 4B TW-1 (6-10) 11/19/2014			490-66957-2 Tract 4C TW-1 (3-13) 11/19/2014			490-37637-3 Tract 6 TW-1 (8-12) 10/10/2013			490-37637-6 Tract 6 TW-2 (54-58) 10/10/2013		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	NE	0.0046	< 0.00567	0.00567	< 0.00615	0.00615	< 0.00562	0.00562	< 0.0590	0.0590	< 0.00621	0.00621	< 0.0562	0.0562	< 0.0562	0.0562	< 0.0562	0.0562	< 0.0562	0.0562	< 0.0562	0.0562	
delta-BHC	NE	NE	< 0.0107	0.0107	< 0.0116	0.0116	< 0.0106	0.0106	< 0.111	0.111	< 0.0117	0.0117	< 0.106	0.106	< 0.106	0.106	< 0.106	0.106	< 0.106	0.106	< 0.106	0.106	
alpha-BHC	NE	0.0071	< 0.00673	0.00673	< 0.00729	0.00729	< 0.00667	0.00667	< 0.0700	0.0700	< 0.00737	0.00737	< 0.0667	0.0667	< 0.0667	0.0667	< 0.0667	0.0667	< 0.0667	0.0667	< 0.0667	0.0667	
beta-BHC	NE	0.025	< 0.00740	0.00740	< 0.00802	0.00802	< 0.00733	0.00733	< 0.0770	0.0770	< 0.00811	0.00811	< 0.0733	0.0733	< 0.0733	0.0733	< 0.0733	0.0733	< 0.0733	0.0733	< 0.0733	0.0733	
gamma-BHC (Lindane)	0.2	0.041	< 0.00548	0.00548	< 0.00594	0.00594	< 0.00543	0.00543	< 0.0570	0.0570	< 0.00600	0.00600	< 0.0543	0.0543	< 0.0543	0.0543	< 0.0543	0.0543	< 0.0543	0.0543	< 0.0543	0.0543	
alpha-Chlordane	NE	NE	< 0.00510	0.00510	< 0.00552	0.00552	< 0.00505	0.00505	< 0.0530	0.0530	< 0.00558	0.00558	< 0.0505	0.0505	< 0.0505	0.0505	< 0.0505	0.0505	< 0.0505	0.0505	< 0.0505	0.0505	
gamma-Chlordane	NE	NE	< 0.0173	0.0173	< 0.0188	0.0188	< 0.0171	0.0171	0.588	0.180	< 0.0189	0.0189	< 0.171	0.171	< 0.171	0.171	< 0.171	0.171	< 0.171	0.171	< 0.171	0.171	
Chlordane	2	0.22	< 0.176	0.176	< 0.191	0.191	< 0.174	0.174	< 1.83	1.83	< 0.193	0.193	< 1.74	1.74	< 1.74	1.74	< 1.74	1.74	< 1.74	1.74	< 1.74	1.74	
4,4'-DDD	NE	0.031	< 0.00740	0.00740	< 0.00802	0.00802	< 0.00733	0.00733	< 0.0770	0.0770	< 0.00811	0.00811	< 0.0733	0.0733	< 0.0733	0.0733	< 0.0733	0.0733	< 0.0733	0.0733	< 0.0733	0.0733	
4,4'-DDE	NE	0.23	< 0.00952	0.00952	< 0.0103	0.0103	< 0.00943	0.00943	< 0.0990	0.0990	< 0.0104	0.0104	< 0.0943	0.0943	< 0.0943	0.0943	< 0.0943	0.0943	< 0.0943	0.0943	< 0.0943	0.0943	
4,4'-DDT	NE	0.23	< 0.00856	0.00856	< 0.00927	0.00927	< 0.00848	0.00848	< 0.0890	0.0890	< 0.00937	0.00937	< 0.0848	0.0848	< 0.0848	0.0848	< 0.0848	0.0848	< 0.0848	0.0848	< 0.0848	0.0848	
Dieldrin	NE	0.0017	< 0.00548	0.00548	< 0.00594	0.00594	< 0.00543	0.00543	< 0.0570	0.0570	< 0.00600	0.00600	< 0.0543	0.0543	< 0.0543	0.0543	< 0.0543	0.0543	< 0.0543	0.0543	< 0.0543	0.0543	
Endosulfan I	NE	NE	< 0.00750	0.00750	< 0.00813	0.00813	< 0.00743	0.00743	< 0.0780	0.0780	< 0.00821	0.00821	< 0.0743	0.0743	< 0.0743	0.0743	< 0.0743	0.0743	< 0.0743	0.0743	< 0.0743	0.0743	
Endosulfan II	NE	NE	< 0.00519	0.00519	< 0.00563	0.00563	< 0.00514	0.00514	< 0.0540	0.0540	< 0.00568	0.00568	< 0.0514	0.0514	< 0.0514	0.0514	< 0.0514	0.0514	< 0.0514	0.0514	< 0.0514	0.0514	
Endosulfan sulfate	NE	NE	< 0.00625	0.00625	< 0.00677	0.00677	< 0.00619	0.00619	< 0.0650	0.0650	< 0.00684	0.00684	< 0.0619	0.0619	< 0.0619	0.0619	< 0.0619	0.0619	< 0.0619	0.0619	< 0.0619	0.0619	
Endrin	2	2.3	< 0.00635	0.00635	< 0.00688	0.00688	< 0.00629	0.00629	< 0.0660	0.0660	< 0.00695	0.00695	< 0.0629	0.0629	< 0.0629	0.0629	< 0.0629	0.0629	< 0.0629	0.0629	< 0.0629	0.0629	
Endrin aldehyde	NE	NE	< 0.00837	* 0.00837	< 0.00906	0.00906	< 0.00829	0.00829	< 0.0870	0.0870	< 0.00916	0.00916	< 0.0829	0.0829	< 0.0829	0.0829	< 0.0829	0.0829	< 0.0829	0.0829	< 0.0829	0.0829	
Endrin ketone	NE	NE	< 0.00625	0.00625	< 0.00677	0.00677	< 0.00619	0.00619	< 0.0650	0.0650	< 0.00684	0.00684	< 0.0619	0.0619	< 0.0619	0.0619	< 0.0619	0.0619	< 0.0619	0.0619	< 0.0619	0.0619	
Heptachlor	0.4	0.002	< 0.00548	0.00548	< 0.00594	0.00594	< 0.00543	0.00543	< 0.0570	0.0570	< 0.00600	0.00600	< 0.0543	0.0543	< 0.0543	0.0543	< 0.0543	0.0543	< 0.0543	0.0543	< 0.0543	0.0543	
Heptachlor epoxide	0.2	0.0038	< 0.00673	0.00673	< 0.00729	0.00729	< 0.00667	0.00667	< 0.0700	0.0700	< 0.00737	0.00737	< 0.0667	0.0667	< 0.0667	0.0667	< 0.0667	0.0667	< 0.0667	0.0667	< 0.0667	0.0667	
Methoxychlor	40	37	< 0.00510	0.00510	< 0.00552	0.00552	< 0.00505	0.00505	< 0.0530	0.0530	< 0.00558	0.00558	< 0.0505	0.0505	< 0.0505	0.0505	< 0.0505	0.0505	< 0.0505	0.0505	< 0.0505	0.0505	
Toxaphene	3	0.015	< 0.0397	0.0397	< 0.0430	0.0430	< 0.0393	0.0393	< 0.413	0.413	< 0.0435	0.0435	< 0.393	0.393	< 0.393	0.393	< 0.393	0.393	< 0.393	0.393	< 0.393	0.393	

**Table 15**  
**Summary of Groundwater Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8081B	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NWA4535-03 Tract 26 TW-1 (26-30) 01/26/2012			NUK1792-06 Tract 28 TW-1 (40-44) 11/10/2011			490-37157-3 Tract 29 TW-1 (8-12) 10/07/2013			490-37270-3 Tract 29 TW-2 (24-28) 10/08/2013			490-37270-5 Tract 33 TW-1 (20-24) 10/08/2013			490-37411-3 Tract 33 TW-2 (20-24) 10/09/2013		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	NE	0.0046	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00567	0.00567	< 0.00562	0.00562	< 0.00562	0.00562	< 0.00562	0.00562	< 0.00567	0.00567				
delta-BHC	NE	NE	< 0.0123	0.0123	< 0.0127	0.0127	< 0.0107	0.0107	< 0.0106	0.0106	< 0.0106	0.0106	< 0.0106	0.0106	< 0.0107	0.0107				
alpha-BHC	NE	0.0071	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00673	0.00673	< 0.00667	0.00667	< 0.00667	0.00667	< 0.00667	0.00667	< 0.00673	0.00673				
beta-BHC	NE	0.025	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00740	0.00740	< 0.00733	0.00733	< 0.00733	0.00733	< 0.00733	0.00733	< 0.00740	0.00740				
gamma-BHC (Lindane)	0.2	0.041	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00548	0.00548	< 0.00543	0.00543	< 0.00543	0.00543	< 0.00543	0.00543	< 0.00548	0.00548				
alpha-Chlordane	NE	NE	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00510	0.00510	< 0.00505	0.00505	< 0.00505	0.00505	< 0.00505	0.00505	< 0.00510	0.00510				
gamma-Chlordane	NE	NE	< 0.0123	0.0123	< 0.0127	0.0127	< 0.0173	0.0173	< 0.0171	0.0171	< 0.0171	0.0171	< 0.0171	0.0171	< 0.0173	0.0173				
Chlordane	2	0.22	< 0.943	0.943	< 0.980	0.980	< 0.176	0.176	< 0.174	0.174	< 0.174	0.174	< 0.174	0.174	< 0.176	0.176				
4,4'-DDD	NE	0.031	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00740	0.00740	< 0.00733	0.00733	< 0.00733	0.00733	< 0.00733	0.00733	< 0.00740	0.00740				
4,4'-DDE	NE	0.23	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00952	0.00952	< 0.00943	0.00943	< 0.00943	0.00943	< 0.00943	0.00943	< 0.00952	0.00952				
4,4'-DDT	NE	0.23	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00856	0.00856	< 0.00848	0.00848	< 0.00848	0.00848	< 0.00848	0.00848	< 0.00856	0.00856				
Dieldrin	NE	0.0017	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00548	0.00548	< 0.00543	0.00543	< 0.00543	0.00543	< 0.00543	0.00543	< 0.00548	0.00548				
Endosulfan I	NE	NE	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00750	0.00750	< 0.00743	0.00743	< 0.00743	0.00743	< 0.00743	0.00743	< 0.00750	0.00750				
Endosulfan II	NE	NE	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00519	0.00519	< 0.00514	0.00514	< 0.00514	0.00514	< 0.00514	0.00514	< 0.00519	0.00519				
Endosulfan sulfate	NE	NE	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00625	0.00625	< 0.00619	0.00619	< 0.00619	0.00619	< 0.00619	0.00619	< 0.00625	0.00625				
Endrin	2	2.3	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00635	0.00635	< 0.00629	0.00629	< 0.00629	0.00629	< 0.00629	0.00629	< 0.00635	0.00635				
Endrin aldehyde	NE	NE	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00837	0.00837	< 0.00829	0.00829	< 0.00829	0.00829	< 0.00829	0.00829	< 0.00837	0.00837				
Endrin ketone	NE	NE	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00625	0.00625	< 0.00619	0.00619	< 0.00619	0.00619	< 0.00619	0.00619	< 0.00625	0.00625				
Heptachlor	0.4	0.002	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00548	0.00548	< 0.00543	0.00543	< 0.00543	0.00543	< 0.00543	0.00543	< 0.00548	0.00548				
Heptachlor epoxide	0.2	0.0038	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00673	0.00673	< 0.00667	0.00667	< 0.00667	0.00667	< 0.00667	0.00667	< 0.00673	0.00673				
Methoxychlor	40	37	< 0.0123	0.0123	< 0.0127	0.0127	< 0.00510	0.00510	< 0.00505	0.00505	< 0.00505	0.00505	< 0.00505	0.00505	< 0.00510	0.00510				
Toxaphene	3	0.015	< 0.943	0.943	< 0.980	0.980	< 0.0397	0.0397	< 0.0393	0.0393	< 0.0393	0.0393	< 0.0393	0.0393	< 0.0397	0.0397				



**Table 15**  
**Summary of Groundwater Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8081B	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	490-37411-5 Tract 33 TW-3 (20-24) 10/09/2013			490-37639-3 Tract 33 TW-4 (14-18) 10/11/2013			NUK1675-03 Tract 35 TW-1 (40-44) 11/08/2011			NUK1675-06-RE1 Tract 35 TW-2 (26-30) 11/09/2011			NUK1675-08-RE1 Tract 35 TW-3 (1-5) 11/09/2011			NUK1792-01 Tract 35 TW-4 (16-20) 11/10/2011		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	NE	0.0046	< 0.567	0.567	< 0.00562	0.00562	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
delta-BHC	NE	NE	< 1.07	1.07	< 0.0106	0.0106	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
alpha-BHC	NE	0.0071	< 0.673	0.673	< 0.00667	0.00667	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
beta-BHC	NE	0.025	< 0.740	0.740	< 0.00733	0.00733	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
gamma-BHC (Lindane)	0.2	0.041	< 0.548	0.548	< 0.00543	0.00543	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
alpha-Chlordane	NE	NE	< 0.510	0.510	< 0.00505	0.00505	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
gamma-Chlordane	NE	NE	< 1.73	1.73	< 0.0171	0.0171	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
Chlordane	2	0.22	< 17.6	17.6	< 0.174	0.174	< 0.952	0.952	< 19.0	RL1	19.0	< 19.0	RL1	19.0	< 0.0931	0.0931				
4,4'-DDD	NE	0.031	< 0.740	0.740	< 0.00733	0.00733	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
4,4'-DDE	NE	0.23	< 0.952	0.952	< 0.00943	0.00943	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
4,4'-DDT	NE	0.23	< 0.856	0.856	< 0.00848	0.00848	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
Dieldrin	NE	0.0017	< 0.548	0.548	< 0.00543	0.00543	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
Endosulfan I	NE	NE	< 0.750	0.750	< 0.00743	0.00743	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
Endosulfan II	NE	NE	< 0.519	0.519	< 0.00514	0.00514	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
Endosulfan sulfate	NE	NE	< 0.625	0.625	< 0.00619	0.00619	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
Endrin	2	2.3	< 0.635	0.635	< 0.00629	0.00629	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
Endrin aldehyde	NE	NE	< 0.837	0.837	< 0.00829	0.00829	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
Endrin ketone	NE	NE	< 0.625	0.625	< 0.00619	0.00619	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
Heptachlor	0.4	0.002	< 0.548	0.548	< 0.00543	0.00543	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
Heptachlor epoxide	0.2	0.0038	< 0.673	0.673	< 0.00667	0.00667	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
Methoxychlor	40	37	< 0.510	0.510	< 0.00505	0.00505	< 0.0124	0.0124	< 0.248	RL1	0.248	< 0.248	RL1	0.248	< 0.00121	0.00121				
Toxaphene	3	0.015	< 3.97	3.97	< 0.0393	0.0393	< 0.952	0.952	< 19.0	RL1	19.0	< 19.0	RL1	19.0	< 0.0931	0.0931				

**Table 15**  
**Summary of Groundwater Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8081B	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	NUK1792-04 Tract 35 TW-5 (0-10) 11/10/2011			NWC2604-03 Tract 35 TW-6 (16-20) 03/20/2012			NWC3065-01-RE1 Tract 35 TW-7 (20-24) 03/21/2012			NWA4535-06 Tract 40 TW-1 (4-8) 01/26/2012			NWA4733-03 Tract 44 TW-1 (4-8) 01/27/2012		
			Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	NE	0.0046	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
delta-BHC	NE	NE	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
alpha-BHC	NE	0.0071	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
beta-BHC	NE	0.025	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
gamma-BHC (Lindane)	0.2	0.041	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
alpha-Chlordane	NE	NE	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
gamma-Chlordane	NE	NE	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
Chlordane	2	0.22	< 0.971	0.971	< 1.67	1.67	< 50.0	50.0	< 0.943	0.943	< 0.971	0.971	< 0.971	0.971	< 0.971	0.971	
4,4'-DDD	NE	0.031	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
4,4'-DDE	NE	0.23	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
4,4'-DDT	NE	0.23	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
Dieldrin	NE	0.0017	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	<b>0.0708</b>	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
Endosulfan I	NE	NE	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
Endosulfan II	NE	NE	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
Endosulfan sulfate	NE	NE	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
Endrin	2	2.3	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
Endrin aldehyde	NE	NE	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
Endrin ketone	NE	NE	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
Heptachlor	0.4	0.002	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
Heptachlor epoxide	0.2	0.0038	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
Methoxychlor	40	37	< 0.0126	0.0126	< 0.0217	0.0217	< 0.650	0.650	< 0.0123	0.0123	< 0.0126	0.0126	< 0.0126	0.0126	< 0.0126	0.0126	
Toxaphene	3	0.015	< 0.971	0.971	< 1.67	L 1.67	< 50.0	50.0	< 0.943	0.943	< 0.971	0.971	< 0.971	0.971	< 0.971	0.971	

**Table 15**  
**Summary of Groundwater Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in micrograms per liter.

Blue text indicates exceedance of screening level.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58. The MCL, if listed, supercedes the TWSL.
2. Tap Water Screening Level listed in the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table January 2015.

"NE" indicates specific screening level not listed.

"L" qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected. Data not impacted.

"RL1" qualifier indicates parameter reporting limit raised due to sample matrix effects.

\*\*\* qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate exceeds the control limits.

**Table 16**  
**Summary of Groundwater Analytical Data - Dioxins/Furans**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8290A	MCL <sup>(1)</sup>	TWSL <sup>(2)</sup>	H2C020432-003			H2C020432-006			H2C020432-011		
			Tract 37 TW-1 (20-24)			Tract 37 TW-2 (10-14)			Tract 37 TW-3 (10-14)		
			2/29/2012			2/29/2012			3/1/2012		
			Result	Qual	EDL	Result	Qual	EDL	Result	Qual	EDL
2,3,7,8-TCDD	30	0.6	ND		2.1	ND		2.3	ND		2.3
1,2,3,7,8-PeCDD	NE	NE	ND		1.3	ND		1.4	ND		1.2
1,2,3,4,7,8-HxCDD	NE	NE	ND		0.96	ND		1.0	ND		0.95
1,2,3,6,7,8-HxCDD	NE	13	ND		1.1	ND		1.1	ND		0.98
1,2,3,7,8,9-HxCDD	NE	13	1.4	Q, J	0.96	ND		1.0	ND		0.91
1,2,3,4,6,7,8-HpCDD	NE	NE	6.1	Q, J	1.5	ND		1.3	ND		1.4
OCDD	NE	NE	60	B, J	1.4	6.1	B, J	1.3	7.8	B, J	1.2
2,3,7,8-TCDF	NE	NE	ND		1.5	ND		1.5	ND		1.5
1,2,3,7,8-PeCDF	NE	NE	ND		0.81	ND		0.83	ND		0.79
2,3,4,7,8-PeCDF	NE	NE	ND		0.79	ND		0.85	ND		0.76
1,2,3,4,7,8-HxCDF	NE	NE	ND		0.65	ND		0.56	ND		0.62
1,2,3,6,7,8-HxCDF	NE	NE	ND		0.64	ND		0.60	ND		0.66
2,3,4,6,7,8-HxCDF	NE	NE	ND		0.73	ND		0.65	ND		0.71
1,2,3,7,8,9-HxCDF	NE	NE	ND		0.73	ND		0.63	ND		0.69
1,2,3,4,6,7,8-HpCDF	NE	NE	0.68	Q, J	1.2	ND		0.83	ND		0.75
1,2,3,4,7,8,9-HpCDF	NE	NE	ND		1.5	ND		1.2	ND		1.1
OCDF	NE	NE	1.5	B, J	1.3	ND		1.0	ND		1.2
Total TEQ (WHO 2005)	30	0.6	6.0			4.7			4.5		

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in picograms per liter (pg/L).

Blue text indicates exceedance of screening level.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58. The MCL, if listed, supercedes the TWSL.

2. Tap Water Screening Level listed in the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table January 2015.

"ND" indicates parameter analyzed but not detected above the laboratory MDL.

"NE" indicates specific screening level not listed.

"Q" qualifier indicates result is the Estimated Maximum Possible Concentration (EMPC).

"J" qualifier indicates analyte detected at a level less than the Minimum Level and greater than or equal to the Estimated Detection Limit. Concentrations within this range are estimated.

"B" flag indicates the compound was detected in the blank and sample.

Screening Levels listed for Hexachlorodibenzo-p-dioxin, mixture in the SL Table are presented for for 1,2,3,6,7,8-HxCDD and 1,2,3,7,8,9-HxCDD.

**Table 17**  
**Summary of Groundwater Analytical Data -Radon-222 and Radium-226**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY EPA 913.0 Mod and 309.1	MCL <sup>(1)</sup>	Proposed Level <sup>(2)</sup>	J4K190429-1			J4K210420-7			J4K210420-4			J4K200421-5			J4K200421-7		
			Tract 4 TW-1 (8-12)			Tract 4 TW-2 (4-14)			Tract 4A TW-1 (8-12)			Tract 4B TW-1 (6-10)			Tract 4C TW-1 (3-13)		
			11/18/2014			11/20/2014			11/20/2014			11/19/2014			11/19/2014		
			Result	Uncertainty	MDL	Result	Uncertainty	MDL	Result	Uncertainty	MDL	Result	Uncertainty	MDL	Result	Uncertainty	MDL
Radon-222	NE	4000	1240	± 69	27.3	1060	± 70	23.7	1210	± 78	23.6	386	± 33	26.0	652	± 48	25.8
Radium-226	5	---	2.82	± 0.80	0.150	7.58	± 1.7	0.189	0.910 J	± 0.22	0.115	0.646 J	± 0.30	0.362	65.7	± 1.9	0.586

Notes:

Results are in picocuries per liter

Blue text indicate exceedance of screening level.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58.

2. USEPA proposed level for community water suppliers (water systems that serve 25 or more year-round residents) in states that develop USEPA-approved, enhanced State radon in indoor air programs (called Multimedia Mitigation Programs). There is currently no federally-enforced drinking water standard for radon. USEPA does not regulate private wells.

"NE" indicates specific screening level not listed.

"J" qualifier indicates analyte detected at a level less than the Contractual Required Detection Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

MCL listed for Radium-226 is the MCL for combined Radium-226 and Radium-228 from R.61-58.

**Table 18**  
**Summary of Sediment Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8260B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	SSV <sup>(5)</sup>	NWC3217-01 Tract 35 SS-1 03/23/2012			NWC3217-02 Tract 35 SS-2 03/23/2012			NWC0375-07-RE1 Tract 37 SS-1 02/29/2012		
						Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	670000	61000	NE	2.9	NE	0.126	J	0.0968	0.148		0.0548	0.495		0.119
Benzene	5.1	1.2	0.0026	0.00023	NE	< 0.00426		0.00426	0.0117		0.00241	< 0.00525		0.00525
Bromochloromethane	630	150	NE	0.021	NE	< 0.00464		0.00464	< 0.00263		0.00263	< 0.00573		0.00573
Bromodichloromethane	1.3	0.29	0.022	0.000036	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
Bromoform	290	67	0.021	0.0024	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
Bromomethane	30	6.8	NE	0.0019	NE	< 0.00464		0.00464	< 0.00263		0.00263	< 0.00573	L	0.00573
2-Butanone	190000	27000	NE	1.2	NE	< 0.0968		0.0968	< 0.0548		0.0548	0.120	J	0.119
Carbon disulfide	3500	770	NE	0.24	NE	0.0147	J	0.0139	< 0.00789		0.00789	0.0789		0.0172
Carbon Tetrachloride	2.9	0.65	0.0019	0.00018	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
Chlorobenzene	1300	280	0.068	0.053	NE	< 0.00426		0.00426	< 0.00241		0.00241	0.321		0.00525
Chlorodibromomethane	3.2	0.73	0.021	0.000045	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
Chloroethane	57000	14000	NE	5.9	NE	< 0.00968		0.00968	< 0.00548		0.00548	< 0.0119		0.0119
Chloroform	1.4	0.32	0.022	0.000061	NE	< 0.00503		0.00503	< 0.00285		0.00285	< 0.00621		0.00621
Chloromethane	460	110	NE	0.049	NE	< 0.00426		0.00426	< 0.00241		0.00241	< 0.00525		0.00525
Cyclohexane	27000	6500	NE	13	NE	< 0.0194		0.0194	< 0.0110		0.0110	< 0.0239		0.0239
1,2-Dibromo-3-chloropropane	0.064	0.0053	0.000086	0.00000014	NE	< 0.00968		0.00968	< 0.00548		0.00548	< 0.0119		0.0119
1,2-Dibromoethane (EDB)	0.16	0.036	0.000014	0.00000021	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
Methylcyclohexane	NE	NE	NE	NE	NE	< 0.0194		0.0194	< 0.0110		0.0110	< 0.0239		0.0239
1,2-Dichlorobenzene	9300	1800	0.58	0.3	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
1,3-Dichlorobenzene	NE	NE	NE	NE	NE	< 0.00464		0.00464	< 0.00263		0.00263	0.0146		0.00573
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	NE	< 0.00426		0.00426	< 0.00241		0.00241	0.0146		0.00525
Dichlorodifluoromethane	370	87	NE	0.3	NE	< 0.00542		0.00542	< 0.00307		0.00307	< 0.00669		0.00669
1,2-Dichloroethane	2	0.46	0.0014	0.000048	NE	< 0.00426		0.00426	< 0.00241		0.00241	< 0.00525		0.00525
1,1-Dichloroethane	16	3.6	NE	0.00078	NE	< 0.00503		0.00503	< 0.00285		0.00285	< 0.00621		0.00621
1,1-Dichloroethene	1000	230	0.0025	0.1	NE	< 0.00464		0.00464	< 0.00263		0.00263	< 0.00573		0.00573
trans-1,2-Dichloroethene	23000	1600	0.029	0.11	NE	< 0.00503		0.00503	< 0.00285		0.00285	< 0.00621		0.00621
1,1,2-Trifluorotrchloroethane	170000	40000	NE	140	NE	< 0.00426		0.00426	< 0.00241		0.00241	< 0.00525		0.00525
cis-1,2-Dichloroethene	2300	160	0.021	0.011	NE	< 0.00426		0.00426	< 0.00241		0.00241	< 0.00525		0.00525
1,2-Dichloropropane	4.4	1	0.0017	0.00015	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
trans-1,3-Dichloropropene	NE	NE	NE	NE	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
cis-1,3-Dichloropropene	NE	NE	NE	NE	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
Ethylbenzene	25	5.8	0.78	0.0017	NE	< 0.00426		0.00426	< 0.00241		0.00241	0.00549	J	0.00525
2-Hexanone	1300	200	NE	0.0088	NE	< 0.0968		0.0968	< 0.0548		0.0548	< 0.119		0.119
Isopropylbenzene	9900	1900	NE	0.74	NE	< 0.00426		0.00426	< 0.00241		0.00241	< 0.00525		0.00525
Methyl Acetate	1200000	78000	NE	4.1	NE	< 0.0194		0.0194	< 0.0110		0.0110	< 0.0239		0.0239
Methyl tert-Butyl Ether	210	47	NE	0.0032	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
Methylene Chloride	1000	57	0.0013	0.0029	NE	< 0.0194		0.0194	< 0.0110		0.0110	< 0.0239		0.0239
4-Methyl-2-pentanone	56000	5300	NE	0.28	NE	< 0.0968		0.0968	< 0.0548		0.0548	< 0.119		0.119
Styrene	35000	6000	0.11	1.3	NE	< 0.00426		0.00426	< 0.00241		0.00241	< 0.00525		0.00525
1,1,2,2-Tetrachloroethane	2.7	0.6	NE	0.00003	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
Tetrachloroethene	100	24	0.0023	0.0051	NE	< 0.00503		0.00503	< 0.00285		0.00285	0.0241		0.00621
Toluene	47000	4900	0.69	0.76	NE	< 0.00426		0.00426	0.00508		0.00241	0.00626	J	0.00525
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	NE	< 0.00464		0.00464	< 0.00263		0.00263	< 0.00573		0.00573
1,2,3-Trichlorobenzene	660	49	NE	0.021	NE	< 0.00426		0.00426	< 0.00241		0.00241	< 0.00525		0.00525
1,1,1-Trichloroethane	36000	8100	0.07	2.8	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
1,1,2-Trichloroethane	5	1.1	0.0016	0.000089	NE	< 0.00968		0.00968	< 0.00548		0.00548	< 0.0119		0.0119
Trichloroethene	6	0.94	0.0018	0.00018	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
Trichlorofluoromethane	3100	730	NE	0.73	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
Vinyl chloride	1.7	0.059	0.00069	0.0000065	NE	< 0.00387		0.00387	< 0.00219		0.00219	< 0.00478		0.00478
Xylenes, total	2500	580	9.8	0.19	NE	< 0.00968		0.00968	< 0.00548		0.00548	< 0.0119		0.0119

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in milligrams per kilograms.

Blue text indicate exceedance of screening level.

1. Industrial Screening Level for soil obtained from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table dated January 2015 (SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
2. Residential Screening Level for soil from the SL Table. Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
3. Soil Screening Level (SSL) for the protection of groundwater based on the maximum contaminant level (MCL) for drinking water (from the SL Table). The SSL-MCL, if listed, supercedes the SSL-Tap.
4. Soil Screening Level (SSL) for the protection of groundwater based on tap water (risk-based) screening level for drinking water (from the SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1 and a dilution attenuation factor of 1.
5. Sediment Screening Values (SSV) for Hazardous Waste Sites (Table 3) obtained from the USEPA Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment. Updated November 30, 2001.

"NE" indicates specific screening level not listed.

"L" qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected. Data not impacted.

"J" qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

**Table 19**  
**Summary of Sediment Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8270D	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	SSV <sup>(5)</sup>	NWC3217-01 Tract 35 SS-1 03/23/2012			NWC3217-02 Tract 35 SS-2 03/23/2012			NWC0375-07 Tract 37 SS-1 02/29/2012		
						Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	45000	3500	NE	5.5	0.33	< 0.0922		0.0922	< 0.0628		0.0628	< 0.125		0.125
Acenaphthylene	NE	NE	NE	NE	0.33	< 0.0922		0.0922	< 0.0628		0.0628	< 0.125		0.125
Anthracene	230000	17000	NE	58	0.33	< 0.0922		0.0922	< 0.0628		0.0628	< 0.125		0.125
Benzo (a) anthracene	2.9	0.15	NE	0.012	0.33	< 0.0922		0.0922	< 0.0628		0.0628	0.178	J	0.125
Benzo (a) pyrene	0.29	0.015	0.24	0.004	0.33	< 0.0922		0.0922	< 0.0628		0.0628	0.251		0.125
Benzo (b) fluoranthene	2.9	0.15	NE	0.041	0.655	< 0.0922		0.0922	< 0.0628		0.0628	0.340		0.125
Benzo (g,h,i) perylene	NE	NE	NE	NE	0.655	< 0.0922		0.0922	< 0.0628		0.0628	0.199	J	0.125
Benzo (k) fluoranthene	29	1.5	NE	0.4	0.655	< 0.0922		0.0922	< 0.0628		0.0628	0.196	J	0.125
4-Bromophenyl phenyl ether	NE	NE	NE	NE	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Butyl benzyl phthalate	1200	280	NE	0.23	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Carbazole	NE	NE	NE	NE	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
4-Chloro-3-methylphenol	82000	6200	NE	1.7	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
4-Chloroaniline	12	2.7	NE	0.00016	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Bis(2-chloroethoxy)methane	2500	180	NE	0.013	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Bis(2-chloroethyl)ether	1	0.23	NE	0.000036	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Bis(2-chloroisopropyl)ether	22	4.9	NE	0.00013	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
2-Chloronaphthalene	93000	6300	NE	3.8	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
2-Chlorophenol	5800	390	NE	0.074	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
4-Chlorophenyl phenyl ether	NE	NE	NE	NE	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Chrysene	290	15	NE	1.2	0.33	< 0.0922		0.0922	< 0.0628		0.0628	0.229	J	0.125
Dibenz (a,h) anthracene	0.29	0.015	NE	0.013	0.33	< 0.0922		0.0922	< 0.0628		0.0628	< 0.125		0.125
Dibenzofuran	1000	72	NE	0.15	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Di-n-butyl phthalate	82000	6200	NE	2.3	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
3,3-Dichlorobenzidine	5.1	1.2	NE	0.00081	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
2,4-Dichlorophenol	2500	180	NE	0.054	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Diethyl phthalate	660000	49000	NE	6.1	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
2,4-Dimethylphenol	16000	1200	NE	0.42	NE	< 0.521		0.521	< 0.354		0.354	< 0.706		0.706
Dimethyl phthalate	NE	NE	NE	NE	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
4,6-Dinitro-2-methylphenol	66	4.9	NE	0.0026	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
2,4-Dinitrophenol	1600	120	NE	0.044	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
2,6-Dinitrotoluene	1.5	0.36	NE	0.000067	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
2,4-Dinitrotoluene	7.4	1.7	NE	0.00032	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Di-n-octyl phthalate	8200	620	NE	57	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
1,2-Dichlorobenzene	9300	1800	0.58	0.3	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Bis(2-ethylhexyl)phthalate	160	38	1.4	1.3	0.182	< 0.453		0.453	< 0.308		0.308	0.880	J	0.614
1,3-Dichlorobenzene	NE	NE	NE	NE	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Fluoranthene	30000	2300	NE	89	0.33	< 0.0922		0.0922	< 0.0628		0.0628	0.354		0.125
1,4-Dichlorobenzene	11	2.6	0.072	0.00046	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Fluorene	30000	2300	NE	5.4	0.33	< 0.0922		0.0922	< 0.0628		0.0628	< 0.125		0.125
Hexachlorobenzene	1.4	0.33	0.013	0.00061	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Hexachlorobutadiene	30	6.8	NE	0.00057	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Hexachlorocyclopentadiene	4900	370	0.16	0.096	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Hexachloroethane	58	13	NE	0.00055	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Indeno (1,2,3-cd) pyrene	2.9	0.15	NE	0.24	0.655	< 0.0922		0.0922	< 0.0628		0.0628	0.189	J	0.125
Isophorone	2400	560	NE	0.026	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
2-Methylnaphthalene	3000	230	NE	0.19	0.33	< 0.0922		0.0922	< 0.0628		0.0628	< 0.125		0.125
2-Methylphenol	41000	3100	NE	0.75	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
3/4-Methylphenol	NE	NE	NE	NE	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Naphthalene	17	3.8	NE	0.00054	0.33	< 0.0922		0.0922	< 0.0628		0.0628	< 0.125		0.125
3-Nitroaniline	NE	NE	NE	NE	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
2-Nitroaniline	8000	610	NE	0.08	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
4-Nitroaniline	120	27	NE	0.0016	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Nitrobenzene	22	5.1	NE	0.000092	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
4-Nitrophenol	NE	NE	NE	NE	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
2-Nitrophenol	NE	NE	NE	NE	NE	< 0.532		0.532	< 0.362		0.362	< 0.721		0.721
N-Nitrosodiphenylamine	470	110	NE	0.066	NE	< 0.496		0.496	< 0.338		0.338	< 0.673		0.673
N-Nitrosodi-n-propylamine	0.33	0.076	NE	0.0000081	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Pentachlorophenol	4	0.99	0.01	0.0004	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Phenanthrene	NE	NE	NE	NE	0.33	< 0.0922		0.0922	< 0.0628		0.0628	< 0.125		0.125
Phenol	250000	18000	NE	3.3	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
Pyrene	23000	1700	NE	13	0.33	< 0.0922		0.0922	< 0.0628		0.0628	0.281		0.125
2,4,6-Trichlorophenol	210	48	NE	0.015	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
2,4,5-Trichlorophenol	82000	6200	NE	4.4	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614
1,2,4-Trichlorobenzene	110	24	0.2	0.0033	NE	< 0.453		0.453	< 0.308		0.308	< 0.614		0.614

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in milligrams per kilograms.

Blue text indicate exceedance of screening level.

1. Industrial Screening Level for soil obtained from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table dated January 2015 (SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.

2. Residential Screening Level for soil from the SL Table. Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.

3. Soil Screening Level (SSL) for the protection of groundwater based on the maximum contaminant level (MCL) for drinking water (from the SL Table). The SSL-MCL, if listed, supercedes the SSL-Tap.

4. Soil Screening Level (SSL) for the protection of groundwater based on tap water (risk-based) screening level for drinking water (from the SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1 and a dilution attenuation factor of 1.

5. Sediment Screening Values (SSV) for Hazardous Waste Sites (Table 3) obtained from the USEPA Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment. Updated November 30, 2001.

"NE" indicates specific screening level not listed.

"NA" indicates specific parameter not analyzed.

"J" qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

**Table 20**  
**Summary of Sediment Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 6010C/7471B/7196A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	SSV <sup>(5)</sup>	NWC3217-01 Tract 35 SS-1 03/23/2012			NWC3217-02 Tract 35 SS-2 03/23/2012			NWC0375-07 Tract 37 SS-1 02/29/2012		
						Conc.	Qual	MDL	Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	1100000	77000	NE	30000	NE	16700		26.8	4830		18.9	14200		36.4
Antimony	470	31	0.27	0.35	12	< 13.4		13.4	< 9.45		9.45	< 18.2		18.2
Arsenic	3	0.67	0.29	0.0015	7.24	<b>33.8</b>		1.34	<b>6.69</b>		0.945	<b>5.74</b>		1.82
Barium	220000	15000	82	160	NE	23.6		2.68	10.5		1.89	80.4		3.64
Beryllium	2300	160	3.2	19	NE	1.93	J B	1.34	< 0.945		0.945	< 1.82		1.82
Cadmium	980	70	0.38	0.69	1	< 1.34		1.34	< 0.945		0.945	<b>3.78</b>		1.82
Calcium	NE	NE	NE	NE	NE	3740	B B1	134	18700	B B1	94.5	185000		182
Chromium	NE	NE	180000	NE	52.3	36.7		1.34	<b>124</b>		0.945	<b>107</b>		1.82
Cobalt	350	23	NE	0.27	NE	<b>7.18</b>	J	4.02	< 2.83		2.83	< 5.45		5.45
Copper	47000	3100	46	28	18.7	<b>60.6</b>		2.68	<b>23.2</b>		1.89	<b>51.4</b>		3.64
Iron	820000	55000	NE	350	NE	<b>38200</b>	B B1	13.4	<b>7120</b>	B B1	9.45	<b>15600</b>	B	18.2
Lead	800	400	14	NE	30.2	<b>68.1</b>		1.34	<b>32.0</b>		0.945	<b>130</b>		1.82
Magnesium	NE	NE	NE	NE	NE	6430		134	3040		94.5	3290		182
Manganese	26000	1800	NE	28	NE	<b>457</b>		4.02	<b>57.1</b>		2.83	<b>194</b>		5.45
Nickel	22000	1500	NE	26	15.9	13.1		2.68	<b>23.2</b>		1.89	14.7		3.64
Potassium	NE	NE	NE	NE	NE	3310		134	839		94.5	1090		182
Selenium	5800	390	0.26	0.52	NE	< 2.68		2.68	< 1.89		1.89	< 3.64		3.64
Silver	5800	390	NE	0.8	2	< 1.34		1.34	< 0.945		0.945	< 1.82		1.82
Sodium	NE	NE	NE	NE	NE	13100		268	5710		189	< 364		364
Thallium	12	0.78	0.14	0.014	NE	< 2.68		2.68	< 1.89		1.89	< 3.64		3.64
Vanadium	5800	390	NE	86	NE	67.0		13.4	13.6	J	9.45	30.5	J	18.2
Zinc	350000	23000	NE	370	124	<b>172</b>		13.4	102		9.45	<b>664</b>		18.2
Mercury	40	9.4	0.1	0.033	0.13	< 0.14		0.14	0.095	J	0.091	<b>0.25</b>	J	0.18
Chromium (VI)	6.3	0.3	NE	0.00067	NE	< 2.73		2.73	< 1.90		1.90	NA		

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in milligrams per kilograms.

Blue text indicate exceedance of screening level.

1. Industrial Screening Level for soil obtained from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table dated January 2015 (SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
2. Residential Screening Level for soil from the SL Table. Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
3. Soil Screening Level (SSL) for the protection of groundwater based on the maximum contaminant level (MCL) for drinking water (from the SL Table). The SSL-MCL, if listed, supercedes the SSL-Tap.
4. Soil Screening Level (SSL) for the protection of groundwater based on tap water (risk-based) screening level for drinking water (from the SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1 and a dilution attenuation factor of 1.
5. Sediment Screening Values (SSV) for Hazardous Waste Sites (Table 3) obtained from the USEPA Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment. Updated November 30, 2001.

"NE" indicates specific screening level not listed.

"NA" indicates specific parameter not analyzed.

"J" qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

"B" qualifier indicates the compound was detected in the blank and sample.

"B1" qualifier indicates parameter was detected in the associated Method Blank and the parameter concentration in the sample is greater than 10 times the concentration found in the Method Blank.



**Table 21**  
**Summary of Sediment Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8082A	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	SSV <sup>(5)</sup>	NWC3217-01 Tract 35 SS-1 03/23/2012			NWC3217-02 Tract 35 SS-2 03/23/2012		
						Conc.	Qual	MDL	Conc.	Qual	MDL
PCB-1016	30	4	0.078	0.11	0.033	< 0.0569		0.0569	< 0.0391		0.0391
PCB-1221	0.66	0.15	0.078	0.000079	0.067	< 0.0298		0.0298	< 0.0205		0.0205
PCB-1232	0.66	0.15	0.078	0.000079	0.033	< 0.0433		0.0433	< 0.0298		0.0298
PCB-1242	1	0.24	0.078	0.0061	0.033	< 0.0704		0.0704	< 0.0485		0.0485
PCB-1248	1	0.24	0.078	0.006	0.033	< 0.0813		0.0813	< 0.0559		0.0559
PCB-1254	1	0.24	0.078	0.01	0.033	< 0.0298		0.0298	< 0.0205		0.0205
PCB-1260	1	0.24	0.078	0.027	0.033	< 0.0758		0.0758	< 0.0522		0.0522

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in milligrams per kilogram.

1. Industrial Screening Level for soil obtained from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table dated January 2015 (SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
2. Residential Screening Level for soil from the SL Table. Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
3. Soil Screening Level (SSL) for the protection of groundwater based on the maximum contaminant level (MCL) for drinking water (from the SL Table). The SSL-MCL, if listed, supercedes the SSL-Tap.
4. Soil Screening Level (SSL) for the protection of groundwater based on tap water (risk-based) screening level for drinking water (from the SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1 and a dilution attenuation factor of 1.
5. Sediment Screening Values (SSV) for Hazardous Waste Sites (Table 3) obtained from the USEPA Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment. Updated November 30, 2001.

**Table 22**  
**Summary of Sediment Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8081B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	SSV <sup>(5)</sup>	NWC3217-01-RE1 Tract 35 SS-1 03/23/2012			NWC3217-02-RE1 Tract 35 SS-2 03/23/2012		
						Conc.	Qual	MDL	Conc.	Qual	MDL
Aldrin	0.14	0.031	NE	0.00075	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
delta-BHC	0.37	0.085	NE	0.000041	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
alpha-BHC	1.3	0.3	NE	0.00014	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
beta-BHC	NE	NE	NE	NE	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
gamma-BHC (Lindane)	2.5	0.56	0.0012	0.00024	0.0033	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
alpha-Chlordane	NE	NE	NE	NE	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
gamma-Chlordane	NE	NE	NE	NE	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
Chlordane	8	1.8	0.14	0.015	0.0017	< 0.0899	0.0899	< 0.0623	0.0623	0.0623	
4,4'-DDD	9.6	2.2	NE	0.0072	0.0033	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
4,4'-DDE	6.8	1.6	NE	0.054	0.0033	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
4,4'-DDT	8.6	1.9	NE	0.077	0.0033	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
Dieldrin	0.14	0.033	NE	0.000069	0.0033	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
Endosulfan I	NE	NE	NE	NE	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
Endosulfan II	NE	NE	NE	NE	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
Endosulfan sulfate	NE	NE	NE	NE	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
Endrin	250	18	0.081	0.092	0.0033	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
Endrin aldehyde	NE	NE	NE	NE	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
Endrin ketone	NE	NE	NE	NE	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
Heptachlor	0.51	0.12	0.033	0.00016	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
Heptachlor epoxide	0.25	0.059	0.0041	0.000078	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
Methoxychlor	4100	310	2.2	2	NE	< 0.00227	0.00227	< 0.00157	0.00157	0.00157	
Toxaphene	2.1	0.48	0.46	0.0024	NE	< 0.114	0.114	< 0.0790	0.0790	0.0790	

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in milligrams per kilogram.

1. Industrial Screening Level for soil obtained from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table dated January 2015 (SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
  2. Residential Screening Level for soil from the SL Table. Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.
  3. Soil Screening Level (SSL) for the protection of groundwater based on the maximum contaminant level (MCL) for drinking water (from the SL Table). The SSL-MCL, if listed, supercedes the SSL-Tap.
  4. Soil Screening Level (SSL) for the protection of groundwater based on tap water (risk-based) screening level for drinking water (from the SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1 and a dilution attenuation factor of 1.
  5. Sediment Screening Values (SSV) for Hazardous Waste Sites (Table 3) obtained from the USEPA Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment. Updated November 30, 2001.
- "NE" indicates specific screening level not listed.

**Table 23**  
**Summary of Sediment Analytical Data - Dioxins/Furans**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: SOIL BY SW846 8081B	ISL <sup>(1)</sup>	RSL <sup>(2)</sup>	SSL-MCL <sup>(3)</sup>	SSL-Tap <sup>(4)</sup>	SSV <sup>(5)</sup>	H2C020432-007		
						Tract 37 SS-1		
						2/29/2012		
						Conc.	Qual	EDL
2,3,7,8-TCDD	22	4.9	15	0.3	2.5	ND		0.57
1,2,3,7,8-PeCDD	NE	NE	NE	NE	NE	0.75	Q, J	0.32
1,2,3,4,7,8-HxCDD	NE	NE	NE	NE	NE	0.72	Q, J	0.24
1,2,3,6,7,8-HxCDD	470	100	NE	17	NE	4.3	J	0.25
1,2,3,7,8,9-HxCDD	470	100	NE	17	NE	2.4	Q, J	0.23
1,2,3,4,6,7,8-HpCDD	NE	NE	NE	NE	NE	39		0.33
OCDD	NE	NE	NE	NE	NE	200	B	0.25
2,3,7,8-TCDF	NE	NE	NE	NE	NE	1.2	Q, J	0.36
1,2,3,7,8-PeCDF	NE	NE	NE	NE	NE	0.62	J	0.24
2,3,4,7,8-PeCDF	NE	NE	NE	NE	NE	1.1	J	0.22
1,2,3,4,7,8-HxCDF	NE	NE	NE	NE	NE	0.80	Q, J	0.16
1,2,3,6,7,8-HxCDF	NE	NE	NE	NE	NE	1.1	Q, J	0.17
2,3,4,6,7,8-HxCDF	NE	NE	NE	NE	NE	1.2	Q, J	0.17
1,2,3,7,8,9-HxCDF	NE	NE	NE	NE	NE	ND		0.24
1,2,3,4,6,7,8-HpCDF	NE	NE	NE	NE	NE	539	J	0.21
1,2,3,4,7,8,9-HpCDF	NE	NE	NE	NE	NE	1.0	J	0.30
OCDF	NE	NE	NE	NE	NE	7.7	B, J	0.21
Total TEQ (WHO 2005)	22	4.9	15	0.3	2.5			8.7

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in picograms per gram.

Blue text indicates exceedance of screening level.

1. Industrial Screening Level for soil obtained from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table dated January 2015 (SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.

2. Residential Screening Level for soil from the SL Table. Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1.

3. Soil Screening Level (SSL) for the protection of groundwater based on the maximum contaminant level (MCL) for drinking water (from the SL Table). The SSL-MCL, if listed, supercedes the SSL-Tap.

4. Soil Screening Level (SSL) for the protection of groundwater based on tap water (risk-based) screening level for drinking water (from the SL Table). Based on a target cancer risk of 1E-06 and a target non-cancer hazard quotient of 1 and a dilution attenuation factor of 1.

5. Sediment Screening Values (SSV) for Hazardous Waste Sites (Table 3) obtained from the USEPA Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment. Updated November 30, 2001.

"NE" indicates specific screening level not listed.

"ND" indicates the parameter was not detected at a concentration greater than the listed laboratory method detection limit.

"J" qualifier indicates analyte detected at a level less than the Minimum Level and greater than or equal to the Estimated Detection Limit. Concentrations within this range are estimated.

"Q" qualifier indicates result is the Estimated Maximum Possible Concentration (EMPC).

"B" flag indicates the compound was detected in the blank and sample.

Screening Levels listed for Hexachlorodibenzo-p-dioxin, mixture in the SL Table are presented for for 1,2,3,6,7,8-HxCDD and 1,2,3,7,8,9-HxCDD.

**Table 24**  
**Summary of Surface Water Analytical Data - Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8260B	MCL <sup>(1)</sup>	Water & Organism <sup>(2)</sup>	Organism Only <sup>(3)</sup>	NWC2754-04 TRACT 35 SW-1 03/21/2012			NWC0375-08 Tract 37 SW-1 02/29/2012		
				Conc.	Qual	MDL	Conc.	Qual	MDL
Acetone	NE	NE	NE	< 25.0		25.0	< 25.0		25.0
Benzene	5	2.2	51	< 0.500		0.500	< 0.500		0.500
Bromochloromethane	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
Bromodichloromethane	80	0.55	17	< 0.500		0.500	< 0.500		0.500
Bromoform	80	4.3	140	< 0.500		0.500	< 0.500		0.500
Bromomethane	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
2-Butanone	NE	NE	NE	< 25.0		25.0	< 25.0		25.0
Carbon disulfide	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
Carbon Tetrachloride	5	0.23	1.6	< 0.500		0.500	< 0.500		0.500
Chlorobenzene	100	130	1600	< 0.500		0.500	< 0.500		0.500
Chlorodibromomethane	80	NE	NE	< 0.500		0.500	< 0.500		0.500
Chloroethane	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
Chloroform	80	5.7	470	< 0.500		0.500	< 0.500		0.500
Chloromethane	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
Cyclohexane	NE	NE	NE	< 2.50		2.50	< 2.50		2.50
1,2-Dibromo-3-chloropropane	0.2	NE	NE	< 5.00		5.00	< 5.00		5.00
1,2-Dibromoethane (EDB)	0.05	NE	NE	< 0.500		0.500	< 0.500		0.500
Methylcyclohexane	NE	NE	NE	< 2.50		2.50	< 2.50		2.50
1,2-Dichlorobenzene	600	420	1300	< 0.500		0.500	< 0.500		0.500
1,3-Dichlorobenzene	NE	320	960	< 0.500		0.500	< 0.500		0.500
1,4-Dichlorobenzene	75	63	190	< 0.500		0.500	< 0.500		0.500
Dichlorodifluoromethane	NE	NE	NE	< 0.600		0.600	< 0.600		0.600
1,2-Dichloroethane	5	0.38	37	< 0.500		0.500	< 0.500		0.500
1,1-Dichloroethane	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
1,1-Dichloroethene	7	330	7100	< 0.500		0.500	< 0.500		0.500
trans-1,2-Dichloroethene	100	140	10000	< 0.500		0.500	< 0.500		0.500
1,1,2-Trifluorotrichloroethane	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
cis-1,2-Dichloroethene	70	NE	NE	< 0.500		0.500	< 0.500		0.500
1,2-Dichloropropane	5	0.50	15	< 0.500		0.500	< 0.500		0.500
trans-1,3-Dichloropropene	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
cis-1,3-Dichloropropene	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
Ethylbenzene	700	530	2100	< 0.500		0.500	< 0.500		0.500
2-Hexanone	NE	NE	NE	< 5.00		5.00	< 5.00		5.00
Isopropylbenzene	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
Methyl Acetate	NE	NE	NE	< 5.00		5.00	< 5.00	L2	5.00
Methyl tert-Butyl Ether	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
Methylene Chloride	5	4.6	590	< 2.50		2.50	< 2.50		2.50
4-Methyl-2-pentanone	NE	NE	NE	< 5.00		5.00	< 5.00		5.00
Styrene	100	NE	NE	< 0.500		0.500	< 0.500		0.500
1,1,2,2-Tetrachloroethane	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
Tetrachloroethene	5	0.69	3.3	< 0.500		0.500	< 0.500		0.500
Toluene	1000	1300	15000	< 0.500		0.500	< 0.500		0.500
1,2,4-Trichlorobenzene	70	35	70	< 0.500		0.500	< 0.500		0.500
1,2,3-Trichlorobenzene	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
1,1,1-Trichloroethane	200	NE	NE	< 0.500		0.500	< 0.500		0.500
1,1,2-Trichloroethane	5	0.59	16	< 0.500		0.500	< 0.500		0.500
Trichloroethene	5	2.5	30	< 0.500		0.500	< 0.500		0.500
Trichlorofluoromethane	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
Vinyl chloride	2	0.025	2.4	< 0.500		0.500	< 0.500		0.500
Xylenes, total	10000	NE	NE	< 1.50		1.50	< 1.50		1.50

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in micrograms per liter.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58.

2. Water Quality Numeric Criteria for the Protection of Aquatic Life and Human Health for Consumption of Water & Organism obtained from SCDHEC R.61-68, Water Classifications & Standards dated June 22, 2012.

3. Water Quality Numeric Criteria for the Protection of Aquatic Life and Human Health for Consumption of Organism Only obtained from SCDHEC R.61-68, Water Classifications & Standards dated June 22, 2012.

"NE" indicates specific screening level not listed.

"L2" qualifier indicates the Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.

**Table 25**  
**Summary of Surface Water Analytical Data - Semi Volatile Organic Compounds**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8270D	MCL <sup>(1)</sup>	Water & Organism <sup>(2)</sup>	Organism Only <sup>(3)</sup>	NWC2754-04 Tract 35 SW-1 03/21/2012			NWC0375-08 Tract 37 SW-1 02/29/2012		
				Conc.	Qual	MDL	Conc.	Qual	MDL
Acenaphthene	NE	670	990	< 0.952		0.952	< 0.952		0.952
Acenaphthylene	NE	NE	NE	< 0.952		0.952	< 0.952		0.952
Anthracene	NE	8300	40000	< 0.952		0.952	< 0.952		0.952
Benzo (a) anthracene	NE	0.0038	0.0180	< 0.952		0.952	< 0.952		0.952
Benzo (a) pyrene	0.2	0.0038	0.0180	< 0.952		0.952	< 0.952		0.952
Benzo (b) fluoranthene	NE	0.0038	0.0180	< 0.952		0.952	< 0.952		0.952
Benzo (g,h,i) perylene	NE	NE	NE	< 0.952		0.952	< 0.952		0.952
Benzo (k) fluoranthene	NE	0.0038	0.018	< 0.952		0.952	< 0.952		0.952
4-Bromophenyl phenyl ether	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
Butyl benzyl phthalate	NE	1500	1900	< 4.76		4.76	< 4.76		4.76
Carbazole	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
4-Chloro-3-methylphenol	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
4-Chloroaniline	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
Bis(2-chloroethoxy)methane	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
Bis(2-chloroethyl)ether	NE	0.030	0.53	< 4.76		4.76	< 4.76		4.76
Bis(2-chloroisopropyl)ether	NE	1400	65000	< 4.76		4.76	< 4.76		4.76
2-Chloronaphthalene	NE	1000	1600	< 4.76		4.76	< 4.76		4.76
2-Chlorophenol	NE	81	150	< 4.76		4.76	< 4.76		4.76
4-Chlorophenyl phenyl ether	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
Chrysene	NE	0.0038	0.018	< 0.952		0.952	< 0.952		0.952
Dibenz (a,h) anthracene	NE	0.0038	0.018	< 0.952		0.952	< 0.952		0.952
Dibenzofuran	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
Di-n-butyl phthalate	NE	2000	4500	< 4.76		4.76	< 4.76		4.76
3,3-Dichlorobenzidine	NE	0.021	0.028	< 4.76		4.76	< 4.76		4.76
2,4-Dichlorophenol	NE	77	290	< 4.76		4.76	< 4.76		4.76
Diethyl phthalate	NE	17000	44000	< 4.76		4.76	< 4.76		4.76
2,4-Dimethylphenol	NE	380	850	< 4.76		4.76	< 4.76		4.76
Dimethyl phthalate	NE	270000	100000	< 4.76		4.76	< 4.76		4.76
4,6-Dinitro-2-methylphenol	NE	NE	NE	< 12.4		12.4	< 12.4		12.4
2,4-Dinitrophenol	NE	69	5300	< 12.4		12.4	< 12.4		12.4
2,6-Dinitrotoluene	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
2,4-Dinitrotoluene	NE	0.11	3.4	< 4.76		4.76	< 4.76		4.76
Di-n-octyl phthalate	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
1,2-Dichlorobenzene	600	420	1300	< 4.76		4.76	< 4.76		4.76
Bis(2-ethylhexyl)phthalate	6	1.2	2.2	< 4.76		4.76	< 4.76		4.76
1,3-Dichlorobenzene	NE	320	960	< 4.76		4.76	< 4.76		4.76
Fluoranthene	NE	130	140	< 0.952		0.952	< 0.952		0.952
1,4-Dichlorobenzene	75	63	190	< 4.76		4.76	< 4.76		4.76
Fluorene	NE	1100	5300	< 0.952		0.952	< 0.952		0.952
Hexachlorobenzene	1	0.00028	0.00029	< 4.76		4.76	< 4.76		4.76
Hexachlorobutadiene	NE	0.44	18	< 4.76		4.76	< 4.76		4.76
Hexachlorocyclopentadiene	50	40	1100	< 4.76		4.76	< 4.76		4.76
Hexachloroethane	NE	1.4	3.3	< 4.76		4.76	< 4.76		4.76
Indeno (1,2,3-cd) pyrene	NE	0.0038	0.018	< 0.952		0.952	< 0.952		0.952
Isophorone	NE	35	960	< 4.76		4.76	< 4.76		4.76
2-Methylnaphthalene	NE	NE	NE	< 0.952		0.952	< 0.952		0.952
2-Methylphenol	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
3/4-Methylphenol	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
Naphthalene	NE	NE	NE	< 0.952		0.952	< 0.952		0.952
3-Nitroaniline	NE	NE	NE	< 12.4		12.4	< 12.4		12.4
2-Nitroaniline	NE	NE	NE	< 12.4		12.4	< 12.4		12.4
4-Nitroaniline	NE	NE	NE	< 12.4		12.4	< 12.4		12.4
Nitrobenzene	NE	17	690	< 4.76		4.76	< 4.76		4.76
4-Nitrophenol	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
2-Nitrophenol	NE	NE	NE	< 4.76		4.76	< 4.76		4.76
N-Nitrosodiphenylamine	NE	3.3	6.0	< 4.76		4.76	< 4.76		4.76
N-Nitrosodi-n-propylamine	NE	0.0050	0.51	< 4.76		4.76	< 4.76		4.76
Pentachlorophenol	1	0.27	3.0	< 12.4		12.4	< 12.4		12.4
Phenanthrene	NE	NE	NE	< 0.952		0.952	< 0.952		0.952
Phenol	NE	10000	860000	< 4.76		4.76	< 4.76		4.76
Pyrene	NE	830	4000	< 0.952		0.952	< 0.952		0.952
2,4,6-Trichlorophenol	NE	1.4	2.4	< 4.76		4.76	< 4.76		4.76
2,4,5-Trichlorophenol	NE	NE	NE	< 12.4		12.4	< 12.4		12.4
1,2,4-Trichlorobenzene	70	35	70	< 4.76		4.76	< 4.76		4.76

Notes:  
 Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in micrograms per liter.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58.
2. Water Quality Numeric Criteria for the Protection of Aquatic Life and Human Health for Consumption of Water & Organism obtained from SCDHEC R.61-68, Water Classifications & Standards dated June 22, 2012.
3. Water Quality Numeric Criteria for the Protection of Aquatic Life and Human Health for Consumption of Organism Only obtained from SCDHEC R.61-68, Water Classifications & Standards dated June 22, 2012.

"NE" indicates specific screening level not listed.

**Table 26**  
**Summary of Surface Water Analytical Data - TAL Metals**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 6010C7470A/7196A	MCL <sup>(1)</sup>	Water & Organism <sup>(2)</sup>	Organism Only <sup>(3)</sup>	NWC2754-04 Tract 35 SW-1 03/21/2012			NWC0375-08 Tract 37 SW-1 02/29/2012		
				Conc.	Qual	MDL	Conc.	Qual	MDL
Aluminum	NE	NE	NE	0.172		0.0500	< 0.0500		0.0500
Aluminum, Dissolved	NE	NE	NE	< 0.500		0.500	< 0.500		0.500
Antimony	0.006	0.0056	0.64	< 0.00500		0.00500	< 0.00500		0.00500
Antimony, Dissolved	0.006	0.0056	0.64	< 0.0500		0.0500	< 0.0500		0.0500
Arsenic	0.01	0.01	0.01	< 0.00500		0.00500	< 0.00500		0.00500
Arsenic, Dissolved	0.01	0.01	0.01	< 0.0500		0.0500	< 0.0500		0.0500
Barium	2	NE	NE	0.0189		0.00500	0.0426		0.00500
Barium, Dissolved	2	NE	NE	< 0.0500		0.0500	0.0500	J	0.0500
Beryllium	0.004	NE	NE	< 0.00200		0.00200	< 0.00200		0.00200
Beryllium, Dissolved	0.004	NE	NE	< 0.0200		0.0200	< 0.0200		0.0200
Cadmium	0.005	NE	NE	< 0.000600		0.000600	< 0.000600		0.000600
Cadmium, Dissolved	0.005	NE	NE	< 0.00600		0.00600	< 0.00600		0.00600
Calcium	NE	NE	NE	210		5.00	74.9		5.00
Calcium, Dissolved	NE	NE	NE	242		5.00	98.8		5.00
Chromium	0.1	NE	NE	< 0.00250		0.00250	< 0.00250		0.00250
Chromium, Dissolved	0.1	NE	NE	< 0.0250		0.0250	< 0.0250		0.0250
Cobalt	NE	NE	NE	< 0.0100		0.0100	< 0.0100		0.0100
Cobalt, Dissolved	NE	NE	NE	< 0.100		0.100	< 0.100		0.100
Copper	1.3	1.3	NE	< 0.00500		0.00500	0.00730	J B	0.00500
Copper, Dissolved	1.3	1.3	NE	< 0.0500		0.0500	< 0.0500		0.0500
Iron	NE	NE	NE	0.252	B	0.0250	0.111		0.0250
Iron, Dissolved	NE	NE	NE	< 0.250		0.250	< 0.250		0.250
Lead	0.015	NE	NE	< 0.00250		0.00250	< 0.00250		0.00250
Lead, Dissolved	0.015	NE	NE	< 0.0250		0.0250	< 0.0250		0.0250
Magnesium	NE	NE	NE	682		5.00	3.82		0.500
Magnesium, Dissolved	NE	NE	NE	748		5.00	< 5.00		5.00
Manganese	NE	NE	NE	0.0218		0.00750	0.0430		0.00750
Manganese, Dissolved	NE	NE	NE	< 0.0750		0.0750	< 0.0750		0.0750
Nickel	NE	0.61	4.6	< 0.00500		0.00500	< 0.00500		0.00500
Nickel, Dissolved	NE	0.61	4.6	< 0.0500		0.0500	< 0.0500		0.0500
Potassium	NE	NE	NE	217		5.00	6.45		0.500
Potassium, Dissolved	NE	NE	NE	220		5.00	10.4		5.00
Selenium	0.05	0.17	4.2	< 0.00500		0.00500	< 0.00500		0.00500
Selenium, Dissolved	0.05	0.17	4.2	< 0.0500		0.0500	< 0.0500		0.0500
Silver	NE	NE	NE	< 0.00250		0.00250	< 0.00250		0.00250
Silver, Dissolved	NE	NE	NE	< 0.0250		0.0250	< 0.0250		0.0250
Sodium	NE	NE	NE	5590		50.0	7.32		0.500
Sodium, Dissolved	NE	NE	NE	5980		50.0	16.4		5.00
Thallium	0.002	0.00024	0.00047	< 0.00500		0.00500	< 0.00500		0.00500
Thallium, Dissolved	0.002	0.00024	0.00047	< 0.0500		0.0500	< 0.0500		0.0500
Vanadium	NE	NE	NE	< 0.0100		0.0100	< 0.0100		0.0100
Vanadium, Dissolved	NE	NE	NE	< 0.100		0.100	< 0.100		0.100
Zinc	NE	7.4	26	< 0.0250		0.0250	< 0.0250		0.0250
Zinc, Dissolved	NE	7.4	26	< 0.250		0.250	< 0.250		0.250
Mercury	0.002	0.000050	0.000051	< 0.000100		0.000100	< 0.000100		0.000100
Mercury, Dissolved	0.002	0.000050	0.000051	< 0.000100		0.000100	< 0.000100		0.000100
Chromium (VI)	0.1	NE	NE	0.00920	J HT3	0.00500		NA	

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in milligrams per liter.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58.
2. Water Quality Numeric Criteria for the Protection of Aquatic Life and Human Health for Consumption of Water & Organism obtained from SCDHEC R.61-68, Water Classifications & Standards dated June 22, 2012.
3. Water Quality Numeric Criteria for the Protection of Aquatic Life and Human Health for Consumption of Organism Only obtained from SCDHEC R.61-68, Water Classifications & Standards dated June 22, 2012.

"NE" indicates specific screening level not listed.

"NA" indicates specific parameter not analyzed.

"J" qualifier indicates analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

"B" qualifier indicates the compound was detected in the blank and sample.

"HT3" indicates the sample was received with insufficient holding time remaining for analysis to be performed within the method's holding time requirements.

**Table 27**  
**Summary of Surface Water Analytical Data - PCBs**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8082A	MCL <sup>(1)</sup>	Water & Organism <sup>(1)</sup>	Organism Only <sup>(2)</sup>	NWC2754-04 TRACT 35 SW-1 03/21/2012		
				Conc.	Qual	MDL
PCB-1016	0.5	0.000064	0.000064	< 0.248		0.248
PCB-1221	0.5	0.000064	0.000064	< 0.248		0.248
PCB-1232	0.5	0.000064	0.000064	< 0.248		0.248
PCB-1242	0.5	0.000064	0.000064	< 0.248		0.248
PCB-1248	0.5	0.000064	0.000064	< 0.248		0.248
PCB-1254	0.5	0.000064	0.000064	< 0.248		0.248
PCB-1260	0.5	0.000064	0.000064	< 0.248		0.248

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in micrograms per liter.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58.
2. Water Quality Numeric Criteria for the Protection of Aquatic Life and Human Health for Consumption of Water & Organism obtained from SCDHEC R.61-68, Water Classifications & Standards dated June 22, 2012.
3. Water Quality Numeric Criteria for the Protection of Aquatic Life and Human Health for Consumption of Organism Only obtained from SCDHEC R.61-68, Water Classifications & Standards dated June 22, 2012.

**Table 28**  
**Summary of Surface Water Analytical Data - Pesticides**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: WATER BY SW846 8081B	MCL <sup>(1)</sup>	Water & Organism <sup>(1)</sup>	Organism Only <sup>(2)</sup>	NWC2754-04 TRACT 35 SW-1 03/21/2012		
				Conc.	Qual	MDL
Aldrin	NE	0.000049	0.000050	< 0.0125		0.0125
delta-BHC	NE	NE	NE	< 0.0125		0.0125
alpha-BHC	NE	0.0026	0.0049	< 0.0125		0.0125
beta-BHC	NE	0.0091	0.017	< 0.0125		0.0125
gamma-BHC (Lindane)	0.2	0.98	1.8	< 0.0125		0.0125
alpha-Chlordane	NE	NE	NE	< 0.0125		0.0125
gamma-Chlordane	NE	NE	NE	< 0.0125		0.0125
Chlordane	2	0.00080	0.00081	< 0.962		0.962
4,4'-DDD	NE	0.00031	0.00031	< 0.0125		0.0125
4,4'-DDE	NE	0.00022	0.00022	< 0.0125		0.0125
4,4'-DDT	NE	0.00022	0.00022	< 0.0125		0.0125
Dieldrin	NE	0.000052	0.000054	< 0.0125		0.0125
Endosulfan I	NE	62	89	< 0.0125		0.0125
Endosulfan II	NE	62	89	< 0.0125		0.0125
Endosulfan sulfate	NE	62	89	< 0.0125		0.0125
Endrin	2	0.059	0.060	< 0.0125		0.0125
Endrin aldehyde	NE	0.29	0.30	< 0.0125		0.0125
Endrin ketone	NE	NE	NE	< 0.0125		0.0125
Heptachlor	0.4	0.000079	0.000079	< 0.0125		0.0125
Heptachlor epoxide	0.2	0.000039	0.000039	< 0.0125		0.0125
Methoxychlor	40	NE	NE	< 0.0125		0.0125
Toxaphene	3	0.00028	0.00028	< 0.962		0.962

Notes:

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

Results are in micrograms per liter.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58.
2. Water Quality Numeric Criteria for the Protection of Aquatic Life and Human Health for Consumption of Water & Organism obtained from SCDHEC R.61-68, Water Classifications & Standards dated June 22, 2012.
3. Water Quality Numeric Criteria for the Protection of Aquatic Life and Human Health for Consumption of Organism Only obtained from SCDHEC R.61-68, Water Classifications & Standards dated June 22, 2012.

"NE" indicates specific screening level not listed.



**Table 29**  
**Summary of Surface Water Analytical Data - Dioxins/Furans**  
**Port Access Road; North Charleston, South Carolina**  
**S&ME Project Number 1131-08-554**

Lab ID: Sample ID: Date Sampled: <b>WATER BY SW846 8290A</b>	MCL <sup>(1)</sup>	Water & Organism <sup>(2)</sup>	Organism Only <sup>(3)</sup>	H2C020432-008		
				Tract 37 SW-1		
				2/29/2012		
				Result	Qual	EDL
2,3,7,8-TCDD	30	NE	0.046	ND		2.7
1,2,3,7,8-PeCDD	NE	NE	NE	ND		1.5
1,2,3,4,7,8-HxCDD	NE	NE	NE	ND		1.1
1,2,3,6,7,8-HxCDD	NE	NE	NE	ND		1.2
1,2,3,7,8,9-HxCDD	NE	NE	NE	ND		1.1
1,2,3,4,6,7,8-HpCDD	NE	NE	NE	5.2	J	1.9
OCDD	NE	NE	NE	17	B, J	1.4
2,3,7,8-TCDF	NE	NE	NE	ND		1.7
1,2,3,7,8-PeCDF	NE	NE	NE	ND		1
2,3,4,7,8-PeCDF	NE	NE	NE	ND		1
1,2,3,4,7,8-HxCDF	NE	NE	NE	ND		0.72
1,2,3,6,7,8-HxCDF	NE	NE	NE	ND		0.68
2,3,4,6,7,8-HxCDF	NE	NE	NE	ND		0.79
1,2,3,7,8,9-HxCDF	NE	NE	NE	ND		0.76
1,2,3,4,6,7,8-HpCDF	NE	NE	NE	ND		1.0
1,2,3,4,7,8,9-HpCDF	NE	NE	NE	ND		1.4
OCDF	NE	NE	NE	ND		1.5
Total TEQ (WHO 2005)	30	NE	0.046			<b>5.4</b>

Notes:

Results are in picograms per liter (pg/L).

Gray highlight indicates the parameter was not detected above laboratory method detection limit (MDL), but the MDL exceeds one or more of the screening values.

1. Maximum Contaminant Level for drinking water as set forth in the South Carolina Primary Drinking Water Regulations, R.61-58.
  2. Water Quality Numeric Criteria for the Protection of Aquatic Life and Human Health for Consumption of Water & Organism obtained from SCDHEC R.61-68, Water Classifications & Standards dated June 22, 2012.
  3. Water Quality Numeric Criteria for the Protection of Aquatic Life and Human Health for Consumption of Organism Only obtained from SCDHEC R.61-68, Water Classifications & Standards dated June 22, 2012.
- "NE" indicates specific screening level not established.  
 "ND" indicates parameter analyzed but not detected above the laboratory MDL.  
 "J" qualifier indicates analyte detected at a level less than the Minimum Level and greater than or equal to the Estimated Detection Limit. Concentrations within this range are estimated.  
 "B" flag indicates the compound was detected in the blank and sample.

Screening Levels listed for Hexachlorodibenzo-p-dioxin, mixture in the SL Table are presented for for 1,2,3,6,7,8-HxCDD and 1,2,3,7,8,9-HxCDD.

## **APPENDIX I**

### SCDHEC MONITORING WELL APPROVALS AND NAVY DIG PERMIT



South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to: Mary Beth Cline/ S&ME  
on behalf of: Edward McClain/Calvary AME Church  
Facility: 2413 meeting Street Road  
Site Identification: 10-04941  
County: Charleston

This approval is for the installation of 2 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 11/7/11. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance:** 11/7/11

**Approval #:** 4378

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



November 7, 2011

Mr. Edward McClain  
Calvary AME Church  
2040 Groveland Ave  
Charleston, SC 29405

Re: Temporary Monitoring Well Approval Request received 11/7/11  
Charleston County Site ID: 10-04941

Dear Mr. McClain :

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 11/7/11. The original temporary monitoring well approval has been sent to Mary Beth Cline/S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 1/7/12. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 896-4061.

Sincerely,

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline – S&ME  
620 Wando Park Blvd – Mt Pleasant, SC 29464



South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to: Mary Beth Cline/ S&ME  
on behalf of: Loren Ziff/ 2533 Spruill Ave, LLC  
Facility: 2533 Spruill Ave  
Site Identification: 10-04942  
County: Charleston

This approval is for the installation of 4 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 11/7/11. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance:** 11/7/11

**Approval #:** 4379

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



November 7, 2011

Loren Ziff  
2533 Spruill Ave, LLc  
856 Lowcountry Blvd., Suite 101  
Mt. Pleasant, SC 29464

Re: Temporary Monitoring Well Approval Request received 11/7/11  
Charleston County Site ID: 10-04942

Dear Ms. Ziff :

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 11/7/11. The original temporary monitoring well approval has been sent to Mary Beth Cline/S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 1/7/12. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 896-4061.

Sincerely,

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline – S&ME  
620 Wando Park Blvd – Mt Pleasant, SC 29464



South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to: Mary Beth Cline/ S&ME  
on behalf of: Michael Jennings  
Facility: 2118 Spruill Ave  
Site Identification: 10-04943  
County: Charleston

This approval is for the installation of 4 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 11/7/11. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance:** 11/7/11

**Approval #: 4380**

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



November 7, 2011

Michael Jennings  
2026 Meeting Street Road  
Charleston, SC 29405

Re: Temporary Monitoring Well Approval Request received 11/7/11  
Charleston County Site ID: 10-04943

Dear Mr. Jennings:

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 11/7/11. The original temporary monitoring well approval has been sent to Mary Beth Cline/S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 1/7/12. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 896-4061.

Sincerely,

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline – S&ME  
620 Wando Park Blvd – Mt Pleasant, SC 29464





South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to: Mary Beth Cline/ S&ME  
on behalf of: William Aldret/ CC&A Rentals, LLC  
Facility: 2111 Meeting Street Road  
Site Identification: 10-04944  
County: Charleston

This approval is for the installation of 6 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 11/7/11. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance:** 11/7/11

**Approval #:** 4381

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



November 7, 2011

William Aldret  
CC&A Rentals, LLC  
2019-C Cherry Hill Lane  
Charleston, SC 29405

Re: Temporary Monitoring Well Approval Request received 11/7/11  
Charleston County Site ID: 10-04944

Dear Mr. Jennings:

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 11/7/11. The original temporary monitoring well approval has been sent to Mary Beth Cline/S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 1/7/12. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 896-4061.

Sincerely,

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline – S&ME  
620 Wando Park Blvd – Mt Pleasant, SC 29464



South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to: Mary Beth Cline/ S&ME  
on behalf of: Dept of Homeland Security/ Melissa Shearer  
Facility: Charleston Naval Complex  
Site Identification: 10-04945  
County: Charleston

This approval is for the installation of 20 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 11/7/11. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance:** 11/7/11

**Approval #:** 4382

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



November 7, 2011

Melissa Shearer  
Dept of Homeland Security  
2000 Bainbridge Ave., Bldg 1  
N Charleston, SC 29405

Re: Temporary Monitoring Well Approval Request received 11/7/11  
Charleston County Site ID: 10-04945

Dear Ms. Shearer:

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 11/7/11. The original temporary monitoring well approval has been sent to Mary Beth Cline/S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 1/7/12. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 896-4061.

Sincerely,

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline – S&ME  
620 Wando Park Blvd – Mt Pleasant, SC 29464



South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to:  
on behalf of:  
Facility:  
Site Identification:  
County:

Mary Beth Cline/ S&ME  
Frederick Fabian/Fabian Properties, LP  
Meeting Street Road  
10-04946  
Charleston

This approval is for the installation of 2 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 11/7/11. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance:** 11/7/11

**Approval #:** 4383

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



November 7, 2011

Frederick Fabian  
Fabian Properties, LP  
P O Box 1045  
Mt. Pleasant, SC 29465

Re: Temporary Monitoring Well Approval Request received 11/7/11  
Charleston County Site ID: 10-04946

Dear Ms. Shearer:

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 11/7/11. The original temporary monitoring well approval has been sent to Mary Beth Cline/S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 1/7/12. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 896-4061.

Sincerely,

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline – S&ME  
620 Wando Park Blvd – Mt Pleasant, SC 29464



South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to: Mary Beth Cline, PE/ S&ME  
on behalf of: Chris Gaskins/ SCDOT  
Facility: Spruill Ave and Stromboli Ave  
Site Identification: 10-04979  
County: Charleston

This approval is for the installation of 28 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 12/8/11. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance:** 12/8/11

**Approval #:** 4422

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



December 8, 2011

Chris Gaskins  
SCDOT  
P O Box 191  
Columbia, SC 29202

Re: Temporary Monitoring Well Approval Request received 12/8/11  
Charleston County Site ID: 10-04979

Dear Mr. Gaskins:

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 12/8/11. The original temporary monitoring well approval has been sent to Mary Beth Cline, PE/ S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 2/8/12. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 896-4061.

Sincerely,

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline, PE – S&ME  
620 Wando Park Blvd – Mt Pleasant, SC 29464





South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to: Mary Beth Cline/S&ME  
on behalf of: Chris Gaskins/SCDOT  
Facility: 2128 Spruill Ave  
Site Identification: 10-05003  
County: Charleston

This approval is for the installation of 4 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 1/24/12. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance:** 1/24/12

**Approval #:** 4447

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



January 24, 2012

Chris Gaskins  
SCDOT  
P O Box 191  
Columbia, SC 29202

Re: Temporary Monitoring Well Approval Request received 1/24/12  
Charleston County Site ID: 10-05003

Dear Mr. Gaskins :

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 1/24/12. The original temporary monitoring well approval has been sent to Mary Beth Cline/S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 3/24/12. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 896-4061.

Sincerely,

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline, PE/S&ME  
620 Wando Park Blvd – Mt Pleasant, SC 29464



South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to: Mary Beth Cline, PE/S&ME  
on behalf of: Chris Gaskins/SCDOT  
Facility: 1801 Shipyard Creek Rd  
Site Identification: 10-05022  
County: Charleston

This approval is for the installation of 9 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 2/21/12. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance:** 2/21/12

**Approval #:** 4471

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



February 21, 2012

Mr. Chris Gaskins  
SCDOT  
P O Box 191  
Columbia, SC 29202

Re: Temporary Monitoring Well Approval Request received 2/21/12  
Charleston County Site ID: 10-05022

Dear Mr. Gaskins:

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 2/21/12. The original temporary monitoring well approval has been sent to Mary Beth Cline, PE/S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 4/21/12. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 896-4061.

Sincerely,

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline, PE- S&ME  
620 Wando Park Blvd – Mt. Pleasant, SC 29464



South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to: Mary Beth Cline, PE/S&ME  
on behalf of: Chris Gaskins/SCDOT  
Facility: I-26 at Meeting & 2635 at Carner  
Site Identification: 10-05024  
County: Charleston

This approval is for the installation of 9 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 2/21/12. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance:** 2/21/12

**Approval #:** 4473

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



February 21, 2012

Mr. Chris Gaskins  
SCDOT  
P O Box 191  
Columbia, SC 29202

Re: Temporary Monitoring Well Approval Request received 2/21/12  
Charleston County Site ID: 10-05024

Dear Mr. Gaskins:

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 2/21/12. The original temporary monitoring well approval has been sent to Mary Beth Cline, PE/S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 4/21/12. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 896-4061.

Sincerely,

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline, PE- S&ME  
620 Wando Park Blvd – Mt. Pleasant, SC 29464



South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to: Mary Beth Cline, PE/S&ME  
on behalf of: Chris Gaskins/SCDOT  
Facility: 2031 King Street Ext  
Site Identification: 18396  
County: Charleston

This approval is for the installation of 6 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 9/30/13. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance:** 10/1/13

**Approval #:** MW-09341

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



October 1, 2013

Chris Gaskins  
SCDOT  
P O Box 191  
Columbia, SC 29202

Re: Temporary Monitoring Well Approval Request received 9/30/13  
Charleston County Site ID: 18396

Dear Mr Gaskins :

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 9/30/13. The original temporary monitoring well approval has been sent to Mary Beth Cline, PE/S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 11/30/13. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 898-0802.

Sincerely,

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline, PE – S&ME  
620 Wando Park Blvd – Mt Pleasant, SC 29464





South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to: Mary Beth Cline, PE/S&ME  
on behalf of: Shipyard Creek Associates  
Facility: Pittsburg Ave  
Site Identification: 18397  
County: Charleston

This approval is for the installation of 18 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 10/1/13. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

**Please be advised that the Macalloy Site is on the National Pollutant List and is a Superfund site. Known Chemicals of Concern (COCs) that were found at the site are, Hexavalent Chromium, Arsenic, Copper, Lead, Zinc, Radium 226, Thorium 232, Potassium 40, and Uranium 235. Hexavalent Chromium and Arsenic are still present in the groundwater. Based on reports submitted to the Department all other COCs in the soil have been removed, the radiation that was found at the site was found in the former concentrator area on the southwest part of the property. The site is under remediation and is treating Hexavalent Chromium in the groundwater by injection of Sodium Dithionite and Ferrous Sulfate near the areas of the proposed drilling.**

**All derived waste from drilling, protective equipment, soil cuttings, and groundwater, should be stored in appropriate containers until lab results have been received to ensure proper disposal of the generated waste. Waste containers must be labeled and removed from the site within 30 days of the generated date.**

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance: 10/1/13**

**Approval #: MW-09343**

A handwritten signature in black ink, appearing to read "Jonathan G. McInnis". The signature is written in a cursive, flowing style.

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



October 1, 2013

Shipyards Creek Associates  
c/o CCT, Inc  
1601 Oceanic St  
Charleston, SC 29405

Re: Temporary Monitoring Well Approval Request received 10/1/13  
Charleston County Site ID: 18397

Dear Shipyards Creek Associates:

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 10/1/13. The original temporary monitoring well approval has been sent to Mary Beth Cline, PE/S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 11/30/13. Please note the following:

**Please be advised that the Macalloy Site is on the National Pollutant List and is a Superfund site. Known Chemicals of Concern (COCs) that were found at the site are, Hexavalent Chromium, Arsenic, Copper, Lead, Zinc, Radium 226, Thorium 232, Potassium 40, and Uranium 235. Hexavalent Chromium and Arsenic are still present in the groundwater. Based on reports submitted to the Department all other COCs in the soil have been removed, the radiation that was found at the site was found in the former concentrator area on the southwest part of the property. The site is under remediation and is treating Hexavalent Chromium in the groundwater by injection of Sodium Dithionite and Ferrous Sulfate near the areas of the proposed drilling.**

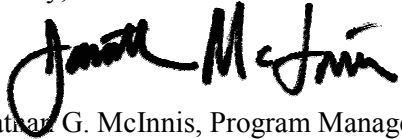
**All derived waste from drilling, protective equipment, soil cuttings, and groundwater, should be stored in appropriate containers until lab results have been received to ensure proper disposal of the generated waste. Waste containers must be labeled and removed from the site within 30 days of the generated date.**

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program

offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 898-0802.

Sincerely,

A handwritten signature in black ink, appearing to read "Jonathan G. McInnis". The signature is fluid and cursive, with the first name "Jonathan" written in a larger, more prominent script than the last name "McInnis".

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline, PE – S&ME  
620 Wando Park Blvd  
Mt Pleasant, SC 29464



South Carolina Department of Health  
and Environmental Control

## Temporary Monitoring Well Approval

Approval is hereby granted to:  
on behalf of:  
Facility:  
County:

Mary Beth Cline, PE/S&ME  
Jeffrey Lang  
2151 King St Extention  
Charleston

This approval is for the installation of 18 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 11/4/14. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance:** 11/4/14

**Approval #:** MW-09869

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment  
Site Assessment Remediation & Revitalization Division  
Bureau of Land & Waste Management



November 4, 2014

Jeffrey Lang  
8 Cedar Brook Dr  
Cranbury, NJ 08512

Re: Temporary Monitoring Well Approval Request received 11/4/14  
Charleston County Well ID: MW-09869

Dear Mr Lang :

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted 11/4/14. The original temporary monitoring well approval has been sent to Mary Beth Cline, PE/S&ME, Inc. and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention on or before 1/4/15. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).
- If this investigation is conducted as part of a potential real estate transaction, the potential purchaser may want to contact SCDHEC's Brownfields Program before this work is performed. The Brownfields Program offers a mechanism to avoid liability for contamination that may be found during this investigation. The investigation proposed may satisfy part or all of the required assessment if pre-approved by the Brownfields Program. The Brownfields Program may be reached at 1-866-576-3432.

If you have any questions, please contact me at (803) 898-0802.

Sincerely,

Jonathan G. McInnis, Program Manager  
Federal & State Site Assessment Section

enc: Monitor well approval

cc: SCDHEC EQC Region  
Mary Beth Cline, PE – S&ME, Inc  
620 Wando Park Blvd  
Mt Pleasant, SC 29464

## CHARLESTON NAVAL COMPLEX LUC AREA CONSTRUCTION PERMIT

GENERAL INFORMATION:		
Requestor: SC Department of Transportation	Location: (Include Bldg Nos. and Streets) Bldg #661/Bainbridge Av/Tidewater Rd/Holland St	Date of Request: 08.19.11
Contractor: S&ME, Inc.	Subcontractors: Mid Atlantic Drilling	SWMUs/AOCs Impacted: SWMU #9 & 196, AOC #690
PROPOSED WORK:		
Scope of Work: (Attach sketches, drawings & information outlined in Process to Conduct Construction Activities Document)		
Proposed scope of work will consist of performing preliminary environmental assessment. This task will include performing borings for the purpose of collecting soil and groundwater samples. Please see the attached boring location map and sample collection method description.		
Construction Schedule (planned start date - planned completion date): 09.12.11 - 12.31.11		
LAND USE CONTROLS:		
Current Land Use Controls on Construction Area: Groundwater Use Restriction, Use Restriction, Digging Excavation Restriction, & Engineering Controls		
Frequency and Date of Next LUC Inspection for Construction Area: Semi-Annual		
Potential Effect of Proposed Construction on LUCs: Borings in areas of LUCs.		
CERTIFICATIONS:		
As a representative of the property owner of the subject property, I hereby certify that: (check all that apply)		
<input checked="" type="checkbox"/> 1. I possess an updated copy of the CNC LUC Areas Map and Interim Measures Work Plan.		
<input checked="" type="checkbox"/> 2. I acknowledge that residual contamination exists on the subject property and am aware that further information on site contaminants can be found in the Administrative Record located at Bldg 7, 1330 Truxton Ave, Suite 300.		
<input checked="" type="checkbox"/> 3. Information regarding SWMUs/AOCs, and contaminants will be provided to all contractors and subcontractors. Contractor and subcontractor representatives to sign below signifying receipt of information.		
S&ME, Inc. <i>Mary Beth Cline / Mary Beth Cline</i> 08.23.11		
Contractor Mid Atlantic Drilling	Name/Signature <i>Jennifer A Stewart</i>	Date 8/22/11
Sub-Contractor	Name/Signature	Date
<input checked="" type="checkbox"/> 4. The proposed construction will not change the land use (i.e., from industrial to residential)		
<input checked="" type="checkbox"/> 5. Personnel hazards will be controlled where construction activities have the potential to interfere with existing remedies. Exposure controls such as PPE, exclusion zones, etc. will be utilized.		
<input checked="" type="checkbox"/> 6. Dewatering will not affect migration of contaminants, and water under groundwater use restriction will be tested and properly disposed.		
<input checked="" type="checkbox"/> 7. Excess soil under digging restriction will be tested and properly disposed.		
<input checked="" type="checkbox"/> 8. Exposure assumptions used in deriving LUCs will not be altered.		
<input type="checkbox"/> 9. Impacts to the remedy as a result of construction activities will be monitored (i.e., groundwater flow direction, vertical migration of residual contamination, and potential for migration to indoor air.)		
<input checked="" type="checkbox"/> 10. Any previously unknown contamination will be reported immediately to the Navy (within 7 days of discovery).		
Printed Name & Signature of Requesting Official		Property Representing & Phone Number:
		Date:
NAVY REVIEW:		
<input type="checkbox"/> Requestor *Authorized to Proceed	Signatures: <i>Arthur Sanford</i> Navy RPM/BEC CH2M-Hill	Serial No: 247
<input type="checkbox"/> Further Information is Requested		Date: 9-2-2011
<input type="checkbox"/> Permit Denied		
<input checked="" type="checkbox"/> Comments attached		
*Authorization to proceed does not constitute approval of methods by which environmental, safety, and other regulations are satisfied.		

## **INFORMATION FOR DIG PERMIT REQUEST**

The South Carolina Department of Transportation (SCDOT) is planning an environmental exploration for a new Port Access Road that will extend from Interstate 26 to the proposed Marine Container Terminal on the former Charleston Naval Complex (CNC) in Charleston, South Carolina. This planned environmental exploration consists of performing field sampling and laboratory testing of various media including soil and groundwater. The proposed sample locations will be positioned at specific points along the proposed Port Access Road alignment. S&ME, Inc. (S&ME) will be conducting the environmental assessment for the SCDOT.

Five soil boring / groundwater monitoring well locations are planned within the property of the former CNC. S&ME will collect soil and groundwater from each of the five boring locations shown on the attached Figure 1. S&ME will also collect surface water and sediment from Shipyard Creek in the approximate locations shown on the attached Figure 1.

### **Sampling Methods**

Sampling and analytical work conducted at the property will be performed in accordance with the SCDHEC's and the EPA Region IV Field Branches Quality System and Technical Procedures (FBQSTP) to the extent detailed in each task activity described below. Sampling equipment in direct contact with samples will be constructed of glass, stainless-steel, or Teflon® and handled by an environmental technician and/or professional donning nitrile gloves.

### **Decontamination Procedures**

To lessen the potential for cross-contamination between sample locations due to the use of sample collection equipment, S&ME will perform field decontamination during the sample collection activity, as necessary. A temporary decontamination area will be constructed on the subject property near Building 661 (or other designated area). The decontamination area will include wash and rinse buckets and/or an area constructed with a small berm (of straw bales, pipes, etc.) lined with plastic sheeting constructed in a manner to allow water to drain to a central collection point. The collected liquid and solid waste will be combined with other investigative derived waste (IDW), and placed in plastic 55-gallon drums, appropriately labeled, and staged on-site to await proper disposal.

Sampling equipment brought to the property will be previously decontaminated per the EPA's FBQSTP. As necessary (after sampling equipment has been used in the field), the field decontamination procedure for sampling equipment will follow the protocol established in the FBQSTP. Following field decontamination, each piece of sampling equipment will be used immediately or wrapped in aluminum foil for later use.

As necessary, items of down-hole drilling equipment (hollow stem augers, drill rods, etc.) will be decontaminated prior to mobilization to the work area. After down-hole drilling equipment has



been utilized in the field (i.e., following each well installation), the field decontamination procedure for down-hole drilling equipment will consist of steam (or high-pressure hot water) cleaning followed by a tap water rinse. The cleaned equipment will be allowed to air dry on a stable rack at least two feet above the ground surface and covered with clean plastic while awaiting set-up of the next sampling location.

### **Soil and Sediment Quality Assessment**

S&ME will collect and analyze soil and sediment samples from selected boring locations. From each boring, S&ME will collect soil samples per the USEPA Technical Procedure SESDPROC-300-R1 to the extent detailed below. S&ME plans to subcontract a portion of the drilling activity to Mid-Atlantic Drilling (MAD).

Continuous samples will be collected from the ground surface to the termination depth of the borings (top of the Cooper Marl) for direct observations and field screening of soils. The specific depth interval(s) selected for laboratory analysis will depend on the results of on-site screening (with a Toxic Vapor Analyzer (TVA) or other appropriate method) and direct observations.

At each of the borings, samples will be collected as discrete samples for subsequent laboratory analysis using direct push sampling technology. New disposable sampling sleeves will be used for direct push sample collection. Soil and sediment samples will be placed in laboratory supplied containers, stored in an iced cooler and submitted with chain-of-custody documentation to an SCDHEC-certified analytical laboratory for analysis of the following chemicals of concern:

- Target Compound List (TCL) Volatile Organic Compounds (VOC) by SW-846 Method 8260B;
- TCL Semi-Volatile Organic Compounds (SVOC) by SW-846 Method 8270D;
- Target Analyte List (TAL) Metals by SW-846 Methods 6010C and 7471A for mercury;
- TCL Pesticides by SW-846 Method 8081B; and,
- TCL Polychlorinated Biphenyls (PCBs) by SW-846 Method 8082A.

We will collect and ship additional soil and sediment sample volume to the laboratory. If the initial laboratory results indicate additional disposal characterization is needed, the additional sample volume will be analyzed for:

- Toxicity Characteristic Leaching Procedure (TCLP) VOCs and TCLP Metals by SW-846 Extraction Method 1311
- Reactivity (releasable cyanide and sulfide) by Methods SW7.3.3.2 and SW7.3.4.2, respectively;
- Corrosivity by SW-846 Method 9040; and,
- Ignitability by SW-846 Method 1030.

If additional characterization is not needed, the additional sample volume will be discarded by the laboratory.

Soil borings 5 feet and shallower will be abandoned by backfilling with native fill material. Soil borings deeper than 5 feet will be abandoned by filling the boring with bentonite-cement, neat cement, or 20% high solids, sodium bentonite grout. Soil cuttings generated from borings will be containerized in a plastic, 55-gallon drum as IDW. The drum will be labeled according to content, sampling media, location and date generated. Disposal of IDW will be based on the results of the sample analyses.

### **Groundwater and Surface Water Quality Assessment**

S&ME will apply for approval from SCDHEC to install temporary groundwater monitoring wells on the subject property. In accordance with SCDHEC requirements, the current property owner's name, address, telephone number, and point of contact will be submitted. A condition of a well installation approval requires collected data to be provided to the SCDHEC. A copy of the monitoring well approval request is attached for your review and approval for submittal.

Sampling equipment in direct contact with groundwater samples will be constructed of decontaminated stainless steel, Teflon<sup>®</sup>, or clean disposable bailers and handled by a gloved environmental technician and/or professional. A South Carolina Certified Well Driller will perform or supervise well drilling and abandonment activities and the wells will be constructed and abandoned in compliance with South Carolina Well Standards (R. 61-71). Following the collection of groundwater samples from the temporary wells, the wells will be properly abandoned by inserting a tremie pipe into the boring and grouting it from the bottom up with bentonite-cement, neat cement, or 20% high solids, sodium bentonite grout.

Temporary wells will be installed in each of the borings for the purpose of collecting groundwater from the top of the local water table in approximate 15-foot intervals to the top of the Cooper Marl formation. The temporary wells will also be installed using a direct push sampling rig. The temporary wells will be constructed of 4 feet of 1.0-inch diameter slotted stainless-steel screen (0.010-inch) and 1.5-inch diameter steel casing from the top of the screen to the ground surface.

Interval groundwater samples from each temporary well will be collected from the direct push down-hole technology at approximately 15-foot intervals to termination (the top of the Cooper Marl) using a peristaltic pump (or a stainless steel check valve) and tubing. Collected groundwater samples will be field screened using the TVA and/or detector tubes (for the presence of perchloroethylene). A shallow (water table) sample will be collected from each boring. Based on the field screening results, an additional interval sample of groundwater from each well may be submitted for laboratory analysis. Selected groundwater samples will be carefully poured into laboratory-supplied containers from the temporary wells. Surface water samples will be collected directly into laboratory-supplied containers. Groundwater and surface water samples will be placed in an iced cooler and submitted with chain-of-custody documentation to an SCDHEC-certified laboratory for analysis of the following chemicals of concern:



- TCL VOC by SW-846 Method 8260B;
- TCL SVOC by SW-846 Method 8270D;
- Total TAL Metals by SW-846 Method 6010C and 7470A for mercury;
- Filtered TAL Metals by SW-846 Method 6010C and 7470A for mercury (filtered samples will be filtered by the laboratory using a 0.45 micron filter);
- TCL Pesticides by SW-846 Method 8081B; and,
- TCL PCBs by SW-846 Method 8082A.

The rationale for filtered metal analysis is to observe the total metal concentrations and be able to evaluate potential influence from sediment on metal concentrations.

Decontamination and purge water from well installation and sampling activities will be collected in a 55-gallon drum and staged on-site as IDW to await proper disposal by the SCDOT at a later date. The drum will be labeled according to content, sampling media, location and date generated. Disposal of IDW will be based on the results of the sample analyses.



LEGEND

-  PROPOSED TEMPORARY MONITORING WELL LOCATION
-  PROPOSED SURFACE WATER AND SEDIMENT SAMPLING LOCATION



Source: South Carolina Department of Transportation

**PROPOSED SAMPLING LOCATIONS  
CHARLESTON NAVAL COMPLEX**

PORT ACCESS ROAD  
NORTH CHARLESTON, SOUTH CAROLINA



ENGINEERING · TESTING · ENVIRONMENTAL SERVICES

SCALE: AS SHOWN	DRAWN BY: LAJ
PROJECT NO. 1131-08-554	APPROVED BY: MEC
DATE: 8-23-11	FIGURE NO. 1

## **TEMPORARY MONITORING WELL APPROVAL REQUEST**

August 24, 2011

South Carolina Department of  
Health and Environmental Control  
Bureau of Land and Waste Management  
2600 Bull Street  
Columbia, South Carolina 29201

Attention: Mr. Jonathan McInnis

**Reference: Temporary Monitoring Well Approval Request**  
Charleston Naval Complex  
Tidewater Road  
Charleston County, South Carolina  
S&ME Project No. 1131-08-554

Dear Mr. McInnis:

S&ME, Inc. (S&ME), on behalf of the South Carolina Department of Transportation (SCDOT), respectfully requests permission to install shallow and deep temporary groundwater monitoring wells near Tidewater Road on the Charleston Naval Complex (CNC) in North Charleston, South Carolina (subject property). The South Carolina Department of Health and Environmental Control (SCDHEC) Monitoring Well Application (DHEC 3736) is attached. Proposed sampling locations are provided shown on Figure 1.

The proposed sampling locations are intended to obtain additional information about the soil and groundwater in the construction area of the future road that will connect the proposed Marine Container Terminal at the CNC to Interstate 26. The borings are within the footprint or near combined solid waste management unit (SWMU) 9, SWMU 196, and area of concern (AOC) 690. We understand there are multiple land use controls (LUC) in the area including groundwater use restriction, use restriction, digging excavation restriction, and engineering controls. S&ME will obtain approval (i.e., *CNC LUC Area Construction Permit*) for planned work from the CNC.

Contact information for the property owner representative is below.

Department of Homeland Security  
Attention: Ms. Melissa Shearer, Environmental Safety Manager  
2000 Bainbridge Avenue  
Building 1  
North Charleston, South Carolina 29405  
p: 843.566.8511

The five boring locations may be adjusted in the field depending on site conditions and utility locations. The shallow temporary groundwater monitoring wells will be installed using a hand auger or direct push methods to depths of approximately 10 feet below ground surface (bgs). The deep temporary groundwater monitoring wells will be installed at field determined intervals for field screening using direct push methods to depths of approximately 30-70 feet bgs. A sample will be collected for laboratory analysis from a deep interval depending on direct observations and field screening results. Soil and groundwater will be collected from each boring for laboratory analysis. These borings will be advanced and abandoned by a South Carolina certified well driller in compliance with South Carolina Well Regulations and Standards (R. 61-71). Typical temporary monitoring well construction details are attached as Figure 2.

Soil and groundwater collected from the temporary groundwater monitoring wells will be submitted to a SCDHEC certified laboratory for analysis. The samples will be analyzed for: Target Compound List (TCL) volatile organic compounds (VOCs) by SW-846 Method 8260B; TCL semivolatile organic compounds (SVOCs) by SW-846 Method 8270D; Target Analyte List (TAL) Metals by SW-846 Methods 6010C and 7471B/7470A - water samples collected for metals analysis will be analyzed for total (unfiltered) and dissolved (filtered) metals; TCL Pesticides by SW-846 Method 8081B; and, TCL Polychlorinated Biphenyls (PCBs) by SW-846 Method 8082A. An additional soil sample volume will be sent to the laboratory. If the initial laboratory results indicate additional disposal characterization is needed, the additional sample volume will be analyzed for: Toxicity Characteristic Leaching Procedure (TCLP) VOCs and TCLP Metals by SW-846 Extraction Method 1311; Reactivity by Methods SW7.3.3.2 and SW7.3.4.2; Corrosivity by SW-846 Method 9040; and, Ignitability by SW-846 Method 1030.

We have tentatively scheduled drilling for after the week of September 12, 2011. We anticipate two to four days will be needed to advance the borings, collect the samples, and abandon the borings. This schedule is dependant on the weather and on-site groundwater conditions. A completed Water Well Record (Form 1903) and any received laboratory analytical data will be forwarded to you approximately four weeks after collection. Additional time may be needed for formal report submittal as the proposed roadway traverses many properties and access is not expected to be concurrent.

We appreciate your cooperation on this request and look forward to your approval letter. If you have any questions or need additional information, please do not hesitate to contact us at 843.884.0005.

Sincerely,

**S&ME, Inc.**

Mary Beth Cline, P.E.  
Project Engineer  
[mcline@smeinc.com](mailto:mcline@smeinc.com)

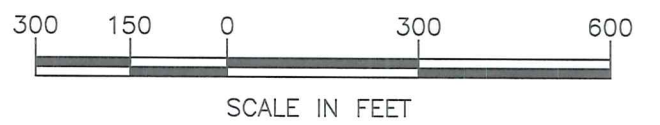
Chuck Black, P.E., LEED AP  
Senior Environmental Engineer  
[cblack@smeinc.com](mailto:cblack@smeinc.com)

Attachments: Monitoring Well Application (DHEC 3736)  
Figures



LEGEND

 PROPOSED TEMPORARY MONITORING WELL LOCATION



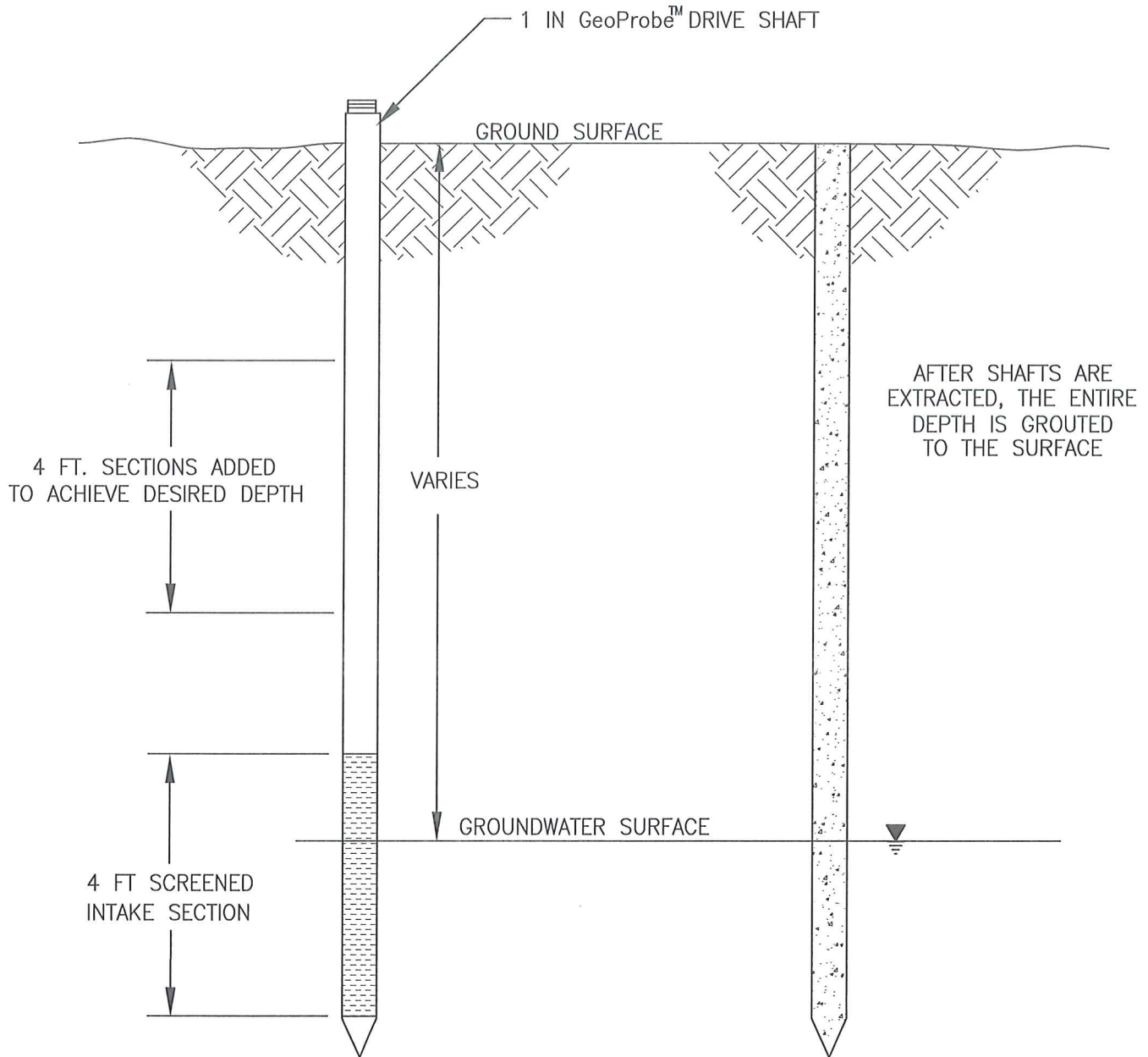
Source: South Carolina Department of Transportation

**PROPOSED SAMPLING LOCATIONS  
CHARLESTON NAVAL COMPLEX**  
PORT ACCESS ROAD  
NORTH CHARLESTON, SOUTH CAROLINA



SCALE: AS SHOWN	DRAWN BY: LAJ
PROJECT NO. 1131-08-554	APPROVED BY: MEC
DATE: 6-10-11	FIGURE NO. 1





SCALE: AS SHOWN

CHECKED BY: MEC

DRAWN BY: LAJ

DATE: 8-16-11



**S&ME**

ENGINEERING · TESTING  
ENVIRONMENTAL SERVICES

GeoProbe™ Installation  
and Abandonment Detail

JOB NO:

1131-08-554

FIGURE NO.

2

# BRAC PROGRAM MANAGEMENT OFFICE

## DIG PERMIT - COMMENTS

BPMO Log Number: 247

Request Date: August 24, 2011

Comments Date: September 2, 2011

Location: Shipyard Creek at SWMU 9.

Description: An environmental assessment for the planned construction of a new road that will connect the proposed Marine Container Terminal at the CNC to Interstate 26. Soil borings and temporary monitoring wells are proposed and these locations are on the periphery or just outside the boundaries of SWMU 9.

### **Environmental conditions**

The Navy reminds S&ME that there are groundwater use and digging restrictions at the project location, specifically an environmental site known as Combined Solid Waste Management Unit (SWMU) 9. This covers a large area with multiple environmental sites including several SWMUs and Areas of Concern (AOC). Surface soils at these sites contain known contaminants' including semi-volatile organic compounds (SVOC) polychlorinated biphenyl (PCBs) and metals. Groundwater contains known contaminants including volatile organic compounds (VOCs), SVOCs and metals. In addition active monitoring wells may be encountered in and around the proposed site. A one foot (minimum) soil cover has been installed atop SW MU 9. However landfill debris may be encountered during clearing, grubbing, regarding, post digging and other related excavations.

### **Environmental precautions**

Site workers and visitors including contractor and subcontractor Personnel shall take necessary precautions to minimize dermal exposure with soils excavated and with any groundwater encountered at this location. If contamination is discovered during the course of excavating, digging, probing or any other intrusive activity whether contamination is expected or not, work should be stopped and the BRAC PMO office notified. Any soil that exhibits an unexpected odor is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification. S&ME shall remain clear of any monitoring wells that might be encountered. Many wells remain at this site and are actively sampled. Damaged wells must be repaired and or replaced at the expense of S&ME and with Navy, SCDHEC, and CH2MHill concurrence. If you have questions or concerns about the above comments, please contact Art Sanford at the BRAC PMO SE office at 843-743-2135, or by email [art.sanford@navy.mil](mailto:art.sanford@navy.mil) or David Criswell at 843-743-2130 or [david.criswell@navy.mil](mailto:david.criswell@navy.mil)

## **APPENDIX II**

### SOIL BORING LOGS

# DIRECT PUSH SOIL LOG Tract 1 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **6 feet BLS at TOB**

DATE COMPLETED: **2/28/12**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810D)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **60 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	0.59	0		Tan Brown Silty Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
	2	4.96			White and Black Silty Fine to Medium SAND	
	2	32	5		Black Silty Fine to Medium SAND	
	2	160			Black Fine to Medium Sandy SILT	
	2	36.55	10		Tan Gray Silty Fine to Medium SAND	
	2	22.82				
	2	0.24	15			
	2	0.57				
	4	0.32	20		No Recovery	
	1	0.44	25		Shell Hash	
	2	27.5		Gray Clayey SILT	Soil sample collected from 36 - 40 feet BLS for laboratory analysis.	
	2	84.61	30	Gray Silty CLAY with Shell		
	2	203				
	2	122	35			
	2	182				
	2	256	40			
	2	190				
	2	119	45			
	2	47				
	2	255.32	50			
	2	138				
	2	230	55			
	2	Non-detect				
	2	160				
	2	13				
	2	Non-detect				
	2	221				
			60		Soil sample refusal at 60 feet BLS. Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



## DIRECT PUSH SOIL LOG Tract 1 SB-1

# DIRECT PUSH SOIL LOG Tract 1 SB-2

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **6 feet BLS at TOB**

DATE COMPLETED: **2/28/12**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810D)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **70 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	Non-detect	0		Brown Silty Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
	2	3.34			Gray black Silty Fine SAND	
	2	2.73	5			
	2	1.55			Brown and Gray Fine Sandy CLAY	
	2	1.68			Light Gray Clayey Fine to Medium SAND	
	2	4.18	10			
	2	3.27			Light Gray Fine to Medium SAND	
	2	3.52	15			
	2	2.07			Gray Silty Fine SAND with Shell Hash	
	2	0.63	20			
	2	53.37			Gray Fine Sandy SILT	Soil sample collected from 50 - 54 feet BLS for laboratory analysis.
	2	163			Gray Shell Hash	
	2	207.95	25			
	2	77.14			Gray Silty CLAY	
	2	23.42			Gray Silty Fine to Medium SAND	
	2	3.06	30			
	2	93.17			Gray Shell Hash	
	2	114	35			
	2	308			Gray Silty CLAY	
	2	510	40			
	2	325	45			
	2	249				
	2	140	50			
	2	197				
	2	35	55			
	2	398				
	2	408	60			
	2	Non-detect			Gray Silty Fine to Medium SAND with Shell Hash	
	2	50			Black Silty Fine to Coarse SAND with Black and White Pebbles	
	2	440	65			
	2	222.59			Tan Brown Silty Fine SAND	
			70		Soil sample refusal at 65 feet BLS. Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



**DIRECT PUSH SOIL LOG Tract 1 SB-2**

# DIRECT PUSH SOIL LOG Tract 4 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **8 feet BLS at TOB**

DATE COMPLETED: **11/18/14**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **55 feet BLS**

LOGGED BY: **F. Slaughter**

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SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
2	Not Measured		0		[Cross-hatch symbol]	Gypsum	Gypsum sample collected from 0 - 4 feet BLS for laboratory analysis.
2	Not Measured		4		[Cross-hatch symbol]		
2	1		5		[Dotted symbol]	Red Yellow Silty Fine to Medium SAND	Soil sample collected from 4 - 8 feet BLS for laboratory analysis.
2	1		6		[Dotted symbol]	Gray Silty Fine to Medium SAND	
2	0.7		7		[Dotted symbol]		
2	0.6		8		[Dotted symbol]		
2	Non-detect		9		[Dotted symbol]		
2	0.3		10		[Dotted symbol]		
2	0.5		11		[Dotted symbol]		
2	5		12		[Dotted symbol]	Dark Gray Silty Fine to Medium SAND	
2	7		13		[Dotted symbol]		
2	Non-detect		14		[Dotted symbol]	Gray Silty Clayey Fine to Medium SAND	
2	Non-detect		15		[Dotted symbol]	Gray Fine to Medium Sandy Soft Clay	
2	400		16		[Diagonal lines symbol]		
2	50		17		[Diagonal lines symbol]		
2	Non-detect		18		[Diagonal lines symbol]		
2	190		19		[Diagonal lines symbol]		
2	1160		20		[Diagonal lines symbol]		
2	1500		21		[Diagonal lines symbol]		
2	1900		22		[Diagonal lines symbol]		
2	130		23		[Diagonal lines symbol]		
2	Non-detect		24		[Diagonal lines symbol]		
2	Non-detect		25		[Diagonal lines symbol]		
2	1200		26		[Diagonal lines symbol]		
2	1350		27		[Diagonal lines symbol]		
2	370		28		[Diagonal lines symbol]		
2	400		29		[Diagonal lines symbol]		
1	Not Measured		30		[Dotted symbol]	Gray Fine to Coarse SAND with Smooth Black Phosphate Pebbles	
			31		[Dotted symbol]	Tan Brown Silty Fine SAND	
			32		[Dotted symbol]	Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 3/13/15



## DIRECT PUSH SOIL LOG Tract 4 SB-1

# DIRECT PUSH SOIL LOG Tract 4 SB-2

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **6 feet BLS at TOB**

DATE COMPLETED: **11/20/14**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **50 feet BLS**

LOGGED BY: **F. Slaughter**

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SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
2	Non-detect		0			Black Topsoil	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
2	Non-detect					Tan Silty Fine to Medium SAND	
2	0.57		5				
2	0.65						
2	0.49		10				
2	0.57						
2	Non-detect		15				
2	Non-detect						
2	Non-detect		20				
2	Non-detect						
2	Non-detect		25			Gray Silty Fine to Medium SAND with shell	
2	Non-detect						
2	2.99		30			Gray CLAY with shell and gravel	
2	10.82						
2	69.67		35				
2	28.56						
2	Non-detect		40				
2	79.98						
2	62.47		45				Soil sample collected from 40 - 44 feet BLS for laboratory analysis.
2	151						
2	Non-detect		50				
2	Non-detect						
2	Not Measured					Tan Brown Silty Fine SAND	
						Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 3/13/15



**DIRECT PUSH SOIL LOG Tract 4 SB-2**

# DIRECT PUSH SOIL LOG Tract 4A SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **10 feet BLS at TOB**

DATE COMPLETED: **11/20/14**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **50 feet BLS**

LOGGED BY: **F. Slaughter**

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SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
			0			Black Topsoil	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
2	Non-detect					Tan Silty Fine to Medium SAND	
2	Non-detect					Tan Fine to Medium Sandy CLAY	
2	Non-detect		5			Tan Silty Fine to Medium SAND	
2	Non-detect					Tan Fine to Medium Sandy CLAY	
2	Non-detect		10			Light Gray Silty Fine to Medium SAND	
2	Non-detect					Red Silty Coarse SAND	
2	Non-detect		15				
2	Non-detect		20			Gray Silty Fine to Medium SAND	
2	2.6					Gray Fine to Medium Sandy CLAY with shell and gravel	
2	1		25				
2	6						
2	25		30				
2	7						
2	1.04		35				
2	67.2						
2	4		40				
2	0.32						
2	Non-detect		45			Gray Coarse SAND with shell	
2	73						
2	6.82		50			Tan Brown Silty Fine SAND	
2	6						
2	0.9						
2	Not Measured						
						Boring abandoned after sample collection.	Soil sample collected from 32 - 36 feet BLS for laboratory analysis.

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 3/13/15



**DIRECT PUSH SOIL LOG Tract 4A SB-1**



# DIRECT PUSH SOIL LOG Tract 4B SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **6 feet BLS at TOB**

DATE COMPLETED: **11/19/14**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **50 feet BLS**

LOGGED BY: **F. Slaughter**

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SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
2	Not Measured		0		Gravel	Gravel	
2	Non-detect		1		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	Soil sample collected from 1 - 3 feet BLS for laboratory analysis.
2	7.55		2		Gray Silty Fine SAND	Gray Silty Fine SAND	
2	8.42		3		Gray Silty Course SAND	Gray Silty Course SAND	
2	25.99		4		Gray Clayey Fine to Medium SAND	Gray Clayey Fine to Medium SAND	
2	13.77		5		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	36.16		6		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	26		7		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	Soil sample collected from 18 - 22 feet BLS for laboratory analysis.
2	Non-detect		8		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	265		9		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	193		10		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	1.01		11		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	0.92		12		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	0.81		13		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	0.97		14		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	0.96		15		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	0.57		16		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	1.37		17		Gray Silty Fine to Coarse SAND with shell	Gray Silty Fine to Coarse SAND with shell	
2	1.25		18		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	0.91		19		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	1.32		20		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	1.18		21		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	1.16		22		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	1.33		23		Gray Fine to Medium Sandy CLAY	Gray Fine to Medium Sandy CLAY	
2	Not Measured		24		Tan Brown Silty Fine SAND	Tan Brown Silty Fine SAND	
			50			Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 3/13/15



**DIRECT PUSH SOIL LOG Tract 4B SB-1**

# DIRECT PUSH SOIL LOG Tract 4C SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **5 feet BLS at TOB**

DATE COMPLETED: **11/19/14**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **55 feet BLS**

LOGGED BY: **M. Cline**

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SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
2	1.07		0			Brown Tan Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
2	0.96						
2	0.99		5				
2	0.88						
2	0.51		10			Gray Fine Sandy CLAY	
2	0.49					Gray Tight CLAY	
2	0.43		15				
2	0.66						
2	0.63		20				
2	0.45						
2	0.52		25			Gray Silty Fine to Course SAND with shell	
2	0.36					Gray Tight CLAY	
2	0.42					Gray Silty Fine to Course SAND with shell	
2	0.38		30			Gray Tight CLAY with gravel and shell hash	
2	0.35						
2	0.31		35				
2	0.37						
2	0.40		40				
2	0.51						
2	2.75		45				Soil sample collected from 42 - 46 feet BLS for laboratory analysis.
2	1.75						
2	3.15		50			Orgaincs/wood	
2	1.84					Gray Fine to Medium SAND	
2	1.67					Tan Brown Silty Fine SAND	
			55			Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 3/13/15



**DIRECT PUSH SOIL LOG Tract 4C SB-1**

# DIRECT PUSH SOIL LOG Tract 4D SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **Not Encountered**

DATE COMPLETED: **11/21/14**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **10 feet BLS**

LOGGED BY: **M. Cline**

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SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
			0			Black Topsoil	
2	Non-detect				·····	Tan Silty Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
2	Non-detect				·····		
2	Non-detect		5		·····		
2	Non-detect				·····		Soil sample collected from 6 - 10 feet BLS for laboratory analysis.
2	Non-detect				·····		
			10			Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 3/13/15



**DIRECT PUSH SOIL LOG Tract 4D SB-1**

# DIRECT PUSH SOIL LOG Tract 6 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **8 feet BLS at TOB**

DATE COMPLETED: **10/10/13**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **45 feet BLS**

LOGGED BY: **M. Cline**

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SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
			0			Black to Dark Gray Silty Fine SAND with wood and organics	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
2	347						
2	76						
2	Non-detect		5				
2	Non-detect					Light Gray Fine to Medium SAND	Soil sample collected from 10 - 14 feet BLS for laboratory analysis.
2	Non-detect		10			Gray Silty CLAY with shell hash	
2	93.14						
2	71.95						
2	Non-detect		15				
2	Non-detect						
2	Non-detect		20				
2	Non-detect						
2	Non-detect		25				
2	Non-detect						
2	Non-detect		30				
2	Non-detect						
2	76.06		35				
2	Non-detect						
2	Non-detect		40				
2	Non-detect						
			45			Brown Slightly Clayey Fine Sandy SILT	Soil sample refusal at 45 feet BLS. Boring abandoned after sample collection.

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 2/3/14



**DIRECT PUSH SOIL LOG Tract 6 SB-1**

# DIRECT PUSH SOIL LOG Tract 6 SB-2

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **8 feet BLS at TOB**

DATE COMPLETED: **10/10/13**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **60 feet BLS**

LOGGED BY: **M. Cline**

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	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	7.77		0			Brown Sawdust	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
	2	116						
	2	Non-detect		5				
	2	Non-detect						
	2	Non-detect		10			Gray Slightly Silty Fine SAND	Soil sample collected from 10 - 14 feet BLS for laboratory analysis.
	2	240						
	2	48						
	2	50		15			Green Gray CLAY with Shell Hash	
	2	Non-detect						
	2	140		20				
	2	67.41						
	2	371						
	2	Non-detect		25				
	2	205						
	2	84		30				
	2	Non-detect						
	2	405		35				
	2	116						
	2	413						
	2	454		40			Gray Clayey Fine to Medium SAND	
	2	Non-detect						
	2	203						
	2	373.7		45			Gray Fine to Medium SAND	
	2	1						
	2	425		50				
	2	57						
	2	22		55			Gray Fine Sandy Silty CLAY	
	2	3.68					Gray Fine to Medium SAND	
	2	4.7						
	2	319		60			Brown Fine Sandy SILT	
							Soil sample refusal at 60 feet BLS. Boring abandoned after sample collection.	

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 2/3/14

NOTES:



**DIRECT PUSH SOIL LOG Tract 6 SB-2**

# DIRECT PUSH SOIL LOG Tract 22 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **4 feet BLS at TOB**

DATE COMPLETED: **12/8/11**  
 DIRECT PUSH OPERATOR: **Chris Bost (#1503B)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **60 feet BLS**

LOGGED BY: **M. Cline**

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	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	374	0		White Gray Gravel	Soil sample collected from 0 - 2 feet BLS for laboratory analysis. Soil sample collected from 4 - 8 feet BLS for laboratory analysis.
	2	1002			Black Silty Fine to Coarse SAND	
	2	589	5		White Gray Gravel	
	2	1066			Brown Silty Fine SAND	
	2	52.93	10		Gray Silty Fine SAND	
	2	8.45			Tan Silty Fine to Medium SAND	
	2	Non-detect	15		Gray Silty Fine to Coarse SAND	
	2	Non-detect			Gray Shell Hash	
	2	0.25	20		Gray Slightly Clayey SILT	
	2	0.15			Gray Fine to Medium SAND	
	2	68	25		Gray Slightly Clayey SILT with shell	
	2	49				
	2	136	30			
	2	10				
	2	46	35			
	2	Non-detect				
	2	Non-detect	40		Gray Fine to Medium SAND	
	2	9				
	2	Non-detect	45			
	2	154				
	2	86	50			
	2	136				
	2	60.65	55		Gray Fine to Coarse SAND	
	2	97.14				
	2	431	60		Soil sample refusal at 60 feet BLS. Boring abandoned after sample collection.	
	2	235				
	2	147				
	2	160				
	2	133				
	2	347				

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



# DIRECT PUSH SOIL LOG Tract 24 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **5 feet BLS at TOB**

DATE COMPLETED: **12/7/11**  
 DIRECT PUSH OPERATOR: **Chris Bost (#1503B)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **65 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	12851	0		Gray Brown Fine to Medium Sandy SILT	Soil sample collected from 0 - 2 feet BLS for laboratory analysis. Soil sample collected from 2 - 6 feet BLS for laboratory analysis.
	2	6727	2		Gray Silty CLAY	
	2	447	4			
	2	69.87	6		Gray Silty Fine to Medium SAND	
	2	33.40	8			
	2	11.01	10		Gray Orange Silty Fine to Medium SAND	
	2	5.47	12			
	2	7.51	14			
	2	0.19	16			
	2	Non-detect	18		Orange Black Silty Fine to Coarse SAND	
	2	0.81	20		Gray Clayey SILT with shell	
	2	Non-detect	22			
	2	52.03	24		Gray Silty CLAY with shell layers 25-26 feet BLS, 32-33 feet BLS, and 34-34.2 feet BLS	
	2	Non-detect	26			
	2	69	28			
	2	253	30			
	2	Non-detect	32			
	2	406	34			
	2	140	36			
	2	49	38			
	2	254.47	40	Gray Silty Fine to Medium SAND		
	2	158	42			
	2	91	44			
	2	348	46			
	2	273	48			
	2	323	50			
	2	273	52			
	2	187	54			
	2	86	56			
	2	193.34	58			
			60		Black silty Fine to Coarse SAND with Smooth Black and White Pebbles	
			65		Soil sample refusal at 60 feet BLS. Boring abandoned after sample collection.	

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12

NOTES:



**DIRECT PUSH SOIL LOG Tract 24 SB-1**

# DIRECT PUSH SOIL LOG Tract 24 SB-2

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **5 feet BLS at TOB**

DATE COMPLETED: **12/7/11**  
 DIRECT PUSH OPERATOR: **Chris Bost (#1503B)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **65 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	836.94	0	Concrete	Concrete	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
	2	61981	2	Gray Silty Fine to Coarse SAND	Gray Silty Fine to Coarse SAND	
	2	1644	5	Light Gray Silty Fine to Medium SAND	Light Gray Silty Fine to Medium SAND	Soil sample collected from 10 - 14 feet BLS for laboratory analysis.
	2	15111	7	Orange Brown Silty Fine to Medium SAND	Orange Brown Silty Fine to Medium SAND	
	2	539	10	Gray Fine Sandy SILT with shell	Gray Fine Sandy SILT with shell	
	2	964	12	Gray Clayey SILT with shell layers 26-28 feet BLS and 34-34.5 feet BLS	Gray Clayey SILT with shell layers 26-28 feet BLS and 34-34.5 feet BLS	
	2	972	13			
	2	20.30	15			
	2	1.64	17			
	2	3.46	19			
	2	5.71	21			
	2	5.29	23			
	2	Non-detect	25			
	2	Non-detect	27			
	2	29.25	29			
	2	112.74	31			
	2	27	33			
	2	205.36	35			
	2	36	37			
	2	85.51	39			
	2	9.76	41			
	2	271	43			
	2	174	45			
	2	4.75	47			
	2	Non-detect	49			
	2	164.96	51			
	2	93	53			
	2	Non-detect	55			
	2	18.19	57			
	2	16	59			
			60		Black Silty Fine to Coarse SAND with Smooth Black and White Pebbles	
			65		Soil sample refusal at 60 feet BLS. Boring abandoned after sample collection.	

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12

NOTES:



**DIRECT PUSH SOIL LOG Tract 24 SB-2**



# DIRECT PUSH SOIL LOG Tract 26 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **5 feet BLS at TOB**

DATE COMPLETED: **1/26/12**  
 DIRECT PUSH OPERATOR: **Chris Bost (#1503B)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **55 feet BLS**

LOGGED BY: **M. Cline**

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	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	8.8	0		Brown Black Silty Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
	2	7.2	2			
	2	6.18	4			
	2	12.9	6			
	2	9.07	8			
	2	23.66	10			
	2	7.45	12			
	2	3.94	14			
	2	2.02	16			
	2	0.77	18			
	2	Non-detect	20			
	2	Non-detect	22			
	2	2.95	24			
	2	0.07	26			
	2	Non-detect	28			
	2	43.65	30			
	2	70	32			
	2	121	34			
	2	Non-detect	36			
	2	Non-detect	38			
	2	186	40			
	2	Non-detect	42			
	2	39	44			
	2	225	46			
	2	3	48			
	2	Non-detect	50			
	3	303	52		Soil sample collected from 52 - 55 feet BLS for laboratory analysis.	
			54			
			55			

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



**DIRECT PUSH SOIL LOG Tract 26 SB-1**

# DIRECT PUSH SOIL LOG Tract 28 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **4 feet BLS at TOB**

DATE COMPLETED: **11/10/11**  
 DIRECT PUSH OPERATOR: **Ronald Stewart (#1815B)**  
 DIRECT PUSH CONTRACTOR: **Mid Atlantic Drilling**  
 TOTAL DEPTH: **16 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
			0		Brown Silty Fine to Medium SAND wth Organics	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
	2	102.65			Gray Fine Sandy SILT	
	2	112			Black Fine Sandy SILT	
	2	4.98	5		Gray Silty Fine SAND	
	2	7.83			Brown and Gray Clayey SILT	
	2	Non-detect			Gray Silty Fine SAND	
	2	Non-detect	10		Gray Clayey SILT	
	2	Non-detect			Tan Brown Silty CLAY	
	2	0.42			Tan Brown Silty Fine to Medium SAND	
	2	Non-detect	15			
					Soil sample refusal at 16 feet BLS. Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



**DIRECT PUSH SOIL LOG Tract 28 SB-1**

# DIRECT PUSH SOIL LOG Tract 29 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **10 feet BLS at TOB**

DATE COMPLETED: **10/7/13**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **45 feet BLS**

GROUND SURFACE ELEVATION: **feet**  
 LOGGED BY: **M. Cline**

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SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
			0			Black Fine to Medium SAND with slag	Soil sample collected from 0 - 2 feet BLS for laboratory analysis. Soil sample collected from 4 - 8 feet BLS for laboratory analysis.
2	Non-detect						
2	31.49						
2	96		5			Tan Gray Silty Fine SAND	
2	72					Gray CLAY	
2	3.01		10			Tan Gray Clayey Fine to Medium SAND	
2	17						
2	8.72						
2	1.68		15			Gray Fine SAND	
2	0.70					Gray Fine Sandy SILT with shell	
2	2.51		20			Gray Fine SAND	
2	3.87						
2	2.38						
2	4.25		25			Gray Fine Sandy CLAY with shell	
2	Non-detect						
2	3.70		30			Gray Fine SAND	
2	2.13						
2	1.39					Gray Brown Silty Fine SAND	
2	4.32		35			Brown Silty CLAY	
2	3.40						
2	3.15		40				
			45			Brown Silty CLAY with phosphate shell	
						Soil sample refusal at 45 feet BLS. Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 2/3/14



**DIRECT PUSH SOIL LOG Tract 29 SB-1**

# DIRECT PUSH SOIL LOG Tract 29 SB-2

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **9 feet BLS at TOB**

DATE COMPLETED: **10/8/13**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **50 feet BLS**

LOGGED BY: **F. Slaughter**

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	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	5.3		0	[Symbol: Dotted]	Dark Brown SAND with gravel and slag	Soil sample collected from 0 - 2 feet BLS for laboratory analysis. Soil sample collected from 4 - 8 feet BLS for laboratory analysis.
	2	569				Tan Gray Silty SAND	
	2	2557		5	[Symbol: Diagonal lines /]	Gray Red Sandy Silty CLAY	
	2	123				Gray Silty SAND	
	2	11.35		10	[Symbol: Diagonal lines /]	Gray Red Course Sandy CLAY	
	2	8.01				Red Silty Fine SAND	
	2	22.10		15	[Symbol: Dotted]	Gray Clayey Silty SAND with shell	
	2	Non-detect				Gray Silty Sandy CLAY	
	2	3.05		20	[Symbol: Diagonal lines /]	Gray Fine SAND	
	2	1.54				Gray Clayey Fine SAND	
	2	1.50		25	[Symbol: Diagonal lines /]	Brown Silty CLAY with phosphate shell	
	2	120				Brown Silty CLAY	
	2	289		30	[Symbol: Dotted]		
	2	109					
	2	341		35	[Symbol: Diagonal lines /]		
	2	70					
	2	294		40	[Symbol: Dotted]		
	2	299					
	2	394		45	[Symbol: Diagonal lines /]		
	2	258					
	2	578		50	[Symbol: Dotted]	Soil sample refusal at 50 feet BLS. Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 2/3/14



**DIRECT PUSH SOIL LOG Tract 29 SB-2**

# DIRECT PUSH SOIL LOG Tract 33 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **15 feet BLS at TOB**

DATE COMPLETED: **10/8/13**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **48 feet BLS**

LOGGED BY: **F. Slaughter**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
2	1.1		0			Red Sandy CLAY	Soil sample collected from 0 - 2 feet BLS for laboratory analysis. Soil sample collected from 4 - 8 feet BLS for laboratory analysis.
2	1.1					Red Silty SAND	
2	4.90		5			Red Tan Silty Sandy CLAY	
2	Non-detect					Tan Silty SAND	
2	0.36		10			Gray Silty SAND with shell	
2	0.79					Gray Silty Sandy CLAY	
2	2.08		15			Gray Silty Fine SAND with shell	
2	3.04					Gray Clayey Silty Fine SAND	
2	11.20		20			Brown Sandy Silty CLAY	
2	23.1						
2	1.0		25				
2	21.02						
2	11.5		30				
2	0.22						
2	1.86		35				
2	3.15						
2	1.90		40				
2	2.05						
2	1.22		45				
2	1.41						
2	1.63						
2	3.99						
1			48			Soil sample refusal at 48 feet BLS. Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 2/3/14



**DIRECT PUSH SOIL LOG Tract 33 SB-1**

# DIRECT PUSH SOIL LOG Tract 33 SB-2

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **8 feet BLS at TOB**

DATE COMPLETED: **10/9/13**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **45 feet BLS**

LOGGED BY: **M. Cline**

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SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
2	Non-detect		0			Tan Orange Silty Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis. Soil sample collected from 10 - 14 feet BLS for laboratory analysis.
2	Non-detect					Black Brown Silty Fine SAND	
2	Non-detect		5			Gray CLAY	
2	6					Light Gray Silty Fine SAND	
2	Non-detect		10			Brown Tan Gray Fine to Medium SAND	
2	121					Orange Fine Sandy Clayey SILT	
2	Non-detect		15			Gray Sandy Silty CLAY with shell	
2	1.21					Brown Gray Fine to Medium SAND	
2	Non-detect		20			Gray CLAY	
2	Non-detect					Gray Fine Sandy SILT	
2	Non-detect		25			Brown Silty Fine SAND and Fine Sandy SILT	
2	Non-detect		30				
2	Non-detect		35				
2	Non-detect		40				
2	Non-detect		45			Brown Silty Fine SAND with phosphate pebbles	
1	Non-detect					Soil sample refusal at 45 feet BLS. Boring abandoned after sample collection.	

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 2/3/14

NOTES:



**DIRECT PUSH SOIL LOG Tract 33 SB-2**

# DIRECT PUSH SOIL LOG Tract 33 SB-3

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **9 feet BLS at TOB**

DATE COMPLETED: **10/9/13**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **40 feet BLS**

LOGGED BY: **F. Slaughter**

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SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
			0		[Cross-hatch symbol]	Concrete and Brick Debris	
2	2				[Dotted symbol]	Tan Clayey SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
2	Non-detect				[Diagonal lines symbol]	Gray Sandy CLAY	
2	Non-detect		5		[Dotted symbol]	Gray Silty SAND	
2	974				[Diagonal lines symbol]	Gray Silty Sandy CLAY	
2	170		10		[Dotted symbol]	Brown SAND with organics	Soil sample collected from 14 - 18 feet BLS for laboratory analysis.
2	Non-detect				[Diagonal lines symbol]	Gray Silty SAND	
2	Non-detect		15		[Dotted symbol]	Brown Gray Silty CLAY	
2	1164				[Diagonal lines symbol]	Brown Silty CLAY	
2	202		20		[Dotted symbol]	Soil sample refusal at 40 feet BLS. Boring abandoned after sample collection.	
2	256				[Diagonal lines symbol]		
2	Non-detect		25		[Dotted symbol]		
2	2.4				[Diagonal lines symbol]		
2	66		30		[Dotted symbol]		
2	Non-detect				[Diagonal lines symbol]		
2	Non-detect		35		[Dotted symbol]		
2	Non-detect				[Diagonal lines symbol]		
2	105.1		40		[Dotted symbol]		
2	Non-detect				[Diagonal lines symbol]		
2	Non-detect				[Dotted symbol]		

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 2/3/14



**DIRECT PUSH SOIL LOG Tract 33 SB-3**

# DIRECT PUSH SOIL LOG Tract 33 SB-4

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **15 feet BLS at TOB**

DATE COMPLETED: **10/11/13**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810C)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **50 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

SAMPLE ADVANCE (ft.)	Soil FID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION		REMARKS
2	86		0			Orange Red Brown Silty Fine SAND		Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
2	80							
2	27		5			Gray Tan Clayey Fine to Medium SAND		
2	Non-detect							
2	6		10			Tan Orange Fine to Medium SAND		
2	34							
2	336		15			Tan Green Gray Clayey SILT		
2	16							
2	Non-detect		20			Green Gray CLAY with shell		
2	Non-detect							
2	Non-detect		25			Green Brown Silty Fine SAND and Fine Sandy SILT		
2	Non-detect							
2	Non-detect		30					
2	Non-detect		35					
2	0.57		40					
2	1.31		45					
2	2.06							
2	2.46							
2	1.17							
2	2.51							
2	0.41		50					
						Soil sample refusal at 50 feet BLS. Boring abandoned after sample collection.		

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 2/3/14



**DIRECT PUSH SOIL LOG Tract 33 SB-4**



# DIRECT PUSH SOIL LOG Tract 35 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **1 feet BLS at TOB**

DATE COMPLETED: **11/8/11**  
 DIRECT PUSH OPERATOR: **Ronald Stewart (#1815B)**  
 DIRECT PUSH CONTRACTOR: **Mid Atlantic Drilling**  
 TOTAL DEPTH: **50 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS	
	2	60.40	0	[Grid Pattern]	White, Black, and Gray Asphalt		
	2	29.18		[Diagonal Lines]	Olive Silty CLAY	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.	
	2	52.33	5				
	2	44.51					
	2	561	10				
	2	1116					
	2	1651	15		Olive Black Silty CLAY		Soil sample collected from 12 - 16 feet BLS for laboratory analysis.
	2	1928					
	2	993	20				
	2	Non-detect					
	2	1520	25				
	2	1146			Black Clayey SILT		
	2	749	30		Olive Gray Clayey SILT		
	2	1307					
	2	1493	35				
	2	707					
	2	491	40				
	2	Non-detect					
	2	850	45		Gray Black Silty Fine to Medium SAND with Shell	Boring abandoned after sample collection.	
	2	1700			Olive Brown Silty Fine SAND		
	2	321	50				
	2	588					

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



**DIRECT PUSH SOIL LOG Tract 35 SB-1**



# DIRECT PUSH SOIL LOG Tract 35 SB-3




PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **1 feet BLS at TOB**

DATE COMPLETED: **11/9/11**  
 DIRECT PUSH OPERATOR: **Ronald Stewart (#1815B)**  
 DIRECT PUSH CONTRACTOR: **Mid Atlantic Drilling**  
 TOTAL DEPTH: **4 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
			0		Brown Silty Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
	2	Non-detect			Black Silty Fine to Coarse Sandy Gravel	
					Brown Silty CLAY with Organics	
	2	Non-detect			Soil sample refusal at 4 feet BLS. Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



**DIRECT PUSH SOIL LOG Tract 35 SB-3**

# DIRECT PUSH SOIL LOG Tract 35 SB-4

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **4 feet BLS at TOB**

DATE COMPLETED: **11/9/11**  
 DIRECT PUSH OPERATOR: **Ronald Stewart (#1815B)**  
 DIRECT PUSH CONTRACTOR: **Mid Atlantic Drilling**  
 TOTAL DEPTH: **36 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	3.42	0	[Cross-hatch symbol]	Brick Fill	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
	2	11.07		[Dotted symbol]	Black and Gray Silty Fine to Coarse SAND	
	2	40.99	5	[Diagonal lines symbol]	Black Silty Fine to Medium SAND	
	2	63.74		[Diagonal lines symbol]	Brown Gray Clayey Fine to Medium SAND	
	2	73.69		[Diagonal lines symbol]	Brown Gray Fine to Medium Sandy CLAY	Soil sample collected from 10 - 14 feet BLS for laboratory analysis.
	2	235	10	[Dotted symbol]	Gray Silty Fine to Medium SAND	
	2	846		[Dotted symbol]		
	2	35.59	15	[Diagonal lines symbol]	Brown and Gray Silty CLAY	
	2	34		[Diagonal lines symbol]		
	2	Non-detect	20	[Dotted symbol]	Tan Brown Shell Hash	
	2	15.75		[Dotted symbol]	Tan Brown Silty CLAY	
	2	Non-detect	25	[Dotted symbol]	Gray Silty Fine to Medium SAND	
	2	Non-detect		[Dotted symbol]	Brown Clayey SILT	Boring abandoned after sample collection.
	2	Non-detect	30	[Dotted symbol]	Olive Silty Fine SAND	
	2	Non-detect	35	[Dotted symbol]		

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



**DIRECT PUSH SOIL LOG Tract 35 SB-4**

# DIRECT PUSH SOIL LOG Tract 35 SB-5

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **4 feet BLS at TOB**

DATE COMPLETED: **11/10/11**  
 DIRECT PUSH OPERATOR: **Ronald Stewart (#1815B)**  
 DIRECT PUSH CONTRACTOR: **Mid Atlantic Drilling**  
 TOTAL DEPTH: **28 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
			0	[Cross-hatch symbol]	Brick and Concrete Rubble	
	2	Non-detect		[Dotted symbol]	Brown Silty Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
	2	164		[Diagonal lines symbol]	Red and Gray Silty CLAY	
				[Dotted symbol]	Black Silty Fine to Medium SAND	Soil sample collected from 4 - 8 feet BLS for laboratory analysis.
	2	780	5	[Dotted symbol]	Brown Silty Fine to Medium SAND	
	2	400		[Dotted symbol]	Olive Gray Silty Fine to Medium SAND	
	2	374		[Dotted symbol]	Gray Silty Fine SAND	
	2	22.98	10	[Dotted symbol]	Brown Silty Fine SAND	
	2	Non-detect		[Dotted symbol]	Brown Silty Fine SAND	
	2	Non-detect	15	[Dotted symbol]	Brown Clayey Fine SAND	
	2	14.49		[Diagonal lines symbol]	Gray and Brown Fine Sandy CLAY	
	2	9.12	20	[Diagonal lines symbol]		
	2	4.50		[Diagonal lines symbol]		
	2	8.94		[Diagonal lines symbol]		
	2	Non-detect	25	[Dotted symbol]	Gray Silty Fine SAND	
	1	Non-detect		[Dotted symbol]	Light Gray Fine Sandy SILT	
				[Dotted symbol]	Olive Brown Fine Sandy SILT	
					Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



**DIRECT PUSH SOIL LOG Tract 35 SB-5**



# DIRECT PUSH SOIL LOG Tract 35 SB-7

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **Boring in Shipyard Creek**

DATE COMPLETED: **3/21/11**  
 DIRECT PUSH OPERATOR: **Bobbie Fowler, Jr. (#1146B)**  
 DIRECT PUSH CONTRACTOR: **Mid Atlantic Drilling**  
 TOTAL DEPTH: **34 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	1.07	0		Brown Black SILT	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
			5	-----	No Recovery	
	2	4.95			Gray SILT	Soil sample collected from 20 - 24 feet BLS for laboratory analysis.
	2	343				
	2	14.82				
	2	Non-detect				
	2	40.3				
	2	63.66				
	2	141			Gray Fine Sandy SILT	
	2	148			Brown Silty Fine SAND	
	2	175				
	2	84.92			Olive Brown Silty Fine SAND with organic pluff mud odor	
	2	46.14				
	2	30.06				
	2	10.19			Olive Brown Silty Fine SAND	
	2	20.8				
					Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



**DIRECT PUSH SOIL LOG Tract 35 SB-7**

# DIRECT PUSH SOIL LOG Tract 37 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **6 feet BLS at TOB**

DATE COMPLETED: **2/29/12**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810D)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **62 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	Non-detect	0	[Diagonal Hatching]	Gray and Tan Silty CLAY	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
	2	Non-detect	2	[Diagonal Hatching]	Tan Silty Fine to Medium SAND	
	2	0.61	4	[Diagonal Hatching]	Gray and Tan Silty CLAY	
	2	11.18	6	[Diagonal Hatching]	Gray Fine to Medium SAND	
	2	1.77	8	[Diagonal Hatching]	Tan Silty Fine SAND with some Clay Layers	
	2	3.72	10	[Diagonal Hatching]	Gray and Tan CLAY with Shell Hash Layers	
	2	4.73	12	[Diagonal Hatching]		
	2	11.18	14	[Diagonal Hatching]		
	2	6.30	16	[Diagonal Hatching]		
	2	46.55	18	[Diagonal Hatching]		
	2	1.32	20	[Diagonal Hatching]	Gray CLAY	Soil sample collected from 22 - 26 feet BLS for laboratory analysis.
	2	47.58	22	[Diagonal Hatching]	Gray Fine to Medium SAND	
	2	16.36	24	[Diagonal Hatching]	Gray CLAY	
	2	4.27	26	[Diagonal Hatching]	Brown Silty CLAY with Shell Layer 38.5-39.5 feet BLS	
	2	1.95	28	[Diagonal Hatching]		
	2	1.81	30	[Diagonal Hatching]		
	2	0.84	32	[Diagonal Hatching]		
	2	0.97	34	[Diagonal Hatching]		
	2	1.40	36	[Diagonal Hatching]		
	2	1.75	38	[Diagonal Hatching]		
	2	0.66	40	[Diagonal Hatching]		
	2	1.50	42	[Diagonal Hatching]		
	2	2.34	44	[Diagonal Hatching]		
	2	2.33	46	[Diagonal Hatching]		
	2	1.81	48	[Diagonal Hatching]		
	2	3.65	50	[Diagonal Hatching]		
	2	2.21	52	[Diagonal Hatching]		
	2	2.59	54	[Diagonal Hatching]		
	2	1.54	56	[Diagonal Hatching]		
	2	2.54	58	[Diagonal Hatching]		
	2	3.17	60	[Diagonal Hatching]		
	2	0.18	62	[Diagonal Hatching]		
			64		Soil sample refusal at 64 feet BLS. Boring abandoned after sample collection.	

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12

NOTES:



**DIRECT PUSH SOIL LOG Tract 37 SB-1**



# DIRECT PUSH SOIL LOG Tract 37 SB-2


PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **11 feet BLS at TOB**

DATE COMPLETED: **2/29/12**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810D)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **64 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS	
	2	0.19	0		Tan Brown Silty Fine to Medium SAND with Shell	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.  Soil sample collected from 8 - 12 feet BLS for laboratory analysis.	
	2	1.63	2				
	2	2.16	4				
	2	27.60	6				
	2	58.07	8				
	4	51.43	12				
	2	4.66	14				
	2	4.58	16				
	2	7.06	18				
	2	15.12	20				
	2	17.45	21				
	2	12.89	22				
	2	3.17	23				
	2	3.73	24				
	2	1.42	25				
	2	0.77	26				
	2	1.30	27				
	2	1.29	28				
	2	1.20	29				
	2	2.10	30				
	2	0.64	31				
	2	1.47	32				
	2	2.42	33				
	2	1.50	34				
	2	Non-detect	35				
	2	0.23	36				
	2	2.75	37				
	2	3.00	38				
	2	2.41	39				
	2	1.34	40				
	2	1.92	41				
			45				
			50				
			55				
			60				
			64				
					Soil sample refusal at 64 feet BLS. Boring abandoned after sample collection.		

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



**DIRECT PUSH SOIL LOG Tract 37 SB-2**

# DIRECT PUSH SOIL LOG Tract 37 SB-3

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **11 feet BLS at TOB**

DATE COMPLETED: **3/1/12**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810D)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **55 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	Non-detect	0	[Symbol: Dotted]	Tan Brown silty Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
	2	4.59		[Symbol: Dotted]	Gray Fine to Medium SAND with Shell	
	2	20.95	5	[Symbol: Diagonal Lines]	Brown Fine Sandy CLAY	Soil sample collected from 8 - 12 feet BLS for laboratory analysis.
	2	36.57		[Symbol: Dotted]	Gray and Tan Silty Fine to Medium SAND	
	2	109.15	10	[Symbol: Dotted]		
	2	7.40		[Symbol: Dotted]		
	2	4.34	15	[Symbol: Dotted]		
	2	8.62		[Symbol: Dotted]		
	2	1.45	20	[Symbol: Dotted]	Gray and Tan Silty CLAY	
	2	0.60		[Symbol: Dotted]	Tan and Gray Shell Hash	
	2	2.67	25	[Symbol: Diagonal Lines]	Gray Silty CLAY	
	2	15.63		[Symbol: Diagonal Lines]	Brown Gray Silty Fine SAND	
	2	9.33	30	[Symbol: Diagonal Lines]	Gray Fine Sandy CLAY	
	2	Non-detect		[Symbol: Diagonal Lines]	Gray Silty Fine to Medium SAND	
	2	14.80	35	[Symbol: Diagonal Lines]	Brown Silty Fine SAND	
	2	4.72		[Symbol: Diagonal Lines]	Brown Silty CLAY	
	2	4.49	40	[Symbol: Diagonal Lines]		
	2	1.57	45	[Symbol: Diagonal Lines]		
	2	1.78	50	[Symbol: Diagonal Lines]		
	2	Non-detect	55	[Symbol: Diagonal Lines]	Soil sample refusal at 55 feet BLS. Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



**DIRECT PUSH SOIL LOG Tract 37 SB-3**

# DIRECT PUSH SOIL LOG Tract 40 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **5 feet BLS at TOB**

DATE COMPLETED: **1/26/12**  
 DIRECT PUSH OPERATOR: **Chris Bost (#1503B)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **35 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
		0		Brown Orange Tan Silty Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis. Soil sample collected from 4 - 8 feet BLS for laboratory analysis.
2	Non-detect				
2	Non-detect				
2	5.96	5			
2	0.31				
2	0.84				
2	0.51	10			
2	0.99				
2	0.45	15		Gray Orange Tan Fine Sandy SILT	
2	0.59			Orange Tan Silty Fine to Medium SAND with shell	
2	1.09			Green Gray Shell Hash	
2	1.38	20		Gray Shell Hash	
2	0.73			Brown Gray Silty Fine SAND	
2	0.65			Gray Silty Fine SAND	
2	0.73	25		Gray Silty CLAY	
2	0.78			Green Brown Silty Fine SAND	
2	Non-detect	30			
3	Non-detect				
		35		Soil sample refusal at 35 feet BLS. Boring abandoned after sample collection.	

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12

NOTES:



**DIRECT PUSH SOIL LOG Tract 40 SB-1**

# DIRECT PUSH SOIL LOG Tract 44 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **5 feet BLS at TOB**

DATE COMPLETED: **1/27/12**  
 DIRECT PUSH OPERATOR: **Chris Bost (#1503B)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **35 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	Non-detect	0		Tan Silty Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
	2	Non-detect				
	2	0.44	5		Gray Silty Fine to Medium SAND	Soil sample collected from 6 - 10 feet BLS for laboratory analysis.
	2	19.36			Gray and Orange Silty Fine to Medium SAND	
	2	7.08	10			
	2	0.12				
	2	1.00	15			
	2	32.4				
	2	20.37	20		Gray Silty Fine SAND	
	2	1.52				
	2	0.67	25		Green Brown Fine Sandy SILT	
	2	0.52				
	2	10.45	30		Green Brown Silty Fine SAND	
	2	Non-detect				
	2	1.22				
	2	0.56				
	3	0.55	35			
						Soil sample refusal at 35 feet BLS. Boring abandoned after sample collection.

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12

NOTES:



**DIRECT PUSH SOIL LOG Tract 44 SB-1**

# DIRECT PUSH SOIL LOG Tract 45 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **5 feet BLS at TOB**

DATE COMPLETED: **12/9/11**  
 DIRECT PUSH OPERATOR: **Chris Bost (#1503B)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **45 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

	SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	2	Non-detect	0		Dark Brown Silty Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.  Soil sample collected from 14 - 18 feet BLS for laboratory analysis.
	2	Non-detect	2		Orange Tan Fine to Medium SAND	
	2	0.05	5		Shell Hash	
	2	Non-detect	6		Gray Silty CLAY	
	2	Non-detect	7		Gray Fine Sandy SILT	
	2	0.05	8		Brown Fine Sandy SILT	
	2	Non-detect	9			
	2	Non-detect	10			
	2	509	11			
	2	525	12			
	2	438	13			
	2	29.06	14			
	2	14.44	15			
	2	2.30	16			
	2	13.62	17			
	2	6.82	18			
	2	10.73	19			
	2	3.56	20			
	2	6.82	21			
	2	7.05	22			
	2	4.30	23			
	2	8.52	24			
	2	6.67	25			
			45		Soil sample refusal at 45 feet BLS. Boring abandoned after sample collection.	

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12

NOTES:



**DIRECT PUSH SOIL LOG Tract 45 SB-1**

# DIRECT PUSH SOIL LOG Tract 57 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **9 feet BLS at TOB**

DATE COMPLETED: **12/8/11**  
 DIRECT PUSH OPERATOR: **Chris Bost (#1503B)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **40 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
		0		Black Brown Silty Fine to Medium SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
2	Non-detect			Gray Brown Silty Fine to Medium SAND	
2	Non-detect			Gray and Orange Silty Fine to Medium SAND	Soil sample collected from 6 - 10 feet BLS for laboratory analysis.
2	Non-detect	5			
2	Non-detect				
2	0.14	10			
2	Non-detect			Orange Tan Silty Fine to Medium SAND	
2	Non-detect			Gray Silty Fine to Medium SAND	
2	Non-detect	15		Orange Brown Silty Fine to Medium SAND	
2	Non-detect			Gray Slightly Clayey SILT w/ shell	
2	Non-detect	20			
2	Non-detect			Gray Shell Hash	
2	Non-detect	25			
2	0.43			Gray Fine Sandy SILT	
2	0.56			Brown Fine Sandy SILT	
2	0.23	30			
2	0.31				
2	1.46	35			
2	1.58				
2	0.91	40			
				Soil sample refusal at 40 feet BLS. Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



**DIRECT PUSH SOIL LOG Tract 57 SB-1**

# DIRECT PUSH SOIL LOG Tract 62 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **11 feet BLS at TOB**

DATE COMPLETED: **3/1/12**  
 DIRECT PUSH OPERATOR: **T.R. White (#1810D)**  
 DIRECT PUSH CONTRACTOR: **Probe Technology**  
 TOTAL DEPTH: **40 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
		0		Dark Brown Silty Fine SAND	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
2	Non-detect			Light Brown Silty Fine SAND	
2	Non-detect			Orange Brown Clayey Fine SAND	
2	Non-detect	5		Tan and Gray Silty CLAY	
2	Non-detect			Gray Clayey Fine SAND	
2	4.18	10		Tan Brown Silty Fine to Medium SAND	Soil sample collected from 8 - 12 feet BLS for laboratory analysis.
2	0.04				
2	Non-detect	15		Gray Shell Hash	
2	1.44			Gray Fine to Medium SAND	
2	Non-detect	20		Gray Shell Hash	
2	0.12			Gray Clay with Shell Layer 24-25 feet BLS	
2	Non-detect	25			
2	0.49			Gray Fine Sandy SILT	
2	0.39	30		Dark Brown Silty Fine to Medium SAND	
2	0.85			Brown Fine Sandy SILT	
2	0.58			Brown Silty CLAY	
2	0.59	35			
2	0.52				
2	0.71	40			
				Boring abandoned after sample collection.	

NOTES:

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12



**DIRECT PUSH SOIL LOG Tract 62 SB-1**

# DIRECT PUSH SOIL LOG Tract 67 SB-1

PROJECT: **Port Access Road**  
 PROJECT NO: **1131-08-554**  
 PROJECT LOCATION: **North Charleston, South Carolina**

WATER LEVEL: **9 feet BLS at TOB**

DATE COMPLETED: **11/11/11**  
 DIRECT PUSH OPERATOR: **Ronald Stewart (#1815B)**  
 DIRECT PUSH CONTRACTOR: **Mid Atlantic Drilling**  
 TOTAL DEPTH: **42 feet BLS**

LOGGED BY: **M. Cline**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

SAMPLE ADVANCE (ft.)	Soil FID (ppm)	DEPTH (ft.)	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
		0	[Cross-hatch symbol]	Black, White, and Red Gravel and Brick Debris	Soil sample collected from 0 - 2 feet BLS for laboratory analysis.
2	Non-detect				
2	Non-detect				
2	Non-detect				
		5	[Dotted symbol]	Dark Brown Silightly Clayey Silty Fine SAND	Soil sample collected from 28 - 32 feet BLS for laboratory analysis.
2	Non-detect			Tan Silty fine SAND	
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
		10	[Diagonal lines symbol]	Tan and Gray Fine to Medium Sandy CLAY	Soil sample collected from 28 - 32 feet BLS for laboratory analysis.
2	Non-detect			White, Tan, and Gray Silty Fine to Medium SAND	
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
		15	[Dotted symbol]	Tan Slightly Silty Fine to Medium SAND	Soil sample collected from 28 - 32 feet BLS for laboratory analysis.
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
		20	[Dotted symbol]	Gray Fine Sandy SILT	Soil sample collected from 28 - 32 feet BLS for laboratory analysis.
2	Non-detect				
2	7.31				
2	286				
2	107				
2	162				
2	434				
2	87				
2	262				
2	24.78				
		25	[Diagonal lines symbol]	Gray Clayey SILT	Soil sample collected from 28 - 32 feet BLS for laboratory analysis.
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
		30	[Diagonal lines symbol]	Gray Silty CLAY with Shell	Soil sample collected from 28 - 32 feet BLS for laboratory analysis.
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
		35	[Diagonal lines symbol]	Gray Silty CLAY	Soil sample collected from 28 - 32 feet BLS for laboratory analysis.
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
2	Non-detect				
		40	[Dotted symbol]	Gray Fine to Medium SAND	Soil sample refusal at 42 feet BLS. Boring abandoned after sample collection.
2	Non-detect				
		42	[Dotted symbol]	Soil sample refusal at 42 feet BLS. Boring abandoned after sample collection.	

SAMPLE LOG GEOPROBE GINT.GPJ S&ME.GDT 8/23/12

NOTES:



## DIRECT PUSH SOIL LOG Tract 67 SB-1



## **APPENDIX III**

### SCDHEC WATER WELL RECORDS (FORM 1903)























## Water Well Record

### Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**  
 Name: SCDOT Attn: Gaskins, Chris  
(last) (first)  
 Address: PO Box 191  
 City: Columbia State: SC Zip:  
 Telephone: Work: (803) 737-1473 Home:

**7. PERMIT NUMBER:** MWA #: 4383 dated 11.07.11

**8. USE:**  
 Residential  Public Supply  Process  
 Irrigation  Air Conditioning  Emergency  
 Test Well  Monitor Well  Replacement

**2. LOCATION OF WELL:** COUNTY: Charleston  
 Name: Fabian Properties / Frederick Fabian  
 Street Address: Meeting Street Road  
 City: North Charleston Zip:  
 Latitude: 32°50'5" N Longitude: 79°57'20" W

**9. WELL DEPTH (completed)** Date Started: 12.08.11  
 Total depth 60 ft. Date Completed: 12.08.11

**10. CASING:**  Threaded  Welded  
 Diam.: \_\_\_\_\_  
 Type:  PVC  Galvanized  Steel  Other  
 \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth  
 \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth

Height: Above  Below   
 Surface \_\_\_\_\_ ft.  
 Weight \_\_\_\_\_ lb./ft.  
 Drive Shoe?  Yes  No

**3. PUBLIC SYSTEM NAME:** PUBLIC SYSTEM NUMBER:  
 Tract 22 TW-1

**11. SCREEN:**  
 Type: Stainless Diam.: 1 inch  
 Slot/Gauge: 0.004 in. Length: 4 feet  
 Set Between: 3 - 7 ft. and 40 - 44 ft. NOTE: MULTIPLE SCREENS  
16 - 20 ft. and 56 - 60 ft. USE SECOND SHEET  
 Sieve Analysis  Yes (please enclose)  No

**4. ABANDONMENT:**  Yes  No  
 Grouted Depth: from 60 ft. to 0 ft.

**12. STATIC WATER LEVEL** Not Measured ft. below land surface after 24 hours

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
White Gray Gravel	0.5 ft	0.5 ft
Black Silty F/C SAND	0.5 ft	1 ft
White Gray Gravel	0.25 ft	1.25 ft
Brown and Gray Silty Fine SAND	10.75 ft	12 ft
Tan Silty F/M SAND	2 ft	14 ft
Gray Silty F/C SAND	1 ft	15 ft
Gray Shell Hash	5 ft	20 ft
Gray Silty Clayey SILT	4 ft	24 ft
Gray F/M SAND	1 ft	25 ft
Gray Silty Clayey SILT	15 ft	40 ft
Gray F/M SAND	16 ft	56 ft
Gray F/C SAND	4 ft	60 ft

**13. PUMPING LEVEL** Below Land Surface.  
 \_\_\_\_\_ ft. after \_\_\_\_\_ hrs. Pumping \_\_\_\_\_ G.P.M.  
 Pumping test:  Yes (please enclose)  No  
 Yield: \_\_\_\_\_

**14. WATER QUALITY**  
 Chemical Analysis  Yes  No Bacterial Analysis  Yes  No  
 Please enclose lab results.

**15. ARTIFICIAL FILTER (filler pack)**  Yes  No  
 Installed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Effective size \_\_\_\_\_ Uniformity Coefficient \_\_\_\_\_

**16. WELL GROUDED?**  Yes  No  
 Neat Cement  Bentonite  Bentonite/Cement  Other \_\_\_\_\_  
 Depth: From \_\_\_\_\_ ft to \_\_\_\_\_ ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** \_\_\_\_\_ ft. \_\_\_\_\_ direction  
 Type \_\_\_\_\_  
 Well Disinfected  Yes  No Type: \_\_\_\_\_ Amount: \_\_\_\_\_

**18. PUMP:** Date installed: \_\_\_\_\_ Not installed   
 Mfr. Name: \_\_\_\_\_ Model No.: \_\_\_\_\_  
 H.P. \_\_\_\_\_ Volts \_\_\_\_\_ Length of drop pipe \_\_\_\_\_ ft. Capacity \_\_\_\_\_ gpm  
 TYPE:  Submersible  Jet (shallow)  Turbine  
 Jet (deep)  Reciprocating  Centrifugal

**19. WELL DRILLER:** Chris Bost CERT. NO.: 1503B  
 Address: (Print) Level: A B C D (circle one)  
 PO Box 1369; Concord, NC 28026      
 Telephone No.: 704-933-5538 Fax No.: 704-933-5539

\*Indicate Water Bearing Zones  
 (Use a 2nd sheet if needed)

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

**5. REMARKS:**  
 Temporary Well Tract 22 TW-1, Abandoned after sample collection.

Signed: Chris Bost Date: 1-6-12  
 Well Driller

**6. TYPE:**  Mud Rotary  Jetted  Bored  
 Dug  Air Rotary  Driven  
 Cable tool  Other

If D Level Driller, provide supervising driller's name:





## Water Well Record

### Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**  
 Name: SCDOT Attn: Gaskins, Chris (last) (first)  
 Address: PO Box 191  
 City: Columbia State: SC Zip:  
 Telephone: Work: (803) 737-1473 Home:

**2. LOCATION OF WELL:** COUNTY: Charleston  
 Name: CC&A Rentals / William Aldret  
 Street Address: 2111 Meeting Street Road  
 City: North Charleston Zip:  
 Latitude: 32°50'6" N Longitude: 79°57'17" W

**3. PUBLIC SYSTEM NAME:** PUBLIC SYSTEM NUMBER:  
 Tract 24 TW-2

**4. ABANDONMENT:**  Yes  No  
 Grouted Depth: from 60 ft. to 0 ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Concrete	0.5 ft	0.5 ft
Gray Silty F/M SAND	7.5 ft	8 ft
Lt. Gray Silty F/M SAND	4 ft	12 ft
Orange Brown Silty F/M SAND	8 ft	20 ft
Gray Fine Sandy SILT w/ shells	2 ft	22 ft
Gray Clayey SILT with shell layers	17.5 ft	39.5 ft
Gray Silty F/M SAND	3.5 ft	43 ft
Gray F/M Sandy SILT	1 ft	44 ft
Gray Silty F/M SAND	15 ft	59 ft
Black Silty F/C SAND with	1 ft	60 ft
smooth black and white pebbles		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

**5. REMARKS:**  
 Temporary Well Tract 24 TW-2.  
 Abandoned after sample collection.

**6. TYPE:**  Mud Rotary  Jetted  Bored  
 Dug  Air Rotary  Driven  
 Cable tool  Other

**7. PERMIT NUMBER:** MWA #: 4381 dated 11.07.11

**8. USE:**  
 Residential  Public Supply  Process  
 Irrigation  Air Conditioning  Emergency  
 Test Well  Monitor Well  Replacement

**9. WELL DEPTH (completed)** Date Started: 12.07.11  
 Total depth 60 ft. Date Completed: 12.07.11

**10. CASING:**  Threaded  Welded  
 Diam.: \_\_\_\_\_  
 Type:  PVC  Galvanized  Steel  Other  
 \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth  
 \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth  
 Height: Above  Below   
 Surface \_\_\_\_\_ ft.  
 Weight \_\_\_\_\_ lb./ft.  
 Drive Shoe?  Yes  No

**11. SCREEN:**  
 Type: Stainless Diam.: 1 inch  
 Slot/Gauge: 0.004 in. Length: 4 feet  
 Set Between: 3-7 ft. and 37-41 ft. NOTE: MULTIPLE SCREENS  
 18-22 ft. and 56-60 ft. USE SECOND SHEET  
 Sieve Analysis  Yes (please enclose)  No

**12. STATIC WATER LEVEL** Not Measured \_\_\_\_\_ ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.  
 \_\_\_\_\_ ft. after \_\_\_\_\_ hrs. Pumping \_\_\_\_\_ G.P.M.  
 Pumping test:  Yes (please enclose)  NO  
 Yield: \_\_\_\_\_

**14. WATER QUALITY**  
 Chemical Analysis  Yes  No Bacterial Analysis  Yes  No  
 Please enclose lab results.

**15. ARTIFICIAL FILTER (filter pack)**  Yes  No  
 Installed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Effective size \_\_\_\_\_ Uniformity Coefficient \_\_\_\_\_

**16. WELL GROUDED?**  Yes  No  
 Neat Cement  Bentonite  Bentonite/Cement  Other \_\_\_\_\_  
 Depth: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** \_\_\_\_\_ ft. \_\_\_\_\_ direction  
 Type \_\_\_\_\_  
 Well Disinfected  Yes  No Type: \_\_\_\_\_ Amount: \_\_\_\_\_

**18. PUMP:** Date installed: \_\_\_\_\_ Not installed   
 Mfr. Name: \_\_\_\_\_ Model No.: \_\_\_\_\_  
 H.P. \_\_\_\_\_ Volts \_\_\_\_\_ Length of drop pipe \_\_\_\_\_ ft. Capacity \_\_\_\_\_ gpm  
 TYPE:  Submersible  Jet (shallow)  Turbine  
 Jet (deep)  Reciprocating  Centrifugal

**19. WELL DRILLER:** Chris Bost CERT. NO.: 1503B  
 Address: (Print) Level: A B C D (circle one)  
 PO Box 1369; Concord, NC 28026      
 Telephone No.: 704-933-5538 Fax No.: 704-933-5539

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: *Chris Bost* Date: 1-6-12  
 Well Driller

If D Level Driller, provide supervising driller's name:































## Water Well Record

### Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**  
 Name: SCDOT Attn: Gaskins, Chris (last) (first)  
 Address: PO Box 191  
 City: Columbia State: SC Zip:  
 Telephone: Work: (803) 737-1473 Home:

**7. PERMIT NUMBER:** MWA #: 4382 dated 11.07.11

**2. LOCATION OF WELL: COUNTY: Charleston**  
 Name: Charleston Naval Complex  
 Street Address: off of Forest Sherman Road  
 City: North Charleston Zip:  
 Latitude: 32°50'47" N Longitude: 79°57'14" W

**8. USE:**  
 Residential  Public Supply  Process  
 Irrigation  Air Conditioning  Emergency  
 Test Well  Monitor Well  Replacement

**9. WELL DEPTH (completed)** Date Started: 11.10.11  
 Total depth 27 ft. Date Completed: 11.10.11

**3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:**  
 Tract 35 TW-5

**10. CASING:**  Threaded  Welded  
 Diam.: \_\_\_\_\_  
 Type:  PVC  Galvanized  Steel  Other  
 \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth  
 \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth  
 Height: Above  Below   
 Surface \_\_\_\_\_ ft.  
 Weight \_\_\_\_\_ lb./ft.  
 Drive Shoe?  Yes  No

**4. ABANDONMENT:**  Yes  No  
 Grouted Depth: from 28 ft. to 0 ft.

**11. SCREEN:**  
 Type: Stainless (S) / PVC Diam.: 1 inch  
 Slot/Gauge: 0.004 in. / 0.0001 in. Length: 4 feet / 10 feet  
 Set Between: 1-10 PVC ft. and 23 - 27 S ft. **NOTE: MULTIPLE SCREENS USE SECOND SHEET**  
12 - 16 S ft. and \_\_\_\_\_ ft.  
 Sieve Analysis  Yes (please enclose)  No

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Rubble: Brick and Concrete	1 ft	1 ft
Brown Silty F/M SAND	1 ft	2 ft
Red and Gray Silty CLAY	1 ft	3 ft
Black Silty F/M SAND	1 ft	4 ft
Brown Silty F/M SAND	3 ft	7 ft
Olive Gray Silty F/M SAND	3 ft	10 ft
Gray Silty Fine SAND	2 ft	12 ft
Brown Silty Fine SAND	3 ft	15 ft
Brown Clayey Fine SAND	1 ft	16 ft
Gray and Brown Fine Sandy CLAY	8 ft	24 ft
Gray Silty Fine SAND	1 ft	25 ft
Lt Gray to Olive Br F Sandy SILT	3 ft	28 ft

**12. STATIC WATER LEVEL** Not Measured ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.  
 \_\_\_\_\_ ft. after \_\_\_\_\_ hrs. Pumping \_\_\_\_\_ G.P.M.  
 Pumping Test:  Yes (please enclose)  No  
 Yield: \_\_\_\_\_

**14. WATER QUALITY**  
 Chemical Analysis  Yes  No Bacterial Analysis  Yes  No  
 Please enclose lab results.

**15. ARTIFICIAL FILTER (filter pack)**  Yes  No  
 Installed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Effective size \_\_\_\_\_ Uniformity Coefficient \_\_\_\_\_

**16. WELL GROUTED?**  Yes  No  
 Neat Cement  Bentonite  Bentonite/Cement  Other \_\_\_\_\_  
 Depth: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** \_\_\_\_\_ ft. \_\_\_\_\_ direction  
 Type \_\_\_\_\_  
 Well Disinfected  Yes  No Type: \_\_\_\_\_ Amount: \_\_\_\_\_

**18. PUMP:** Date installed: \_\_\_\_\_ Not installed   
 Mfr. Name: \_\_\_\_\_ Model No.: \_\_\_\_\_  
 H.P. \_\_\_\_\_ Volts \_\_\_\_\_ Length of drop pipe \_\_\_\_\_ ft. Capacity \_\_\_\_\_ gpm  
 TYPE:  Submersible  Jet (shallow)  Turbine  
 Jet (deep)  Reciprocating  Centrifugal

**19. WELL DRILLER: Ronald Stewart** **CERT. NO.: 1815B**  
 Address: (Print) \_\_\_\_\_ Level: A B C D (circle one)  
 PO Box 315; Carolina Beach, NC 28428

Telephone No.: 910-458-5020 Fax No.:

\*Indicate Water Bearing Zones  
 (Use a 2nd sheet if needed)

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

**5. REMARKS:**  
 Temporary Well Tract 35 TW-5.  
 Abandoned after sample collection.

Signed: Ronald E Stewart Date: 2/2/2012  
 Well Driller

**6. TYPE:**  Mud Rotary  Jetted  Bored  
 Dug  Air Rotary  Driven  
 Cable tool  Other

If D Level Driller, provide supervising driller's name:





















## Water Well Record

### Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**  
 Name: SCDOT Attn: Gaskins, Chris  
(last) (first)  
 Address: PO Box 191  
 City: Columbia State: SC Zip:  
 Telephone: Work: (803) 737-1473 Home:

**2. LOCATION OF WELL: COUNTY:** Charleston  
 Name: 2533 Spruill Ave. I.I.C / Loren Ziff  
 Street Address: 2533 Spruill Avenue  
 City: North Charleston Zip:  
 Latitude: 32°50'38" N Longitude: 79°57'31" W

**3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:**  
 Tract 57 TW-1

**4. ABANDONMENT:**  Yes  No  
 Grouted Depth: from 40 ft. to 0 ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Black Brown Silty F/M SAND	1 ft	1 ft
Gray Brown Silty F/M SAND	1 ft	2 ft
Gray and Orange Silty F/M SAND	9 ft	11 ft
Orange Tan Silty F/M SAND	2 ft	13 ft
Gray Silty F/M SAND	1 ft	14 ft
Orange Brown Silty F/M SAND	1 ft	15 ft
Gray Silty Clayey SILT w/ few shells	5 ft	20 ft
Gray Silty F/M Sandy Shell Hash	6 ft	26 ft
Gray Fine Sandy SILT	2 ft	28 ft
Brown Fine Sandy SILT	12 ft	40 ft

\*Indicate Water Bearing Zones  
 (Use a 2nd sheet if needed)

**5. REMARKS:**  
 Temporary Well Tract 57 TW-1.  
 Abandoned after sample collection.

**6. TYPE:**  Mud Rotary  Jetted  Bored  
 Dug  Air Rotary  Driven  
 Cable tool  Other

**7. PERMIT NUMBER:** MWA #: 4379 dated 11.07.11

**8. USE:**  
 Residential  Public Supply  Process  
 Irrigation  Air Conditioning  Emergency  
 Test Well  Monitor Well  Replacement

**9. WELL DEPTH (completed)** Date Started: 12.08.11  
 Total depth 30 ft. Date Completed: 12.08.11

**10. CASING:**  Threaded  Welded  
 Diam.: \_\_\_\_\_  
 Type:  PVC  Galvanized  Steel  Other  
 \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth  
 \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth  
 Height: Above  Below   
 Surface \_\_\_\_\_ ft.  
 Weight \_\_\_\_\_ lb./ft.  
 Drive Shoe?  Yes  No

**11. SCREEN:**  
 Type: Stainless Diam.: 1 inch  
 Slot/Gauge: 0.004 in. Length: 4 feet  
 Set Between: 8 - 12 ft. and \_\_\_\_\_ ft. **NOTE: MULTIPLE SCREENS**  
26 - 30 ft. and \_\_\_\_\_ ft. **USE SECOND SHEET**  
 Sieve Analysis  Yes (please enclose)  No

**12. STATIC WATER LEVEL** Not Measured ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.  
 \_\_\_\_\_ ft. after \_\_\_\_\_ hrs. Pumping \_\_\_\_\_ G.P.M.  
 Pumping test:  Yes (please enclose)  No  
 Yield: \_\_\_\_\_

**14. WATER QUALITY**  
 Chemical Analysis  Yes  No Bacterial Analysis  Yes  No  
 Please enclose lab results.

**15. ARTIFICIAL FILTER (filter pack)**  Yes  No  
 Installed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Effective size \_\_\_\_\_ Uniformity Coefficient \_\_\_\_\_

**16. WELL GROUDED?**  Yes  No  
 Neat Cement  Bentonite  Bentonite/Cement  Other \_\_\_\_\_  
 Depth: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** \_\_\_\_\_ ft. \_\_\_\_\_ direction  
 Type \_\_\_\_\_  
 Well Disinfected  Yes  No Type: \_\_\_\_\_ Amount: \_\_\_\_\_

**18. PUMP:** Date Installed: \_\_\_\_\_ Not Installed   
 Mfr. Name: \_\_\_\_\_ Model No.: \_\_\_\_\_  
 H.P. \_\_\_\_\_ Volts \_\_\_\_\_ Length of drop pipe \_\_\_\_\_ ft. Capacity \_\_\_\_\_ gpm  
 TYPE:  Submersible  Jet (shallow)  Turbine  
 Jet (deep)  Reciprocating  Centrifugal

**19. WELL DRILLER:** Chris Bost CERT. NO.: 1503B  
 Address: (Print) Level: A B C D (circle one)  
 PO Box 1369; Concord, NC 28026      
 Telephone No.: 704-933-5538 Fax No.: 704-933-5539

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Chris Bost Date: 1-6-12  
 Well Driller

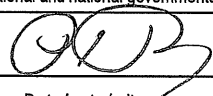

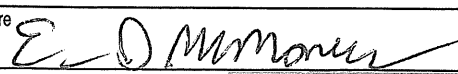
If D Level Driller, provide supervising driller's name:





## **APPENDIX IV**

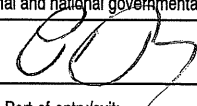


### MANIFESTS

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 803-957-9175	4. Waste Tracking Number 33972
5. Generator's Name and Mailing Address <b>SCDOT 620 Wando Park Blvd Mt. Pleasant, SC 29464</b>			Generator's Site Address (if different than mailing address) <b>Navy Base Building 661 Holland Ave North Charleston, SC 29405</b>		
Generator's Phone: <b>Mary Beth Cline 843-984-0005</b>					
6. Transporter 1 Company Name <b>A&amp;D Environmental Services (SC) LLC</b>			U.S. EPA ID Number <b>SCD987598331</b>		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address <b>A&amp;D Environmental Services, Inc 2718 Uhwarrie Road Archdale, NC 27263</b>			U.S. EPA ID Number <b>NCD986232221</b>		
Facility's Phone: <b>336-434-7750</b>					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. <b>NON-HAZARDOUS NON-REGULATED MATERIAL (Soil)</b>		3	DM	1500	P
2. <b>Non-DOT/Non-RCRA Regulated (Plastic/PPE)</b>		3	DF	300	P
3. <b>Non-DOT/Non-RCRA Regulated (Purge Water)</b>		8	DM	3200	P
4.					
13. Special Handling Instructions and Additional Information 1) 55's (overpacked) 3) 55's (overpacked) 2) 55's In Case of Emergency Call: 803-957-9175      A&D (SC) Job # 14385      Job # 1131-05-554 PO 37512					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offeror's Printed/Typed Name <b>Patrick Morgan</b>			Signature 		Month Day Year <b>12 17 13</b>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.    Port of entry/exit: _____ Transporter Signature (for exports only): _____    Date leaving U.S.: _____					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name <b>Chris Peter</b>			Signature 		Month Day Year <b>12 17 13</b>
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number: _____					
17b. Alternate Facility (or Generator)			U.S. EPA ID Number		
Facility's Phone: _____					
17c. Signature of Alternate Facility (or Generator)					Month Day Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name <b>Eric D McManus</b>			Signature 		Month Day Year <b>12 31 13</b>

GENERATOR

INT'L

TRANSPORTER

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone <b>803-957-9175</b>	4. Waste Tracking Number <b>33973</b>
5. Generator's Name and Mailing Address <b>SCDOT 620 Wando Park Blvd Mt. Pleasant, SC 29464</b>			Generator's Site Address (if different than mailing address) <b>Macalloy Talluah Road North Charleston, SC 29405</b>		
Generator's Phone: <b>Mary Beth Cline 843-824-0005</b>					
6. Transporter 1 Company Name <b>A&amp;D Environmental Services (SC) LLC</b>			U.S. EPA ID Number <b>SCD987592331</b>		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address <b>A&amp;D Environmental Services, Inc 2718 Uhwarrie Road Archdale, NC 27263</b>			U.S. EPA ID Number <b>NCD986232221</b>		
Facility's Phone: <b>336-434-7750</b>					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. NON-HAZARDOUS NON-REGULATED MATERIAL (Soil)		2	DM	1000	P
2. Non-DOT/Non-RCRA Regulated (Soil)		1	DF	500	P
3. Non-DOT/Non-RCRA Regulated (Plastic/PPE)		1	DF	100	P
4. Non-DOT/Non-RCRA Regulated (Water)		1	DF	550	P
13. Special Handling Instructions and Additional Information  <b>In Case of Emergency Call: 803-957-9175      A&amp;D (SC) Job # 14386      Job # 1131-05-554 PO 37512</b>					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offoror's Printed/Typed Name <b>Patrick Morgan</b>			Signature 		Month Day Year <b>12   17   13</b>
15. International Shipments: <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.      Port of entry/exit: _____ Transporter Signature (for exports only): _____      Date leaving U.S.: _____					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name <b>Chris Peter</b>			Signature 		Month Day Year <b>12   17   13</b>
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator)			U.S. EPA ID Number		
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)					Month Day Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name <b>Eric D McManus</b>			Signature 		Month Day Year <b>12   3   13</b>

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



## **APPENDIX V**

### LABORATORY ANALYTICAL REPORTS

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NUK3548  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
12/6/2011 5:19:59 PM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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Certification Summary . . . . .	10
Chain of Custody . . . . .	11

# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK3548

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUK3548-01	Tract 67 SB-1 (0-2)	Soil	11/11/11 08:30	11/12/11 08:30

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- 1
- 2
- 3
- 4
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- 6
- 7
- 8
- 9
- 10
- 11

## Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK3548

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK3548

**Client Sample ID: Tract 67 SB-1 (0-2)**

**Lab Sample ID: NUK3548-01**

**Date Collected: 11/11/11 08:30**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Method: SW846 1311/6010C - TCLP Metals by 6000/7000 Series Methods - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0250		0.0500	0.0250	mg/L		11/30/11 10:10	11/30/11 15:11	1.00

- 1
- 2
- 3
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- 5
- 6
- 7
- 8
- 9
- 10
- 11

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK3548

## Method: SW846 1311/6010C - TCLP Metals by 6000/7000 Series Methods

**Lab Sample ID: 11K6932-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 11K6932**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 11K6932\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00250		0.00500	0.00250	mg/L		11/30/11 10:10	11/30/11 13:59	1.00

**Lab Sample ID: 11K6932-BS1**  
**Matrix: Soil**  
**Analysis Batch: 11K6932**

**Client Sample ID: Lab Control Sample**  
**Prep Type: TCLP**  
**Prep Batch: 11K6932\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.00	1.03		mg/L		103	80 - 120

**Lab Sample ID: 11K6932-MS1**  
**Matrix: Soil**  
**Analysis Batch: 11K6932**

**Client Sample ID: Matrix Spike**  
**Prep Type: TCLP**  
**Prep Batch: 11K6932\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.112		1.00	1.05		mg/L		94	75 - 125

**Lab Sample ID: 11K6932-MSD1**  
**Matrix: Soil**  
**Analysis Batch: 11K6932**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: TCLP**  
**Prep Batch: 11K6932\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.112		1.00	1.08		mg/L		97	75 - 125	2	20

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK3548

## Metals

### Leach Batch: 11K6576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK3548-01	Tract 67 SB-1 (0-2)	TCLP	Soil	TCLP Extraction	

### Analysis Batch: 11K6932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K6932-BLK1	Method Blank	TCLP	Soil	SW846	11K6932_P
11K6932-BS1	Lab Control Sample	TCLP	Soil	1311/6010C SW846	11K6932_P
11K6932-MS1	Matrix Spike	TCLP	Soil	1311/6010C SW846	11K6932_P
11K6932-MSD1	Matrix Spike Duplicate	TCLP	Soil	1311/6010C SW846	11K6932_P
NUK3548-01	Tract 67 SB-1 (0-2)	TCLP	Soil	1311/6010C SW846	11K6932_P

### Prep Batch: 11K6932\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K6932-BLK1	Method Blank	TCLP	Soil	EPA 3010A / 6010	
11K6932-BS1	Lab Control Sample	TCLP	Soil	EPA 3010A / 6010	
11K6932-MS1	Matrix Spike	TCLP	Soil	EPA 3010A / 6010	
11K6932-MSD1	Matrix Spike Duplicate	TCLP	Soil	EPA 3010A / 6010	
NUK3548-01	Tract 67 SB-1 (0-2)	TCLP	Soil	EPA 3010A / 6010	11K6576



# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK3548

**Client Sample ID: Tract 67 SB-1 (0-2)**

**Lab Sample ID: NUK3548-01**

**Date Collected: 11/11/11 08:30**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	TCLP Extraction		1.00	11K6576	11/29/11 15:00	SJM	TAL NSH
TCLP	Prep	EPA 3010A / 6010		1.00	11K6932_P	11/30/11 10:10	ALJ	TAL NSH
TCLP	Analysis	SW846 1311/6010C		1.00	11K6932	11/30/11 15:11	LTB	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK3548

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Method	Method Description	Protocol	Laboratory
SW846 1311/6010C	TCLP Metals by 6000/7000 Series Methods		TAL NSH

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**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Certification Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK3548

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

## Hayes, Ken

---

**From:** Mary Beth Cline [MCline@smeinc.com]  
**Sent:** Monday, November 28, 2011 4:47 PM  
**To:** Hayes, Ken  
**Cc:** Brailsford, Teresa; Chuck Black  
**Subject:** RE: TestAmerica Nashville - Report for project: Port Access Road/1131-08-554 - Final Report:NUK1797

Ken,  
Will you run TCLP Lead on Tract 67 SB-1 (0-2)? Is it out of hold time?

---

Mary Beth Cline, P.E.  
Project Engineer

S&ME Logo  
ENGINEERING INTEGRITY.

S&ME, Inc.  
620 Wando Park Boulevard  
Mt. Pleasant SC 29464 [Map](#)  
Ph: 843.884.0005  
Fax: 843.881.6149  
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mcline@smeinc.com  
www.smeinc.com

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**COOLER RECEIPT**

NUK479Z 3548

Cooler Received/Opened On 11/12/2011@ 8:30

1. Tracking # 8751 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID Ravnger

2. Temperature of rep. sample or temp blank when opened: 1.5 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) JH

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: ICB Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) W

I certify that I attached a label with the unique LIMS number to each container (initial) W

21. Were there Non-Conformance Issues at login? YES NO Was a PIPE generated? YES NO # \_\_\_\_\_



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NUK1797  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
11/23/2011 5:28:00 PM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUK1797-01	Tract 67 SB-1 (0-2)	Soil	11/11/11 08:30	11/12/11 08:30
NUK1797-02	Tract 67 SB-1 (28-32)	Soil	11/11/11 10:30	11/12/11 08:30
NUK1797-03	Tract 67 TW-1 (8-12)	Ground Water	11/11/11 12:30	11/12/11 08:30
NUK1797-04	Trip Blank	Water	11/11/11 00:01	11/12/11 08:30

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
RL1	Reporting limit raised due to sample matrix effects.
pH	pH >2

### GCMS Semivolatiles

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

### Metals

Qualifier	Qualifier Description
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
B	Analyte was detected in the associated Method Blank.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
P7	Sample filtered in lab.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

**Client Sample ID: Tract 67 SB-1 (0-2)**

**Lab Sample ID: NUK1797-01**

Date Collected: 11/11/11 08:30

Matrix: Soil

Date Received: 11/12/11 08:30

Percent Solids: 84.4

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.197		0.0689	0.0345	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Benzene	0.00192	J	0.00276	0.00152	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Bromochloromethane	<0.00165		0.00276	0.00165	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Bromodichloromethane	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Bromoform	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Bromomethane	<0.00165		0.00276	0.00165	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
2-Butanone	<0.0345		0.0689	0.0345	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Carbon disulfide	<0.00496		0.00689	0.00496	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Carbon Tetrachloride	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Chlorobenzene	<0.00152		0.00276	0.00152	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Chlorodibromomethane	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Chloroethane	<0.00345		0.00689	0.00345	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Chloroform	<0.00179		0.00276	0.00179	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Chloromethane	<0.00152		0.00276	0.00152	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Cyclohexane	<0.00689		0.0138	0.00689	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
1,2-Dibromoethane (EDB)	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Methylcyclohexane	<0.00689		0.0138	0.00689	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Dichlorodifluoromethane	<0.00193		0.00276	0.00193	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
1,2-Dichloroethane	<0.00152		0.00276	0.00152	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
1,1-Dichloroethane	<0.00179		0.00276	0.00179	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
1,1-Dichloroethene	<0.00165		0.00276	0.00165	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
trans-1,2-Dichloroethene	<0.00179		0.00276	0.00179	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
1,1,2-Trifluoroethane	<0.00152		0.00276	0.00152	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
cis-1,2-Dichloroethene	<0.00152		0.00276	0.00152	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
1,2-Dichloropropane	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
trans-1,3-Dichloropropene	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
cis-1,3-Dichloropropene	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Ethylbenzene	<0.00152		0.00276	0.00152	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
2-Hexanone	<0.0345		0.0689	0.0345	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Isopropylbenzene	<0.00152		0.00276	0.00152	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Methyl Acetate	<0.00689		0.0138	0.00689	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Methyl tert-Butyl Ether	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Methylene Chloride	<0.00689		0.0138	0.00689	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
4-Methyl-2-pentanone	<0.0345		0.0689	0.0345	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Styrene	<0.00152		0.00276	0.00152	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Tetrachloroethene	<0.00179		0.00276	0.00179	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Toluene	0.00196	J	0.00276	0.00152	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
1,1,1-Trichloroethane	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
1,1,2-Trichloroethane	<0.00345		0.00689	0.00345	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Trichloroethene	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Trichlorofluoromethane	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Vinyl chloride	<0.00138		0.00276	0.00138	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00
Xylenes, total	<0.00345		0.00689	0.00345	mg/kg dry	☼	11/11/11 08:30	11/16/11 16:16	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	89		70 - 130	11/11/11 08:30	11/16/11 16:16	1.00
Dibromofluoromethane	87		70 - 130	11/11/11 08:30	11/16/11 16:16	1.00
Toluene-d8	119		70 - 130	11/11/11 08:30	11/16/11 16:16	1.00
4-Bromofluorobenzene	124		70 - 130	11/11/11 08:30	11/16/11 16:16	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

**Client Sample ID: Tract 67 SB-1 (0-2)**

**Lab Sample ID: NUK1797-01**

**Date Collected: 11/11/11 08:30**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 84.4**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-chloropropane	<0.151	RL1	0.303	0.151	mg/kg dry	☼	11/11/11 08:30	11/16/11 17:19	50.0
1,2-Dichlorobenzene	<0.0606	RL1	0.121	0.0606	mg/kg dry	☼	11/11/11 08:30	11/16/11 17:19	50.0
1,3-Dichlorobenzene	<0.0727	RL1	0.121	0.0727	mg/kg dry	☼	11/11/11 08:30	11/16/11 17:19	50.0
1,4-Dichlorobenzene	<0.0666	RL1	0.121	0.0666	mg/kg dry	☼	11/11/11 08:30	11/16/11 17:19	50.0
1,1,1,2-Tetrachloroethane	<0.0606	RL1	0.121	0.0606	mg/kg dry	☼	11/11/11 08:30	11/16/11 17:19	50.0
1,2,4-Trichlorobenzene	<0.0727	RL1	0.121	0.0727	mg/kg dry	☼	11/11/11 08:30	11/16/11 17:19	50.0
1,2,3-Trichlorobenzene	<0.0666	RL1	0.121	0.0666	mg/kg dry	☼	11/11/11 08:30	11/16/11 17:19	50.0
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	82		70 - 130				11/11/11 08:30	11/16/11 17:19	50.0
Dibromofluoromethane	75		70 - 130				11/11/11 08:30	11/16/11 17:19	50.0
Toluene-d8	102		70 - 130				11/11/11 08:30	11/16/11 17:19	50.0
4-Bromofluorobenzene	99		70 - 130				11/11/11 08:30	11/16/11 17:19	50.0

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0402		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Acenaphthylene</b>	<b>0.425</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Anthracene</b>	<b>0.334</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Benzo (a) anthracene</b>	<b>0.772</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Benzo (a) pyrene</b>	<b>0.880</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Benzo (b) fluoranthene</b>	<b>1.41</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Benzo (g,h,i) perylene</b>	<b>0.418</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Benzo (k) fluoranthene</b>	<b>0.845</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
4-Bromophenyl phenyl ether	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Butyl benzyl phthalate	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Carbazole	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
4-Chloro-3-methylphenol	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
4-Chloroaniline	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Bis(2-chloroethoxy)methane	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Bis(2-chloroethyl)ether	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Bis(2-chloroisopropyl)ether	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
2-Chloronaphthalene	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
2-Chlorophenol	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
4-Chlorophenyl phenyl ether	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Chrysene</b>	<b>0.789</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Dibenz (a,h) anthracene</b>	<b>0.302</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Dibenzofuran	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Di-n-butyl phthalate	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
1,4-Dichlorobenzene	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
1,2-Dichlorobenzene	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
1,3-Dichlorobenzene	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
3,3-Dichlorobenzidine	<0.197		0.788	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
2,4-Dichlorophenol	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Diethyl phthalate	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
2,4-Dimethylphenol	<0.227		0.394	0.227	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Dimethyl phthalate	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
4,6-Dinitro-2-methylphenol	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
2,4-Dinitrophenol	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
2,6-Dinitrotoluene	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
2,4-Dinitrotoluene	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

**Client Sample ID: Tract 67 SB-1 (0-2)**

**Lab Sample ID: NUK1797-01**

**Date Collected: 11/11/11 08:30**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 84.4**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Bis(2-ethylhexyl)phthalate	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Fluoranthene</b>	<b>1.04</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Fluorene	<0.0402		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Hexachlorobenzene	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Hexachlorobutadiene	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Hexachlorocyclopentadiene	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Hexachloroethane	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Indeno (1,2,3-cd) pyrene</b>	<b>0.412</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Isophorone	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>2-Methylnaphthalene</b>	<b>0.0445</b>	<b>J</b>	0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
2-Methylphenol	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
3/4-Methylphenol	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Naphthalene	<0.0402		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
3-Nitroaniline	<0.197		0.985	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
2-Nitroaniline	<0.197		0.985	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
4-Nitroaniline	<0.197		0.985	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Nitrobenzene	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
4-Nitrophenol	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
2-Nitrophenol	<0.232		0.394	0.232	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
N-Nitrosodiphenylamine	<0.216		0.394	0.216	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
N-Nitrosodi-n-propylamine	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Pentachlorophenol	<0.197		0.985	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Phenanthrene</b>	<b>0.106</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
Phenol	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
<b>Pyrene</b>	<b>1.03</b>		0.0792	0.0402	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
1,2,4-Trichlorobenzene	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
2,4,6-Trichlorophenol	<0.197		0.394	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00
2,4,5-Trichlorophenol	<0.197		0.985	0.197	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:02	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	52		18 - 120	11/15/11 07:32	11/15/11 23:02	1.00
2,4,6-Tribromophenol	48		19 - 120	11/15/11 07:32	11/15/11 23:02	1.00
Phenol-d5	41		18 - 120	11/15/11 07:32	11/15/11 23:02	1.00
2-Fluorobiphenyl	48		14 - 120	11/15/11 07:32	11/15/11 23:02	1.00
2-Fluorophenol	38		17 - 120	11/15/11 07:32	11/15/11 23:02	1.00
Nitrobenzene-d5	48		17 - 120	11/15/11 07:32	11/15/11 23:02	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>2720</b>		23.4	11.7	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Antimony	<5.84		11.7	5.84	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
<b>Arsenic</b>	<b>58.0</b>		1.17	0.584	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
<b>Barium</b>	<b>74.0</b>		2.34	1.17	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Beryllium	<0.584		1.17	0.584	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
<b>Cadmium</b>	<b>0.701</b>	<b>J</b>	1.17	0.584	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
<b>Calcium</b>	<b>20700</b>		117	58.4	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
<b>Chromium</b>	<b>13.4</b>		1.17	0.584	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Cobalt	<1.75		3.51	1.75	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
<b>Copper</b>	<b>58.4</b>		2.34	1.17	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
<b>Iron</b>	<b>9120</b>	<b>B</b>	11.7	5.84	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

**Client Sample ID: Tract 67 SB-1 (0-2)**

**Lab Sample ID: NUK1797-01**

Date Collected: 11/11/11 08:30

Matrix: Soil

Date Received: 11/12/11 08:30

Percent Solids: 84.4

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	178		1.17	0.584	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Magnesium	1300		117	58.4	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Manganese	112		3.51	1.75	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Nickel	4.96		2.34	1.17	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Potassium	725		117	58.4	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Selenium	<1.17		2.34	1.17	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Silver	<0.584		1.17	0.584	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Sodium	<117		234	117	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Thallium	<1.17		2.34	1.17	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Vanadium	14.4		11.7	5.84	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00
Zinc	110		11.7	5.84	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:26	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	J	0.12	0.059	mg/kg dry	☼	11/17/11 10:40	11/17/11 13:54	1.0

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	84.4		0.500	0.500	%		11/22/11 13:00	11/23/11 09:32	1.00

**Client Sample ID: Tract 67 SB-1 (28-32)**

**Lab Sample ID: NUK1797-02**

Date Collected: 11/11/11 10:30

Matrix: Soil

Date Received: 11/12/11 08:30

Percent Solids: 61.8

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0796	J	0.0904	0.0452	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Benzene	<0.00199		0.00362	0.00199	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Bromochloromethane	<0.00217		0.00362	0.00217	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Bromodichloromethane	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Bromoform	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Bromomethane	<0.00217		0.00362	0.00217	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
2-Butanone	<0.0452		0.0904	0.0452	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Carbon disulfide	<0.00651		0.00904	0.00651	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Carbon Tetrachloride	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Chlorobenzene	<0.00199		0.00362	0.00199	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Chlorodibromomethane	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Chloroethane	<0.00452		0.00904	0.00452	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Chloroform	<0.00235		0.00362	0.00235	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Chloromethane	<0.00199		0.00362	0.00199	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Cyclohexane	<0.00904		0.0181	0.00904	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,2-Dibromo-3-chloropropane	<0.00452		0.00904	0.00452	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,2-Dibromoethane (EDB)	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Methylcyclohexane	<0.00904		0.0181	0.00904	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,2-Dichlorobenzene	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,3-Dichlorobenzene	<0.00217		0.00362	0.00217	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,4-Dichlorobenzene	<0.00199		0.00362	0.00199	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Dichlorodifluoromethane	<0.00253		0.00362	0.00253	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,2-Dichloroethane	<0.00199		0.00362	0.00199	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,1-Dichloroethane	<0.00235		0.00362	0.00235	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

**Client Sample ID: Tract 67 SB-1 (28-32)**

**Lab Sample ID: NUK1797-02**

**Date Collected: 11/11/11 10:30**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 61.8**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.00217		0.00362	0.00217	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
trans-1,2-Dichloroethene	<0.00235		0.00362	0.00235	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,1,2-Trifluorotrchloroethane	<0.00199		0.00362	0.00199	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
cis-1,2-Dichloroethene	<0.00199		0.00362	0.00199	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,2-Dichloropropane	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
trans-1,3-Dichloropropene	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
cis-1,3-Dichloropropene	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Ethylbenzene	<0.00199		0.00362	0.00199	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
2-Hexanone	<0.0452		0.0904	0.0452	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Isopropylbenzene	<0.00199		0.00362	0.00199	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Methyl Acetate	<0.00904		0.0181	0.00904	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Methyl tert-Butyl Ether	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Methylene Chloride	<0.00904		0.0181	0.00904	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
4-Methyl-2-pentanone	<0.0452		0.0904	0.0452	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Styrene	<0.00199		0.00362	0.00199	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,1,2,2-Tetrachloroethane	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Tetrachloroethene	<0.00235		0.00362	0.00235	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Toluene	<0.00199		0.00362	0.00199	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,2,4-Trichlorobenzene	<0.00217		0.00362	0.00217	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,2,3-Trichlorobenzene	<0.00199		0.00362	0.00199	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,1,1-Trichloroethane	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
1,1,2-Trichloroethane	<0.00452		0.00904	0.00452	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Trichloroethene	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Trichlorofluoromethane	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Vinyl chloride	<0.00181		0.00362	0.00181	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00
Xylenes, total	<0.00452		0.00904	0.00452	mg/kg dry	☼	11/11/11 10:30	11/15/11 20:37	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	92		70 - 130	11/11/11 10:30	11/15/11 20:37	1.00
Dibromofluoromethane	92		70 - 130	11/11/11 10:30	11/15/11 20:37	1.00
Toluene-d8	106		70 - 130	11/11/11 10:30	11/15/11 20:37	1.00
4-Bromofluorobenzene	114		70 - 130	11/11/11 10:30	11/15/11 20:37	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Acenaphthylene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Anthracene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Benzo (a) anthracene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Benzo (a) pyrene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Benzo (b) fluoranthene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Benzo (g,h,i) perylene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Benzo (k) fluoranthene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
4-Bromophenyl phenyl ether	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Butyl benzyl phthalate	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Carbazole	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
4-Chloro-3-methylphenol	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
4-Chloroaniline	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Bis(2-chloroethoxy)methane	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Bis(2-chloroethyl)ether	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Bis(2-chloroisopropyl)ether	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

**Client Sample ID: Tract 67 SB-1 (28-32)**

**Lab Sample ID: NUK1797-02**

**Date Collected: 11/11/11 10:30**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 61.8**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
2-Chlorophenol	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
4-Chlorophenyl phenyl ether	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Chrysene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Dibenz (a,h) anthracene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Dibenzofuran	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Di-n-butyl phthalate	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
1,4-Dichlorobenzene	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
1,2-Dichlorobenzene	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
1,3-Dichlorobenzene	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
3,3-Dichlorobenzidine	<0.263		1.05	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
2,4-Dichlorophenol	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Diethyl phthalate	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
2,4-Dimethylphenol	<0.303		0.525	0.303	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Dimethyl phthalate	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
4,6-Dinitro-2-methylphenol	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
2,4-Dinitrophenol	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
2,6-Dinitrotoluene	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
2,4-Dinitrotoluene	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Di-n-octyl phthalate	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Bis(2-ethylhexyl)phthalate	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Fluoranthene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Fluorene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Hexachlorobenzene	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Hexachlorobutadiene	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Hexachlorocyclopentadiene	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Hexachloroethane	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Indeno (1,2,3-cd) pyrene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Isophorone	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
2-Methylnaphthalene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
2-Methylphenol	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
3/4-Methylphenol	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Naphthalene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
3-Nitroaniline	<0.263		1.31	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
2-Nitroaniline	<0.263		1.31	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
4-Nitroaniline	<0.263		1.31	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Nitrobenzene	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
4-Nitrophenol	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
2-Nitrophenol	<0.309		0.525	0.309	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
N-Nitrosodiphenylamine	<0.288		0.525	0.288	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
N-Nitrosodi-n-propylamine	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Pentachlorophenol	<0.263		1.31	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Phenanthrene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Phenol	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
Pyrene	<0.0536		0.106	0.0536	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
1,2,4-Trichlorobenzene	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
2,4,6-Trichlorophenol	<0.263		0.525	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00
2,4,5-Trichlorophenol	<0.263		1.31	0.263	mg/kg dry	☼	11/15/11 07:32	11/15/11 23:21	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Client Sample ID: Tract 67 SB-1 (28-32)

## Lab Sample ID: NUK1797-02

Date Collected: 11/11/11 10:30

Matrix: Soil

Date Received: 11/12/11 08:30

Percent Solids: 61.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	79		18 - 120	11/15/11 07:32	11/15/11 23:21	1.00
2,4,6-Tribromophenol	63		19 - 120	11/15/11 07:32	11/15/11 23:21	1.00
Phenol-d5	57		18 - 120	11/15/11 07:32	11/15/11 23:21	1.00
2-Fluorobiphenyl	60		14 - 120	11/15/11 07:32	11/15/11 23:21	1.00
2-Fluorophenol	54		17 - 120	11/15/11 07:32	11/15/11 23:21	1.00
Nitrobenzene-d5	59		17 - 120	11/15/11 07:32	11/15/11 23:21	1.00

### Method: SW846 6010C - Total Metals by EPA 6010C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2930		32.3	16.2	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Antimony	<0.08		16.2	8.08	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Arsenic	9.25		1.62	0.808	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Barium	10.1		3.23	1.62	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Beryllium	<0.808		1.62	0.808	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Cadmium	<0.808		1.62	0.808	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Calcium	23400		162	80.8	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Chromium	8.08		1.62	0.808	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Cobalt	3.40	J	4.85	2.43	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Copper	4.72		3.23	1.62	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Iron	12100	B	16.2	8.08	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Lead	8.12		1.62	0.808	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Magnesium	2570		162	80.8	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Manganese	210		4.85	2.43	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Nickel	4.46		3.23	1.62	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Potassium	941		162	80.8	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Selenium	<1.62		3.23	1.62	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Silver	<0.808		1.62	0.808	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Sodium	294	J	323	162	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Thallium	<1.62		3.23	1.62	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Vanadium	8.70	J	16.2	8.08	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00
Zinc	21.7		16.2	8.08	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:29	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.16	0.080	mg/kg dry	☼	11/17/11 10:40	11/17/11 13:57	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	61.8		0.500	0.500	%		11/22/11 13:00	11/23/11 09:32	1.00

## Client Sample ID: Tract 67 TW-1 (8-12)

## Lab Sample ID: NUK1797-03

Date Collected: 11/11/11 12:30

Matrix: Ground Water

Date Received: 11/12/11 08:30

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0	pH	50.0	25.0	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Benzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Bromochloromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Bromodichloromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Bromoform	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

**Client Sample ID: Tract 67 TW-1 (8-12)**

**Lab Sample ID: NUK1797-03**

**Date Collected: 11/11/11 12:30**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
2-Butanone	<25.0	L1 pH	50.0	25.0	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Carbon disulfide	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Carbon Tetrachloride	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Chlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Chlorodibromomethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Chloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Chloroform	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Chloromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Cyclohexane	<2.50	pH	5.00	2.50	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,2-Dibromo-3-chloropropane	<5.00	pH	10.0	5.00	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,2-Dibromoethane (EDB)	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Methylcyclohexane	<2.50	pH	5.00	2.50	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,2-Dichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,3-Dichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,4-Dichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Dichlorodifluoromethane	<0.600	pH	1.00	0.600	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,2-Dichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,1-Dichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,1-Dichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
trans-1,2-Dichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,1,2-Trifluorotrchloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
cis-1,2-Dichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,2-Dichloropropane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
trans-1,3-Dichloropropene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
cis-1,3-Dichloropropene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Ethylbenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
2-Hexanone	<5.00	pH	10.0	5.00	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Isopropylbenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Methyl Acetate	<5.00	pH	10.0	5.00	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Methyl tert-Butyl Ether	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Methylene Chloride	<2.50	pH	5.00	2.50	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
4-Methyl-2-pentanone	<5.00	pH	10.0	5.00	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Styrene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,1,2,2-Tetrachloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Tetrachloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Toluene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,2,4-Trichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,2,3-Trichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,1,1-Trichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
1,1,2-Trichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Trichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Trichlorofluoromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Vinyl chloride	<0.500	pH	1.00	0.500	ug/L		11/12/11 15:37	11/12/11 22:35	1.00
Xylenes, total	<1.50	pH	3.00	1.50	ug/L		11/12/11 15:37	11/12/11 22:35	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130	11/12/11 15:37	11/12/11 22:35	1.00
Dibromofluoromethane	97		70 - 130	11/12/11 15:37	11/12/11 22:35	1.00
Toluene-d8	102		70 - 130	11/12/11 15:37	11/12/11 22:35	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

**Client Sample ID: Tract 67 TW-1 (8-12)**

**Lab Sample ID: NUK1797-03**

**Date Collected: 11/11/11 12:30**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130	11/12/11 15:37	11/12/11 22:35	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Carbazole	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Chrysene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Fluorene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Isophorone	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

**Client Sample ID: Tract 67 TW-1 (8-12)**

**Lab Sample ID: NUK1797-03**

**Date Collected: 11/11/11 12:30**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Phenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
Pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 05:33	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 05:33	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	95		13 - 120	11/14/11 12:40	11/15/11 05:33	1.00
2,4,6-Tribromophenol	78		10 - 120	11/14/11 12:40	11/15/11 05:33	1.00
Phenol-d5	26		10 - 120	11/14/11 12:40	11/15/11 05:33	1.00
2-Fluorobiphenyl	68		29 - 120	11/14/11 12:40	11/15/11 05:33	1.00
2-Fluorophenol	42		10 - 120	11/14/11 12:40	11/15/11 05:33	1.00
Nitrobenzene-d5	80		27 - 120	11/14/11 12:40	11/15/11 05:33	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.882</b>	<b>P7</b>	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Arsenic	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
<b>Barium</b>	<b>0.133</b>	<b>P7</b>	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Cadmium	<0.000600	P7	0.00100	0.000600	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
<b>Calcium</b>	<b>25.9</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Cobalt	<0.0100	P7	0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
<b>Iron</b>	<b>0.361</b>	<b>P7</b>	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Lead	<0.00250	P7	0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
<b>Magnesium</b>	<b>2.52</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
<b>Manganese</b>	<b>0.0319</b>	<b>P7</b>	0.0150	0.00750	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Nickel	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
<b>Potassium</b>	<b>5.69</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Silver	<0.00250	P7	0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
<b>Sodium</b>	<b>8.60</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 20:16	1.00
<b>Zinc</b>	<b>0.0797</b>	<b>P7</b>	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 20:16	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 6010C - Total Metals by EPA 6010C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>4.08</b>		0.100	0.0500	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
<b>Barium</b>	<b>0.0827</b>		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
<b>Calcium</b>	<b>22.8</b>		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
<b>Chromium</b>	<b>0.00930</b>		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
<b>Iron</b>	<b>3.57</b>		0.0500	0.0250	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
<b>Lead</b>	<b>0.00320</b>	<b>J</b>	0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
<b>Magnesium</b>	<b>2.44</b>		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
<b>Manganese</b>	<b>0.0323</b>		0.0150	0.00750	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
<b>Nickel</b>	<b>0.00740</b>	<b>J</b>	0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
<b>Potassium</b>	<b>5.32</b>		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
<b>Sodium</b>	<b>8.35</b>		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
<b>Vanadium</b>	<b>0.0102</b>	<b>J</b>	0.0200	0.0100	mg/L		11/15/11 07:00	11/15/11 16:35	1.00
<b>Zinc</b>	<b>0.0675</b>		0.0500	0.0250	mg/L		11/15/11 07:00	11/15/11 16:35	1.00

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		11/15/11 09:40	11/15/11 16:13	1.00

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		11/14/11 10:30	11/14/11 15:52	1.00

**Client Sample ID: Trip Blank**

**Date Collected: 11/11/11 00:01**

**Date Received: 11/12/11 08:30**

**Lab Sample ID: NUK1797-04**

**Matrix: Water**

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Benzene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Bromoform	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
2-Butanone	<25.0	L1	50.0	25.0	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Chloroform	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

**Client Sample ID: Trip Blank**

**Lab Sample ID: NUK1797-04**

**Date Collected: 11/11/11 00:01**

**Matrix: Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	<2.50		5.00	2.50	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Styrene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Toluene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		11/12/11 15:37	11/12/11 16:37	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		11/12/11 15:37	11/12/11 16:37	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	99		70 - 130	11/12/11 15:37	11/12/11 16:37	1.00
Dibromofluoromethane	97		70 - 130	11/12/11 15:37	11/12/11 16:37	1.00
Toluene-d8	96		70 - 130	11/12/11 15:37	11/12/11 16:37	1.00
4-Bromofluorobenzene	99		70 - 130	11/12/11 15:37	11/12/11 16:37	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 11K2970-BLK1**

**Matrix: Water**

**Analysis Batch: U020217**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K2970\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Benzene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Bromoform	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Chloroform	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Styrene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Toluene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		11/11/11 13:57	11/12/11 15:28	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K2970-BLK1**

**Matrix: Water**

**Analysis Batch: U020217**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K2970\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<1.50		3.00	1.50	ug/L		11/11/11 13:57	11/12/11 15:28	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		70 - 130	11/11/11 13:57	11/12/11 15:28	1.00
Dibromofluoromethane	97		70 - 130	11/11/11 13:57	11/12/11 15:28	1.00
Toluene-d8	95		70 - 130	11/11/11 13:57	11/12/11 15:28	1.00
4-Bromofluorobenzene	99		70 - 130	11/11/11 13:57	11/12/11 15:28	1.00

**Lab Sample ID: 11K2970-BS1**

**Matrix: Water**

**Analysis Batch: U020217**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K2970\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	125		ug/L		125	54 - 145
Benzene	20.0	20.8		ug/L		104	80 - 121
Bromochloromethane	20.0	21.7		ug/L		108	78 - 129
Bromodichloromethane	20.0	17.8		ug/L		89	75 - 129
Bromoform	20.0	13.4		ug/L		67	46 - 145
Bromomethane	20.0	14.2		ug/L		71	41 - 150
2-Butanone	100	128		ug/L		128	62 - 133
Carbon disulfide	20.0	16.2		ug/L		81	77 - 126
Carbon Tetrachloride	20.0	19.0		ug/L		95	64 - 147
Chlorobenzene	20.0	21.2		ug/L		106	80 - 120
Chlorodibromomethane	20.0	16.4		ug/L		82	69 - 133
Chloroethane	20.0	16.1		ug/L		80	72 - 120
Chloroform	20.0	21.7		ug/L		108	73 - 129
Chloromethane	20.0	9.89		ug/L		49	12 - 150
Cyclohexane	20.0	19.7		ug/L		98	73 - 122
1,2-Dibromo-3-chloropropane	20.0	17.2		ug/L		86	54 - 125
1,2-Dibromoethane (EDB)	20.0	20.2		ug/L		101	80 - 129
Methylcyclohexane	20.0	20.9		ug/L		104	71 - 129
1,2-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 121
1,3-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 122
1,4-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
Dichlorodifluoromethane	20.0	18.7		ug/L		94	37 - 127
1,2-Dichloroethane	20.0	20.5		ug/L		102	77 - 121
1,1-Dichloroethane	20.0	20.4		ug/L		102	78 - 125
1,1-Dichloroethene	20.0	19.3		ug/L		96	79 - 124
trans-1,2-Dichloroethene	20.0	20.0		ug/L		100	79 - 126
1,1,2-Trifluoro-trichloroethane	20.0	19.6		ug/L		98	77 - 129
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	76 - 125
1,2-Dichloropropane	20.0	18.8		ug/L		94	75 - 120
trans-1,3-Dichloropropene	20.0	17.9		ug/L		90	63 - 134
cis-1,3-Dichloropropene	20.0	19.4		ug/L		97	74 - 140
Ethylbenzene	20.0	21.0		ug/L		105	80 - 130
2-Hexanone	100	116		ug/L		116	60 - 142
Isopropylbenzene	20.0	22.8		ug/L		114	80 - 141
Methyl Acetate	20.0	17.8		ug/L		89	64 - 150
Methyl tert-Butyl Ether	20.0	22.1		ug/L		110	72 - 133



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K2970-BS1**

**Matrix: Water**

**Analysis Batch: U020217**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K2970\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	20.0	18.9		ug/L		94	79 - 123	
4-Methyl-2-pentanone	100	111		ug/L		111	60 - 137	
Styrene	20.0	21.7		ug/L		109	80 - 127	
1,1,2,2-Tetrachloroethane	20.0	21.5		ug/L		108	69 - 131	
Tetrachloroethene	20.0	19.0		ug/L		95	80 - 126	
Toluene	20.0	20.2		ug/L		101	80 - 126	
1,2,4-Trichlorobenzene	20.0	20.8		ug/L		104	63 - 133	
1,2,3-Trichlorobenzene	20.0	22.6		ug/L		113	62 - 133	
1,1,1-Trichloroethane	20.0	20.1		ug/L		100	78 - 135	
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	80 - 124	
Trichloroethene	20.0	20.5		ug/L		102	80 - 123	
Trichlorofluoromethane	20.0	17.6		ug/L		88	65 - 124	
Vinyl chloride	20.0	17.0		ug/L		85	68 - 120	
Xylenes, total	60.0	63.3		ug/L		105	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	103		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	101		70 - 130

**Lab Sample ID: 11K2970-BSD1**

**Matrix: Water**

**Analysis Batch: U020217**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K2970\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Acetone	100	151		ug/L		151	54 - 145	19	21	
Benzene	20.0	21.8		ug/L		109	80 - 121	5	17	
Bromochloromethane	20.0	22.0		ug/L		110	78 - 129	1	17	
Bromodichloromethane	20.0	18.6		ug/L		93	75 - 129	4	18	
Bromoform	20.0	13.5		ug/L		68	46 - 145	1	16	
Bromomethane	20.0	13.4		ug/L		67	41 - 150	5	50	
2-Butanone	100	140	L1	ug/L		140	62 - 133	9	19	
Carbon disulfide	20.0	17.4		ug/L		87	77 - 126	7	21	
Carbon Tetrachloride	20.0	19.8		ug/L		99	64 - 147	4	19	
Chlorobenzene	20.0	22.0		ug/L		110	80 - 120	4	14	
Chlorodibromomethane	20.0	16.8		ug/L		84	69 - 133	2	15	
Chloroethane	20.0	16.6		ug/L		83	72 - 120	3	20	
Chloroform	20.0	22.2		ug/L		111	73 - 129	2	18	
Chloromethane	20.0	10.4		ug/L		52	12 - 150	5	31	
Cyclohexane	20.0	20.6		ug/L		103	73 - 122	5	16	
1,2-Dibromo-3-chloropropane	20.0	17.4		ug/L		87	54 - 125	2	24	
1,2-Dibromoethane (EDB)	20.0	21.0		ug/L		105	80 - 129	4	15	
Methylcyclohexane	20.0	22.2		ug/L		111	71 - 129	6	19	
1,2-Dichlorobenzene	20.0	22.6		ug/L		113	80 - 121	5	15	
1,3-Dichlorobenzene	20.0	22.3		ug/L		111	80 - 122	4	15	
1,4-Dichlorobenzene	20.0	22.5		ug/L		112	80 - 120	4	15	
Dichlorodifluoromethane	20.0	19.2		ug/L		96	37 - 127	3	18	
1,2-Dichloroethane	20.0	20.9		ug/L		105	77 - 121	2	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K2970-BSD1**

**Matrix: Water**

**Analysis Batch: U020217**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K2970\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,1-Dichloroethane	20.0	20.8		ug/L		104	78 - 125	2	17	
1,1-Dichloroethene	20.0	20.5		ug/L		103	79 - 124	6	17	
trans-1,2-Dichloroethene	20.0	20.7		ug/L		104	79 - 126	3	16	
1,1,2-Trifluorotrchloroethane	20.0	20.6		ug/L		103	77 - 129	5	18	
cis-1,2-Dichloroethene	20.0	20.5		ug/L		102	76 - 125	0.7	17	
1,2-Dichloropropane	20.0	19.5		ug/L		97	75 - 120	3	17	
trans-1,3-Dichloropropene	20.0	18.2		ug/L		91	63 - 134	1	14	
cis-1,3-Dichloropropene	20.0	19.8		ug/L		99	74 - 140	2	15	
Ethylbenzene	20.0	22.3		ug/L		111	80 - 130	6	15	
2-Hexanone	100	127		ug/L		127	60 - 142	9	15	
Isopropylbenzene	20.0	23.2		ug/L		116	80 - 141	1	16	
Methyl Acetate	20.0	18.3		ug/L		92	64 - 150	3	31	
Methyl tert-Butyl Ether	20.0	22.4		ug/L		112	72 - 133	1	16	
Methylene Chloride	20.0	19.7		ug/L		98	79 - 123	4	17	
4-Methyl-2-pentanone	100	115		ug/L		115	60 - 137	3	17	
Styrene	20.0	22.6		ug/L		113	80 - 127	4	24	
1,1,2,2-Tetrachloroethane	20.0	22.8		ug/L		114	69 - 131	6	20	
Tetrachloroethene	20.0	19.6		ug/L		98	80 - 126	4	16	
Toluene	20.0	21.2		ug/L		106	80 - 126	4	15	
1,2,4-Trichlorobenzene	20.0	22.2		ug/L		111	63 - 133	6	19	
1,2,3-Trichlorobenzene	20.0	22.5		ug/L		113	62 - 133	0.4	25	
1,1,1-Trichloroethane	20.0	20.8		ug/L		104	78 - 135	4	17	
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	80 - 124	4	15	
Trichloroethene	20.0	21.7		ug/L		109	80 - 123	6	17	
Trichlorofluoromethane	20.0	17.9		ug/L		90	65 - 124	2	18	
Vinyl chloride	20.0	17.8		ug/L		89	68 - 120	4	17	
Xylenes, total	60.0	66.1		ug/L		110	80 - 132	4	15	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	101		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	94		70 - 130
4-Bromofluorobenzene	99		70 - 130

**Lab Sample ID: 11K2970-MS1**

**Matrix: Water**

**Analysis Batch: U020217**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K2970\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	<250		2500	2480		ug/L		99	45 - 141	
Benzene	<5.00		500	443		ug/L		89	75 - 133	
Bromochloromethane	<5.00		500	445		ug/L		89	67 - 139	
Bromodichloromethane	<5.00		500	420		ug/L		84	70 - 140	
Bromoform	<5.00		500	343		ug/L		69	42 - 147	
Bromomethane	<5.00		500	284		ug/L		57	16 - 163	
2-Butanone	<250		2500	2660		ug/L		106	50 - 138	
Carbon disulfide	<5.00		500	232	M8	ug/L		46	48 - 152	
Carbon Tetrachloride	<5.00		500	428		ug/L		86	62 - 164	
Chlorobenzene	<5.00		500	467		ug/L		93	80 - 129	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K2970-MS1

Matrix: Water

Analysis Batch: U020217

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11K2970\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlorodibromomethane	<5.00		500	414		ug/L		83	66 - 140
Chloroethane	<5.00		500	386		ug/L		77	58 - 137
Chloroform	<5.00		500	510		ug/L		102	66 - 138
Chloromethane	<5.00		500	204		ug/L		41	10 - 169
Cyclohexane	<25.0		500	374		ug/L		75	58 - 144
1,2-Dibromo-3-chloropropane	<50.0		500	378		ug/L		76	52 - 126
1,2-Dibromoethane (EDB)	<5.00		500	470		ug/L		94	75 - 137
Methylcyclohexane	<25.0		500	420		ug/L		84	59 - 151
1,2-Dichlorobenzene	<5.00		500	501		ug/L		100	79 - 128
1,3-Dichlorobenzene	<5.00		500	488		ug/L		98	77 - 131
1,4-Dichlorobenzene	<5.00		500	487		ug/L		97	78 - 126
Dichlorodifluoromethane	<6.00		500	330		ug/L		66	40 - 127
1,2-Dichloroethane	14.8		500	432		ug/L		83	64 - 136
1,1-Dichloroethane	<5.00		500	433		ug/L		87	71 - 139
1,1-Dichloroethene	11.1		500	415		ug/L		81	70 - 142
trans-1,2-Dichloroethene	<5.00		500	394		ug/L		79	66 - 143
1,1,2-Trifluorotrchloroethane	<5.00		500	439		ug/L		88	72 - 148
cis-1,2-Dichloroethene	11.6		500	431		ug/L		84	68 - 138
1,2-Dichloropropane	<5.00		500	424		ug/L		85	67 - 131
trans-1,3-Dichloropropene	<5.00		500	393		ug/L		79	59 - 135
cis-1,3-Dichloropropene	<5.00		500	436		ug/L		87	71 - 141
Ethylbenzene	<5.00		500	458		ug/L		92	79 - 139
2-Hexanone	<50.0		2500	2550		ug/L		102	50 - 150
Isopropylbenzene	<5.00		500	511		ug/L		102	80 - 153
Methyl Acetate	<50.0		500	365		ug/L		73	30 - 165
Methyl tert-Butyl Ether	<5.00		500	468		ug/L		94	66 - 141
Methylene Chloride	<25.0		500	398		ug/L		80	64 - 139
4-Methyl-2-pentanone	<50.0		2500	2540		ug/L		102	50 - 147
Styrene	<5.00		500	456		ug/L		91	61 - 148
1,1,2,2-Tetrachloroethane	<5.00		500	509		ug/L		102	56 - 143
Tetrachloroethene	526		500	901		ug/L		75	72 - 145
Toluene	<5.00		500	464		ug/L		93	75 - 136
1,2,4-Trichlorobenzene	<5.00		500	448		ug/L		90	60 - 136
1,2,3-Trichlorobenzene	<5.00		500	403		ug/L		81	55 - 138
1,1,1-Trichloroethane	<5.00		500	456		ug/L		91	76 - 149
1,1,2-Trichloroethane	<5.00		500	492		ug/L		98	74 - 134
Trichloroethene	5.10		500	452		ug/L		89	73 - 144
Trichlorofluoromethane	<5.00		500	426		ug/L		85	58 - 139
Vinyl chloride	<5.00		500	349		ug/L		70	56 - 129
Xylenes, total	<15.0		1500	1350		ug/L		90	74 - 141

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	96		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	101		70 - 130
4-Bromofluorobenzene	99		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K2970-MSD1**

**Matrix: Water**

**Analysis Batch: U020217**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K2970\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
	Result								Limits	RPD		
Acetone	<250		2500	2630		ug/L		105	45 - 141	6	21	
Benzene	<5.00		500	453		ug/L		91	75 - 133	2	17	
Bromochloromethane	<5.00		500	436		ug/L		87	67 - 139	2	17	
Bromodichloromethane	<5.00		500	432		ug/L		86	70 - 140	3	18	
Bromoform	<5.00		500	365		ug/L		73	42 - 147	6	16	
Bromomethane	<5.00		500	258		ug/L		52	16 - 163	10	50	
2-Butanone	<250		2500	2760		ug/L		111	50 - 138	4	19	
Carbon disulfide	<5.00		500	238		ug/L		48	48 - 152	3	21	
Carbon Tetrachloride	<5.00		500	452		ug/L		90	62 - 164	5	19	
Chlorobenzene	<5.00		500	481		ug/L		96	80 - 129	3	14	
Chlorodibromomethane	<5.00		500	440		ug/L		88	66 - 140	6	15	
Chloroethane	<5.00		500	343		ug/L		69	58 - 137	12	20	
Chloroform	<5.00		500	518		ug/L		104	66 - 138	2	18	
Chloromethane	<5.00		500	205		ug/L		41	10 - 169	0.3	31	
Cyclohexane	<25.0		500	376		ug/L		75	58 - 144	0.6	16	
1,2-Dibromo-3-chloropropane	<50.0		500	420		ug/L		84	52 - 126	10	24	
1,2-Dibromoethane (EDB)	<5.00		500	498		ug/L		100	75 - 137	6	15	
Methylcyclohexane	<25.0		500	426		ug/L		85	59 - 151	1	19	
1,2-Dichlorobenzene	<5.00		500	506		ug/L		101	79 - 128	1	15	
1,3-Dichlorobenzene	<5.00		500	502		ug/L		100	77 - 131	3	15	
1,4-Dichlorobenzene	<5.00		500	508		ug/L		102	78 - 126	4	15	
Dichlorodifluoromethane	<6.00		500	297		ug/L		59	40 - 127	11	18	
1,2-Dichloroethane	14.8		500	444		ug/L		86	64 - 136	3	17	
1,1-Dichloroethane	<5.00		500	445		ug/L		89	71 - 139	3	17	
1,1-Dichloroethene	11.1		500	429		ug/L		84	70 - 142	3	17	
trans-1,2-Dichloroethene	<5.00		500	395		ug/L		79	66 - 143	0.08	16	
1,1,2-Trifluorotrchloroethane	<5.00		500	450		ug/L		90	72 - 148	2	18	
cis-1,2-Dichloroethene	11.6		500	441		ug/L		86	68 - 138	2	17	
1,2-Dichloropropane	<5.00		500	427		ug/L		85	67 - 131	0.8	17	
trans-1,3-Dichloropropene	<5.00		500	428		ug/L		86	59 - 135	8	14	
cis-1,3-Dichloropropene	<5.00		500	465		ug/L		93	71 - 141	6	15	
Ethylbenzene	<5.00		500	477		ug/L		95	79 - 139	4	15	
2-Hexanone	<50.0		2500	2730		ug/L		109	50 - 150	7	15	
Isopropylbenzene	<5.00		500	538		ug/L		108	80 - 153	5	16	
Methyl Acetate	<50.0		500	376		ug/L		75	30 - 165	3	31	
Methyl tert-Butyl Ether	<5.00		500	489		ug/L		98	66 - 141	5	16	
Methylene Chloride	<25.0		500	406		ug/L		81	64 - 139	2	17	
4-Methyl-2-pentanone	<50.0		2500	2700		ug/L		108	50 - 147	6	17	
Styrene	<5.00		500	483		ug/L		97	61 - 148	6	24	
1,1,2,2-Tetrachloroethane	<5.00		500	529		ug/L		106	56 - 143	4	20	
Tetrachloroethene	526		500	937		ug/L		82	72 - 145	4	16	
Toluene	<5.00		500	474		ug/L		95	75 - 136	2	15	
1,2,4-Trichlorobenzene	<5.00		500	516		ug/L		103	60 - 136	14	19	
1,2,3-Trichlorobenzene	<5.00		500	508		ug/L		102	55 - 138	23	25	
1,1,1-Trichloroethane	<5.00		500	477		ug/L		95	76 - 149	5	17	
1,1,2-Trichloroethane	<5.00		500	519		ug/L		104	74 - 134	5	15	
Trichloroethene	5.10		500	461		ug/L		91	73 - 144	2	17	
Trichlorofluoromethane	<5.00		500	394		ug/L		79	58 - 139	8	18	
Vinyl chloride	<5.00		500	327		ug/L		65	56 - 129	7	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K2970-MSD1**

**Matrix: Water**

**Analysis Batch: U020217**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K2970\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	<15.0		1500	1410		ug/L		94	74 - 141	4	15
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1,2-Dichloroethane-d4	94		70 - 130								
Dibromofluoromethane	100		70 - 130								
Toluene-d8	102		70 - 130								
4-Bromofluorobenzene	97		70 - 130								

**Lab Sample ID: 11K3920-BLK1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,1,2-Trifluoroethane	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-BLK1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	90		70 - 130	11/15/11 13:05	11/15/11 16:24	1.00
Dibromofluoromethane	89		70 - 130	11/15/11 13:05	11/15/11 16:24	1.00
Toluene-d8	99		70 - 130	11/15/11 13:05	11/15/11 16:24	1.00
4-Bromofluorobenzene	104		70 - 130	11/15/11 13:05	11/15/11 16:24	1.00

**Lab Sample ID: 11K3920-BLK2**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-BLK2**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,1,2-Trifluorotrchloroethane	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Methyl Acetate	<0.250		0.500	0.250	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	83		70 - 130	11/15/11 13:05	11/15/11 16:55	50.0
Dibromofluoromethane	76		70 - 130	11/15/11 13:05	11/15/11 16:55	50.0
Toluene-d8	102		70 - 130	11/15/11 13:05	11/15/11 16:55	50.0
4-Bromofluorobenzene	102		70 - 130	11/15/11 13:05	11/15/11 16:55	50.0

**Lab Sample ID: 11K3920-BS1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	255		ug/kg		102	51 - 149
Benzene	50.0	48.2		ug/kg		96	75 - 127
Bromochloromethane	50.0	46.8		ug/kg		94	70 - 132
Bromodichloromethane	50.0	45.1		ug/kg		90	68 - 135
Bromoform	50.0	58.9		ug/kg		118	36 - 150
Bromomethane	50.0	44.5		ug/kg		89	43 - 142
2-Butanone	250	249		ug/kg		100	61 - 132
Carbon disulfide	50.0	52.4		ug/kg		105	74 - 135
Carbon Tetrachloride	50.0	51.6		ug/kg		103	70 - 141
Chlorobenzene	50.0	54.8		ug/kg		110	84 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-BS1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Chlorodibromomethane	50.0	49.7		ug/kg		99	66 - 134	
Chloroethane	50.0	48.0		ug/kg		96	53 - 144	
Chloroform	50.0	45.8		ug/kg		92	76 - 130	
Chloromethane	50.0	38.3		ug/kg		77	23 - 150	
Cyclohexane	50.0	51.4		ug/kg		103	70 - 133	
1,2-Dibromo-3-chloropropane	50.0	48.1		ug/kg		96	49 - 142	
1,2-Dibromoethane (EDB)	50.0	58.8		ug/kg		118	80 - 135	
Methylcyclohexane	50.0	53.0		ug/kg		106	69 - 140	
1,2-Dichlorobenzene	50.0	56.0		ug/kg		112	80 - 134	
1,3-Dichlorobenzene	50.0	54.7		ug/kg		109	79 - 137	
1,4-Dichlorobenzene	50.0	53.9		ug/kg		108	77 - 139	
Dichlorodifluoromethane	50.0	24.9		ug/kg		50	12 - 144	
1,2-Dichloroethane	50.0	46.1		ug/kg		92	65 - 134	
1,1-Dichloroethane	50.0	48.8		ug/kg		98	75 - 124	
1,1-Dichloroethene	50.0	49.8		ug/kg		100	75 - 131	
trans-1,2-Dichloroethene	50.0	48.9		ug/kg		98	76 - 128	
1,1,2-Trifluorotrchloroethane	50.0	50.3		ug/kg		101	67 - 136	
cis-1,2-Dichloroethene	50.0	48.7		ug/kg		97	75 - 125	
1,2-Dichloropropane	50.0	47.4		ug/kg		95	69 - 120	
trans-1,3-Dichloropropene	50.0	52.2		ug/kg		104	62 - 139	
cis-1,3-Dichloropropene	50.0	55.8		ug/kg		112	73 - 148	
Ethylbenzene	50.0	57.2		ug/kg		114	80 - 134	
2-Hexanone	250	308		ug/kg		123	57 - 148	
Isopropylbenzene	50.0	64.5		ug/kg		129	80 - 150	
Methyl Acetate	50.0	54.4		ug/kg		109	11 - 170	
Methyl tert-Butyl Ether	50.0	51.8		ug/kg		104	70 - 136	
Methylene Chloride	50.0	53.0		ug/kg		106	68 - 144	
4-Methyl-2-pentanone	250	303		ug/kg		121	59 - 138	
Styrene	50.0	58.1		ug/kg		116	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	56.6		ug/kg		113	66 - 134	
Tetrachloroethene	50.0	56.1		ug/kg		112	78 - 140	
Toluene	50.0	56.8		ug/kg		114	80 - 132	
1,2,4-Trichlorobenzene	50.0	60.8		ug/kg		122	62 - 150	
1,2,3-Trichlorobenzene	50.0	58.5		ug/kg		117	70 - 150	
1,1,1-Trichloroethane	50.0	49.7		ug/kg		99	72 - 140	
1,1,2-Trichloroethane	50.0	56.5		ug/kg		113	78 - 128	
Trichloroethene	50.0	50.4		ug/kg		101	77 - 127	
Trichlorofluoromethane	50.0	47.6		ug/kg		95	50 - 140	
Vinyl chloride	50.0	44.2		ug/kg		88	47 - 136	
Xylenes, total	150	170		ug/kg		114	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	85		70 - 130
Dibromofluoromethane	88		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	102		70 - 130



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-BSD1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Acetone	250	291		ug/kg		116	51 - 149	13	50	
Benzene	50.0	57.5		ug/kg		115	75 - 127	18	50	
Bromochloromethane	50.0	55.1		ug/kg		110	70 - 132	16	50	
Bromodichloromethane	50.0	52.7		ug/kg		105	68 - 135	16	50	
Bromoform	50.0	57.6		ug/kg		115	36 - 150	2	50	
Bromomethane	50.0	54.2		ug/kg		108	43 - 142	20	50	
2-Butanone	250	280		ug/kg		112	61 - 132	12	50	
Carbon disulfide	50.0	62.7		ug/kg		125	74 - 135	18	50	
Carbon Tetrachloride	50.0	61.2		ug/kg		122	70 - 141	17	50	
Chlorobenzene	50.0	54.2		ug/kg		108	84 - 125	1	50	
Chlorodibromomethane	50.0	50.1		ug/kg		100	66 - 134	1	50	
Chloroethane	50.0	58.2		ug/kg		116	53 - 144	19	50	
Chloroform	50.0	54.7		ug/kg		109	76 - 130	18	49	
Chloromethane	50.0	42.5		ug/kg		85	23 - 150	10	50	
Cyclohexane	50.0	60.2		ug/kg		120	70 - 133	16	50	
1,2-Dibromo-3-chloropropane	50.0	45.1		ug/kg		90	49 - 142	7	50	
1,2-Dibromoethane (EDB)	50.0	59.0		ug/kg		118	80 - 135	0.3	50	
Methylcyclohexane	50.0	62.2		ug/kg		124	69 - 140	16	50	
1,2-Dichlorobenzene	50.0	53.6		ug/kg		107	80 - 134	4	50	
1,3-Dichlorobenzene	50.0	54.0		ug/kg		108	79 - 137	1	50	
1,4-Dichlorobenzene	50.0	53.2		ug/kg		106	77 - 139	1	50	
Dichlorodifluoromethane	50.0	18.6		ug/kg		37	12 - 144	29	50	
1,2-Dichloroethane	50.0	55.2		ug/kg		110	65 - 134	18	50	
1,1-Dichloroethane	50.0	57.8		ug/kg		116	75 - 124	17	50	
1,1-Dichloroethene	50.0	59.9		ug/kg		120	75 - 131	18	50	
trans-1,2-Dichloroethene	50.0	58.6		ug/kg		117	76 - 128	18	50	
1,1,2-Trifluorotrchloroethane	50.0	59.4		ug/kg		119	67 - 136	17	50	
cis-1,2-Dichloroethene	50.0	57.6		ug/kg		115	75 - 125	17	50	
1,2-Dichloropropane	50.0	55.6		ug/kg		111	69 - 120	16	50	
trans-1,3-Dichloropropene	50.0	52.1		ug/kg		104	62 - 139	0.1	50	
cis-1,3-Dichloropropene	50.0	55.4		ug/kg		111	73 - 148	0.8	50	
Ethylbenzene	50.0	57.9		ug/kg		116	80 - 134	1	50	
2-Hexanone	250	293		ug/kg		117	57 - 148	5	50	
Isopropylbenzene	50.0	64.2		ug/kg		128	80 - 150	0.4	50	
Methyl Acetate	50.0	55.7		ug/kg		111	11 - 170	2	50	
Methyl tert-Butyl Ether	50.0	60.7		ug/kg		121	70 - 136	16	50	
Methylene Chloride	50.0	64.9		ug/kg		130	68 - 144	20	50	
4-Methyl-2-pentanone	250	289		ug/kg		115	59 - 138	5	50	
Styrene	50.0	59.2		ug/kg		118	82 - 137	2	50	
1,1,2,2-Tetrachloroethane	50.0	54.1		ug/kg		108	66 - 134	4	50	
Tetrachloroethene	50.0	56.0		ug/kg		112	78 - 140	0.2	50	
Toluene	50.0	56.4		ug/kg		113	80 - 132	0.6	50	
1,2,4-Trichlorobenzene	50.0	59.2		ug/kg		118	62 - 150	3	50	
1,2,3-Trichlorobenzene	50.0	57.2		ug/kg		114	70 - 150	2	50	
1,1,1-Trichloroethane	50.0	59.6		ug/kg		119	72 - 140	18	50	
1,1,2-Trichloroethane	50.0	55.9		ug/kg		112	78 - 128	1	50	
Trichloroethene	50.0	59.4		ug/kg		119	77 - 127	16	50	
Trichlorofluoromethane	50.0	56.4		ug/kg		113	50 - 140	17	50	
Vinyl chloride	50.0	51.9		ug/kg		104	47 - 136	16	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-BSD1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	150	172		ug/kg		115	80 - 137	1	50

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
1,2-Dichloroethane-d4	99		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	102		70 - 130

**Lab Sample ID: 11K3920-MS1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<0.0275		0.267	0.267		mg/kg dry	*	100	19 - 175
Benzene	0.00283		0.0534	0.0559		mg/kg dry	*	99	31 - 143
Bromochloromethane	<0.00132		0.0534	0.0462		mg/kg dry	*	87	31 - 141
Bromodichloromethane	<0.00110		0.0534	0.0438		mg/kg dry	*	82	19 - 148
Bromoform	<0.00110		0.0534	0.0442		mg/kg dry	*	83	10 - 165
Bromomethane	<0.00132		0.0534	0.0480		mg/kg dry	*	90	10 - 164
2-Butanone	<0.0275		0.267	0.256		mg/kg dry	*	96	18 - 153
Carbon disulfide	<0.00397		0.0534	0.0570		mg/kg dry	*	107	32 - 144
Carbon Tetrachloride	<0.00110		0.0534	0.0564		mg/kg dry	*	106	31 - 149
Chlorobenzene	<0.00121		0.0534	0.0516		mg/kg dry	*	97	25 - 152
Chlorodibromomethane	<0.00110		0.0534	0.0398		mg/kg dry	*	75	14 - 146
Chloroethane	<0.00275		0.0534	0.0521		mg/kg dry	*	98	10 - 151
Chloroform	<0.00143		0.0534	0.0488		mg/kg dry	*	92	34 - 160
Chloromethane	<0.00121		0.0534	0.0381		mg/kg dry	*	71	10 - 156
Cyclohexane	<0.00551		0.0534	0.0625		mg/kg dry	*	117	32 - 158
1,2-Dibromo-3-chloropropane	<0.00275		0.0534	0.0420		mg/kg dry	*	79	10 - 147
1,2-Dibromoethane (EDB)	<0.00110		0.0534	0.0504		mg/kg dry	*	94	18 - 156
Methylcyclohexane	<0.00551		0.0534	0.0696		mg/kg dry	*	130	29 - 167
1,2-Dichlorobenzene	<0.00110		0.0534	0.0511		mg/kg dry	*	96	10 - 160
1,3-Dichlorobenzene	<0.00132		0.0534	0.0514		mg/kg dry	*	96	10 - 162
1,4-Dichlorobenzene	<0.00121		0.0534	0.0507		mg/kg dry	*	95	11 - 159
Dichlorodifluoromethane	<0.00154		0.0534	0.0262		mg/kg dry	*	49	10 - 143
1,2-Dichloroethane	<0.00121		0.0534	0.0460		mg/kg dry	*	86	28 - 138
1,1-Dichloroethane	<0.00143		0.0534	0.0529		mg/kg dry	*	99	42 - 136
1,1-Dichloroethene	<0.00132		0.0534	0.0568		mg/kg dry	*	106	41 - 143
trans-1,2-Dichloroethene	<0.00143		0.0534	0.0546		mg/kg dry	*	102	39 - 140
1,1,2-Trifluorotrchloroethane	<0.00121		0.0534	0.0611		mg/kg dry	*	114	42 - 147
cis-1,2-Dichloroethene	<0.00121		0.0534	0.0524		mg/kg dry	*	98	36 - 139
1,2-Dichloropropane	<0.00110		0.0534	0.0501		mg/kg dry	*	94	20 - 146
trans-1,3-Dichloropropene	<0.00110		0.0534	0.0435		mg/kg dry	*	82	10 - 157
cis-1,3-Dichloropropene	<0.00110		0.0534	0.0482		mg/kg dry	*	90	15 - 166
Ethylbenzene	0.00151		0.0534	0.0585		mg/kg dry	*	107	23 - 161
2-Hexanone	<0.0275		0.267	0.262		mg/kg dry	*	98	10 - 169
Isopropylbenzene	<0.00121		0.0534	0.0649		mg/kg dry	*	122	23 - 181
Methyl Acetate	<0.00551		0.0534	0.0674		mg/kg dry	*	126	10 - 200
Methyl tert-Butyl Ether	<0.00110		0.0534	0.0529		mg/kg dry	*	99	28 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-MS1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Methylene Chloride	<0.00551		0.0534	0.0517		mg/kg dry	*	97	24 - 182
4-Methyl-2-pentanone	<0.0275		0.267	0.260		mg/kg dry	*	97	10 - 168
Styrene	<0.00121		0.0534	0.0554		mg/kg dry	*	104	10 - 165
1,1,2,2-Tetrachloroethane	<0.00110		0.0534	0.0479		mg/kg dry	*	90	10 - 162
Tetrachloroethene	<0.00143		0.0534	0.0585		mg/kg dry	*	110	33 - 161
Toluene	0.00317		0.0534	0.0570		mg/kg dry	*	101	30 - 155
1,2,4-Trichlorobenzene	<0.00132		0.0534	0.0592		mg/kg dry	*	111	10 - 167
1,2,3-Trichlorobenzene	<0.00121		0.0534	0.0538		mg/kg dry	*	101	10 - 157
1,1,1-Trichloroethane	<0.00110		0.0534	0.0562		mg/kg dry	*	105	35 - 149
1,1,2-Trichloroethane	<0.00275		0.0534	0.0491		mg/kg dry	*	92	19 - 157
Trichloroethene	<0.00110		0.0534	0.0584		mg/kg dry	*	109	27 - 153
Trichlorofluoromethane	<0.00110		0.0534	0.0534		mg/kg dry	*	100	25 - 137
Vinyl chloride	<0.00110		0.0534	0.0459		mg/kg dry	*	86	20 - 141
Xylenes, total	<0.00275		0.160	0.168		mg/kg dry	*	105	25 - 162

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
1,2-Dichloroethane-d4	98		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	102		70 - 130
4-Bromofluorobenzene	104		70 - 130

**Lab Sample ID: 11K3920-MSD1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	<0.0275		0.249	0.322		mg/kg dry	*	129	19 - 175	18	50
Benzene	0.00283		0.0499	0.0451		mg/kg dry	*	85	31 - 143	21	50
Bromochloromethane	<0.00132		0.0499	0.0393		mg/kg dry	*	79	31 - 141	16	50
Bromodichloromethane	<0.00110		0.0499	0.0368		mg/kg dry	*	74	19 - 148	18	50
Bromoform	<0.00110		0.0499	0.0457		mg/kg dry	*	92	10 - 165	3	50
Bromomethane	<0.00132		0.0499	0.0372		mg/kg dry	*	74	10 - 164	26	50
2-Butanone	<0.0275		0.249	0.298		mg/kg dry	*	119	18 - 153	15	50
Carbon disulfide	<0.00397		0.0499	0.0453		mg/kg dry	*	91	32 - 144	23	50
Carbon Tetrachloride	<0.00110		0.0499	0.0454		mg/kg dry	*	91	31 - 149	22	50
Chlorobenzene	<0.00121		0.0499	0.0468		mg/kg dry	*	94	25 - 152	10	50
Chlorodibromomethane	<0.00110		0.0499	0.0394		mg/kg dry	*	79	14 - 146	0.9	50
Chloroethane	<0.00275		0.0499	0.0424		mg/kg dry	*	85	10 - 151	21	50
Chloroform	<0.00143		0.0499	0.0399		mg/kg dry	*	80	34 - 160	20	49
Chloromethane	<0.00121		0.0499	0.0297		mg/kg dry	*	59	10 - 156	25	50
Cyclohexane	<0.00551		0.0499	0.0492		mg/kg dry	*	99	32 - 158	24	50
1,2-Dibromo-3-chloropropane	<0.00275		0.0499	0.0536		mg/kg dry	*	107	10 - 147	24	50
1,2-Dibromoethane (EDB)	<0.00110		0.0499	0.0508		mg/kg dry	*	102	18 - 156	0.8	50
Methylcyclohexane	<0.00551		0.0499	0.0552		mg/kg dry	*	111	29 - 167	23	50
1,2-Dichlorobenzene	<0.00110		0.0499	0.0476		mg/kg dry	*	95	10 - 160	7	50
1,3-Dichlorobenzene	<0.00132		0.0499	0.0465		mg/kg dry	*	93	10 - 162	10	50
1,4-Dichlorobenzene	<0.00121		0.0499	0.0461		mg/kg dry	*	92	11 - 159	9	50
Dichlorodifluoromethane	<0.00154		0.0499	0.0151	R2	mg/kg dry	*	30	10 - 143	54	50
1,2-Dichloroethane	<0.00121		0.0499	0.0392		mg/kg dry	*	79	28 - 138	16	50

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-MSD1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,1-Dichloroethane	<0.00143		0.0499	0.0427		mg/kg dry	*	86	42 - 136	21	50
1,1-Dichloroethene	<0.00132		0.0499	0.0460		mg/kg dry	*	92	41 - 143	21	50
trans-1,2-Dichloroethene	<0.00143		0.0499	0.0433		mg/kg dry	*	87	39 - 140	23	50
1,1,2-Trifluorotrchloroethane	<0.00121		0.0499	0.0479		mg/kg dry	*	96	42 - 147	24	50
cis-1,2-Dichloroethene	<0.00121		0.0499	0.0428		mg/kg dry	*	86	36 - 139	20	50
1,2-Dichloropropane	<0.00110		0.0499	0.0408		mg/kg dry	*	82	20 - 146	21	50
trans-1,3-Dichloropropene	<0.00110		0.0499	0.0432		mg/kg dry	*	87	10 - 157	0.7	50
cis-1,3-Dichloropropene	<0.00110		0.0499	0.0471		mg/kg dry	*	94	15 - 166	2	50
Ethylbenzene	0.00151		0.0499	0.0522		mg/kg dry	*	102	23 - 161	11	50
2-Hexanone	<0.0275		0.249	0.328		mg/kg dry	*	132	10 - 169	23	50
Isopropylbenzene	<0.00121		0.0499	0.0575		mg/kg dry	*	115	23 - 181	12	50
Methyl Acetate	<0.00551		0.0499	0.0746		mg/kg dry	*	150	10 - 200	10	50
Methyl tert-Butyl Ether	<0.00110		0.0499	0.0459		mg/kg dry	*	92	28 - 141	14	50
Methylene Chloride	<0.00551		0.0499	0.0432		mg/kg dry	*	87	24 - 182	18	50
4-Methyl-2-pentanone	<0.0275		0.249	0.315		mg/kg dry	*	126	10 - 168	19	50
Styrene	<0.00121		0.0499	0.0499		mg/kg dry	*	100	10 - 165	10	50
1,1,2,2-Tetrachloroethane	<0.00110		0.0499	0.0520		mg/kg dry	*	104	10 - 162	8	50
Tetrachloroethene	<0.00143		0.0499	0.0518		mg/kg dry	*	104	33 - 161	12	50
Toluene	0.00317		0.0499	0.0537		mg/kg dry	*	101	30 - 155	6	50
1,2,4-Trichlorobenzene	<0.00132		0.0499	0.0552		mg/kg dry	*	111	10 - 167	7	50
1,2,3-Trichlorobenzene	<0.00121		0.0499	0.0504		mg/kg dry	*	101	10 - 157	6	50
1,1,1-Trichloroethane	<0.00110		0.0499	0.0449		mg/kg dry	*	90	35 - 149	22	50
1,1,2-Trichloroethane	<0.00275		0.0499	0.0489		mg/kg dry	*	98	19 - 157	0.4	50
Trichloroethene	<0.00110		0.0499	0.0460		mg/kg dry	*	92	27 - 153	24	50
Trichlorofluoromethane	<0.00110		0.0499	0.0433		mg/kg dry	*	87	25 - 137	21	50
Vinyl chloride	<0.00110		0.0499	0.0378		mg/kg dry	*	76	20 - 141	19	50
Xylenes, total	<0.00275		0.150	0.151		mg/kg dry	*	101	25 - 162	11	50

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	83		70 - 130
Dibromofluoromethane	84		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	108		70 - 130

**Lab Sample ID: 11K4251-BLK1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-BLK1**  
**Matrix: Soil**  
**Analysis Batch: U020516**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K4251\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,1,2-Trifluoro-trichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	91		70 - 130	11/16/11 11:55	11/16/11 15:14	1.00
Dibromofluoromethane	90		70 - 130	11/16/11 11:55	11/16/11 15:14	1.00
Toluene-d8	101		70 - 130	11/16/11 11:55	11/16/11 15:14	1.00
4-Bromofluorobenzene	103		70 - 130	11/16/11 11:55	11/16/11 15:14	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-BLK2**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,1,2-Trifluorotrchloroethane	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Methyl Acetate	<0.250		0.500	0.250	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-BLK2**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	77		70 - 130				11/16/11 11:55	11/16/11 15:45	50.0
Dibromofluoromethane	70		70 - 130				11/16/11 11:55	11/16/11 15:45	50.0
Toluene-d8	102		70 - 130				11/16/11 11:55	11/16/11 15:45	50.0
4-Bromofluorobenzene	100		70 - 130				11/16/11 11:55	11/16/11 15:45	50.0

**Lab Sample ID: 11K4251-BS1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	236		ug/kg		95	51 - 149
Benzene	50.0	46.5		ug/kg		93	75 - 127
Bromochloromethane	50.0	48.7		ug/kg		97	70 - 132
Bromodichloromethane	50.0	43.3		ug/kg		87	68 - 135
Bromoform	50.0	62.0		ug/kg		124	36 - 150
Bromomethane	50.0	43.3		ug/kg		87	43 - 142
2-Butanone	250	228		ug/kg		91	61 - 132
Carbon disulfide	50.0	51.5		ug/kg		103	74 - 135
Carbon Tetrachloride	50.0	50.0		ug/kg		100	70 - 141
Chlorobenzene	50.0	53.7		ug/kg		107	84 - 125
Chlorodibromomethane	50.0	47.9		ug/kg		96	66 - 134
Chloroethane	50.0	52.3		ug/kg		105	53 - 144
Chloroform	50.0	43.8		ug/kg		88	76 - 130
Chloromethane	50.0	40.9		ug/kg		82	23 - 150
Cyclohexane	50.0	49.8		ug/kg		100	70 - 133
1,2-Dibromo-3-chloropropane	50.0	52.1		ug/kg		104	49 - 142
1,2-Dibromoethane (EDB)	50.0	56.2		ug/kg		112	80 - 135
Methylcyclohexane	50.0	37.0		ug/kg		74	69 - 140
1,2-Dichlorobenzene	50.0	53.4		ug/kg		107	80 - 134
1,3-Dichlorobenzene	50.0	54.8		ug/kg		110	79 - 137
1,4-Dichlorobenzene	50.0	54.1		ug/kg		108	77 - 139
Dichlorodifluoromethane	50.0	27.7		ug/kg		55	12 - 144
1,2-Dichloroethane	50.0	43.7		ug/kg		87	65 - 134
1,1-Dichloroethane	50.0	46.4		ug/kg		93	75 - 124
1,1-Dichloroethene	50.0	47.6		ug/kg		95	75 - 131
trans-1,2-Dichloroethene	50.0	46.8		ug/kg		94	76 - 128
1,1,2-Trifluoro-trichloroethane	50.0	47.1		ug/kg		94	67 - 136
cis-1,2-Dichloroethene	50.0	46.5		ug/kg		93	75 - 125
1,2-Dichloropropane	50.0	43.2		ug/kg		86	69 - 120
trans-1,3-Dichloropropene	50.0	50.1		ug/kg		100	62 - 139
cis-1,3-Dichloropropene	50.0	52.7		ug/kg		105	73 - 148
Ethylbenzene	50.0	57.2		ug/kg		114	80 - 134
2-Hexanone	250	284		ug/kg		114	57 - 148
Isopropylbenzene	50.0	65.8		ug/kg		132	80 - 150
Methyl Acetate	50.0	47.0		ug/kg		94	11 - 170
Methyl tert-Butyl Ether	50.0	50.2		ug/kg		100	70 - 136

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-BS1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	50.0	54.1		ug/kg		108	68 - 144	
4-Methyl-2-pentanone	250	282		ug/kg		113	59 - 138	
Styrene	50.0	59.8		ug/kg		120	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	54.0		ug/kg		108	66 - 134	
Tetrachloroethene	50.0	54.2		ug/kg		108	78 - 140	
Toluene	50.0	54.6		ug/kg		109	80 - 132	
1,2,4-Trichlorobenzene	50.0	60.3		ug/kg		121	62 - 150	
1,2,3-Trichlorobenzene	50.0	56.4		ug/kg		113	70 - 150	
1,1,1-Trichloroethane	50.0	48.0		ug/kg		96	72 - 140	
1,1,2-Trichloroethane	50.0	53.1		ug/kg		106	78 - 128	
Trichloroethene	50.0	38.6		ug/kg		77	77 - 127	
Trichlorofluoromethane	50.0	46.9		ug/kg		94	50 - 140	
Vinyl chloride	50.0	37.6		ug/kg		75	47 - 136	
Xylenes, total	150	169		ug/kg		113	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	80		70 - 130
Dibromofluoromethane	84		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	101		70 - 130

**Lab Sample ID: 11K4251-BS1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Acetone	250	296		ug/kg		118	51 - 149	22	50	
Benzene	50.0	54.9		ug/kg		110	75 - 127	17	50	
Bromochloromethane	50.0	55.0		ug/kg		110	70 - 132	12	50	
Bromodichloromethane	50.0	51.4		ug/kg		103	68 - 135	17	50	
Bromoform	50.0	58.8		ug/kg		118	36 - 150	5	50	
Bromomethane	50.0	53.9		ug/kg		108	43 - 142	22	50	
2-Butanone	250	297		ug/kg		119	61 - 132	26	50	
Carbon disulfide	50.0	59.1		ug/kg		118	74 - 135	14	50	
Carbon Tetrachloride	50.0	59.2		ug/kg		118	70 - 141	17	50	
Chlorobenzene	50.0	52.9		ug/kg		106	84 - 125	1	50	
Chlorodibromomethane	50.0	49.3		ug/kg		99	66 - 134	3	50	
Chloroethane	50.0	58.0		ug/kg		116	53 - 144	10	50	
Chloroform	50.0	52.5		ug/kg		105	76 - 130	18	49	
Chloromethane	50.0	55.0		ug/kg		110	23 - 150	29	50	
Cyclohexane	50.0	58.4		ug/kg		117	70 - 133	16	50	
1,2-Dibromo-3-chloropropane	50.0	49.2		ug/kg		98	49 - 142	6	50	
1,2-Dibromoethane (EDB)	50.0	58.2		ug/kg		116	80 - 135	3	50	
Methylcyclohexane	50.0	60.1		ug/kg		120	69 - 140	48	50	
1,2-Dichlorobenzene	50.0	51.6		ug/kg		103	80 - 134	4	50	
1,3-Dichlorobenzene	50.0	52.4		ug/kg		105	79 - 137	5	50	
1,4-Dichlorobenzene	50.0	51.7		ug/kg		103	77 - 139	4	50	
Dichlorodifluoromethane	50.0	48.6	R2	ug/kg		97	12 - 144	55	50	
1,2-Dichloroethane	50.0	52.1		ug/kg		104	65 - 134	18	50	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-BSD1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	Limit
1,1-Dichloroethane	50.0	55.6		ug/kg		111	75 - 124	18	50	
1,1-Dichloroethene	50.0	57.2		ug/kg		114	75 - 131	18	50	
trans-1,2-Dichloroethene	50.0	55.4		ug/kg		111	76 - 128	17	50	
1,1,1,2-Trifluorotrchloroethane	50.0	55.6		ug/kg		111	67 - 136	17	50	
cis-1,2-Dichloroethene	50.0	55.2		ug/kg		110	75 - 125	17	50	
1,2-Dichloropropane	50.0	54.1		ug/kg		108	69 - 120	22	50	
trans-1,3-Dichloropropene	50.0	51.3		ug/kg		103	62 - 139	2	50	
cis-1,3-Dichloropropene	50.0	54.6		ug/kg		109	73 - 148	4	50	
Ethylbenzene	50.0	55.6		ug/kg		111	80 - 134	3	50	
2-Hexanone	250	307		ug/kg		123	57 - 148	8	50	
Isopropylbenzene	50.0	62.2		ug/kg		124	80 - 150	6	50	
Methyl Acetate	50.0	56.0		ug/kg		112	11 - 170	17	50	
Methyl tert-Butyl Ether	50.0	60.1		ug/kg		120	70 - 136	18	50	
Methylene Chloride	50.0	61.2		ug/kg		122	68 - 144	12	50	
4-Methyl-2-pentanone	250	301		ug/kg		120	59 - 138	6	50	
Styrene	50.0	56.7		ug/kg		113	82 - 137	5	50	
1,1,1,2-Tetrachloroethane	50.0	55.4		ug/kg		111	66 - 134	3	50	
Tetrachloroethene	50.0	53.6		ug/kg		107	78 - 140	1	50	
Toluene	50.0	54.5		ug/kg		109	80 - 132	0.05	50	
1,2,4-Trichlorobenzene	50.0	59.6		ug/kg		119	62 - 150	1	50	
1,2,3-Trichlorobenzene	50.0	57.0		ug/kg		114	70 - 150	1	50	
1,1,1-Trichloroethane	50.0	57.0		ug/kg		114	72 - 140	17	50	
1,1,2-Trichloroethane	50.0	54.4		ug/kg		109	78 - 128	2	50	
Trichloroethene	50.0	57.5		ug/kg		115	77 - 127	39	50	
Trichlorofluoromethane	50.0	54.7		ug/kg		109	50 - 140	15	50	
Vinyl chloride	50.0	57.5		ug/kg		115	47 - 136	42	50	
Xylenes, total	150	163		ug/kg		109	80 - 137	3	50	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	98		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	104		70 - 130

**Lab Sample ID: 11K4251-MS1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	Limit
Acetone	<24.9		249	349		mg/kg wet		140	19 - 175	
Benzene	<1.09		49.7	45.7		mg/kg wet		92	31 - 143	
Bromochloromethane	<1.19		49.7	50.0		mg/kg wet		101	31 - 141	
Bromodichloromethane	<0.994		49.7	41.2		mg/kg wet		83	19 - 148	
Bromoform	<0.994		49.7	48.9		mg/kg wet		98	10 - 165	
Bromomethane	<1.19		49.7	28.6		mg/kg wet		58	10 - 164	
2-Butanone	<24.9		249	258		mg/kg wet		104	18 - 153	
Carbon disulfide	<3.58		49.7	50.2		mg/kg wet		101	32 - 144	
Carbon Tetrachloride	<0.994		49.7	46.9		mg/kg wet		94	31 - 149	
Chlorobenzene	<1.09		49.7	53.8		mg/kg wet		108	25 - 152	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K4251-MS1

Matrix: Soil

Analysis Batch: U020516

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11K4251\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Chlorodibromomethane	<0.994		49.7	43.5		mg/kg wet		88	14 - 146
Chloroethane	<2.49		49.7	33.7		mg/kg wet		68	10 - 151
Chloroform	<1.29		49.7	42.7		mg/kg wet		86	34 - 160
Chloromethane	<1.09		49.7	42.4		mg/kg wet		85	10 - 156
Cyclohexane	4.98		49.7	53.0		mg/kg wet		97	32 - 158
1,2-Dibromo-3-chloropropane	<2.49		49.7	37.5		mg/kg wet		76	10 - 147
1,2-Dibromoethane (EDB)	<0.994		49.7	55.1		mg/kg wet		111	18 - 156
Methylcyclohexane	7.03		49.7	64.4		mg/kg wet		115	29 - 167
1,2-Dichlorobenzene	<0.994		49.7	51.3		mg/kg wet		103	10 - 160
1,3-Dichlorobenzene	<1.19		49.7	52.3		mg/kg wet		105	10 - 162
1,4-Dichlorobenzene	<1.09		49.7	51.3		mg/kg wet		103	11 - 159
Dichlorodifluoromethane	<1.39		49.7	26.0		mg/kg wet		52	10 - 143
1,2-Dichloroethane	<1.09		49.7	41.6		mg/kg wet		84	28 - 138
1,1-Dichloroethane	<1.29		49.7	45.8		mg/kg wet		92	42 - 136
1,1-Dichloroethene	<1.19		49.7	48.9		mg/kg wet		98	41 - 143
trans-1,2-Dichloroethene	<1.29		49.7	45.5		mg/kg wet		91	39 - 140
1,1,2-Trifluoroethane	<1.09		49.7	49.7		mg/kg wet		100	42 - 147
cis-1,2-Dichloroethene	<1.09		49.7	45.0		mg/kg wet		90	36 - 139
1,2-Dichloropropane	<0.994		49.7	44.2		mg/kg wet		89	20 - 146
trans-1,3-Dichloropropene	<0.994		49.7	51.9		mg/kg wet		105	10 - 157
cis-1,3-Dichloropropene	<0.994		49.7	53.6		mg/kg wet		108	15 - 166
Ethylbenzene	<1.09		49.7	57.7		mg/kg wet		116	23 - 161
2-Hexanone	<24.9		249	279		mg/kg wet		112	10 - 169
Isopropylbenzene	1.15		49.7	66.6		mg/kg wet		132	23 - 181
Methyl Acetate	<4.97		49.7	58.6		mg/kg wet		118	10 - 200
Methyl tert-Butyl Ether	<0.994		49.7	49.6		mg/kg wet		100	28 - 141
Methylene Chloride	<4.97		49.7	48.0		mg/kg wet		97	24 - 182
4-Methyl-2-pentanone	<24.9		249	266		mg/kg wet		107	10 - 168
Styrene	<1.09		49.7	58.5		mg/kg wet		118	10 - 165
1,1,2,2-Tetrachloroethane	<0.994		49.7	51.2		mg/kg wet		103	10 - 162
Tetrachloroethene	<1.29		49.7	60.0		mg/kg wet		121	33 - 161
Toluene	<1.09		49.7	55.1		mg/kg wet		111	30 - 155
1,2,4-Trichlorobenzene	<1.19		49.7	54.6		mg/kg wet		110	10 - 167
1,2,3-Trichlorobenzene	<1.09		49.7	49.9		mg/kg wet		100	10 - 157
1,1,1-Trichloroethane	<0.994		49.7	48.4		mg/kg wet		97	35 - 149
1,1,2-Trichloroethane	<2.49		49.7	58.7		mg/kg wet		118	19 - 157
Trichloroethene	<0.994		49.7	51.6		mg/kg wet		104	27 - 153
Trichlorofluoromethane	<0.994		49.7	42.2		mg/kg wet		85	25 - 137
Vinyl chloride	<0.994		49.7	32.8		mg/kg wet		66	20 - 141
Xylenes, total	<2.49		149	170		mg/kg wet		114	25 - 162

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	74		70 - 130
Dibromofluoromethane	82		70 - 130
Toluene-d8	101		70 - 130
4-Bromofluorobenzene	101		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-MSD1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result			Result	Qualifier				Limits	RPD		
Acetone	<24.9		249	341		mg/kg wet		137	19 - 175	2	50	
Benzene	<1.09		49.7	47.7		mg/kg wet		96	31 - 143	4	50	
Bromochloromethane	<1.19		49.7	49.4		mg/kg wet		99	31 - 141	1	50	
Bromodichloromethane	<0.994		49.7	42.7		mg/kg wet		86	19 - 148	4	50	
Bromoform	<0.994		49.7	51.4		mg/kg wet		104	10 - 165	5	50	
Bromomethane	<1.19		49.7	28.6		mg/kg wet		58	10 - 164	0.1	50	
2-Butanone	<24.9		249	277		mg/kg wet		111	18 - 153	7	50	
Carbon disulfide	<3.58		49.7	51.3		mg/kg wet		103	32 - 144	2	50	
Carbon Tetrachloride	<0.994		49.7	50.1		mg/kg wet		101	31 - 149	6	50	
Chlorobenzene	<1.09		49.7	55.5		mg/kg wet		112	25 - 152	3	50	
Chlorodibromomethane	<0.994		49.7	43.9		mg/kg wet		88	14 - 146	1	50	
Chloroethane	<2.49		49.7	46.7		mg/kg wet		94	10 - 151	32	50	
Chloroform	<1.29		49.7	44.6		mg/kg wet		90	34 - 160	4	49	
Chloromethane	<1.09		49.7	46.8		mg/kg wet		94	10 - 156	10	50	
Cyclohexane	4.98		49.7	55.6		mg/kg wet		102	32 - 158	5	50	
1,2-Dibromo-3-chloropropane	<2.49		49.7	42.1		mg/kg wet		85	10 - 147	11	50	
1,2-Dibromoethane (EDB)	<0.994		49.7	58.1		mg/kg wet		117	18 - 156	5	50	
Methylcyclohexane	7.03		49.7	66.9		mg/kg wet		120	29 - 167	4	50	
1,2-Dichlorobenzene	<0.994		49.7	52.6		mg/kg wet		106	10 - 160	3	50	
1,3-Dichlorobenzene	<1.19		49.7	55.1		mg/kg wet		111	10 - 162	5	50	
1,4-Dichlorobenzene	<1.09		49.7	54.1		mg/kg wet		109	11 - 159	5	50	
Dichlorodifluoromethane	<1.39		49.7	29.0		mg/kg wet		58	10 - 143	11	50	
1,2-Dichloroethane	<1.09		49.7	43.7		mg/kg wet		88	28 - 138	5	50	
1,1-Dichloroethane	<1.29		49.7	47.1		mg/kg wet		95	42 - 136	3	50	
1,1-Dichloroethene	<1.19		49.7	50.4		mg/kg wet		101	41 - 143	3	50	
trans-1,2-Dichloroethene	<1.29		49.7	48.0		mg/kg wet		97	39 - 140	5	50	
1,1,2-Trifluorotrchloroethane	<1.09		49.7	51.8		mg/kg wet		104	42 - 147	4	50	
cis-1,2-Dichloroethene	<1.09		49.7	47.7		mg/kg wet		96	36 - 139	6	50	
1,2-Dichloropropane	<0.994		49.7	46.4		mg/kg wet		93	20 - 146	5	50	
trans-1,3-Dichloropropene	<0.994		49.7	52.4		mg/kg wet		105	10 - 157	0.9	50	
cis-1,3-Dichloropropene	<0.994		49.7	55.2		mg/kg wet		111	15 - 166	3	50	
Ethylbenzene	<1.09		49.7	59.3		mg/kg wet		119	23 - 161	3	50	
2-Hexanone	<24.9		249	290		mg/kg wet		117	10 - 169	4	50	
Isopropylbenzene	1.15		49.7	69.8		mg/kg wet		138	23 - 181	5	50	
Methyl Acetate	<4.97		49.7	65.6		mg/kg wet		132	10 - 200	11	50	
Methyl tert-Butyl Ether	<0.994		49.7	52.3		mg/kg wet		105	28 - 141	5	50	
Methylene Chloride	<4.97		49.7	47.7		mg/kg wet		96	24 - 182	0.6	50	
4-Methyl-2-pentanone	<24.9		249	276		mg/kg wet		111	10 - 168	4	50	
Styrene	<1.09		49.7	60.3		mg/kg wet		121	10 - 165	3	50	
1,1,2,2-Tetrachloroethane	<0.994		49.7	54.3		mg/kg wet		109	10 - 162	6	50	
Tetrachloroethene	<1.29		49.7	60.9		mg/kg wet		122	33 - 161	1	50	
Toluene	<1.09		49.7	55.9		mg/kg wet		112	30 - 155	1	50	
1,2,4-Trichlorobenzene	<1.19		49.7	60.5		mg/kg wet		122	10 - 167	10	50	
1,2,3-Trichlorobenzene	<1.09		49.7	55.4		mg/kg wet		112	10 - 157	11	50	
1,1,1-Trichloroethane	<0.994		49.7	50.4		mg/kg wet		101	35 - 149	4	50	
1,1,2-Trichloroethane	<2.49		49.7	59.0		mg/kg wet		119	19 - 157	0.6	50	
Trichloroethene	<0.994		49.7	54.5		mg/kg wet		110	27 - 153	6	50	
Trichlorofluoromethane	<0.994		49.7	48.4		mg/kg wet		97	25 - 137	14	50	
Vinyl chloride	<0.994		49.7	50.6		mg/kg wet		102	20 - 141	43	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-MSD1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
Xylenes, total	<2.49		149	174		mg/kg wet		117	25 - 162	2		50
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
1,2-Dichloroethane-d4	78		70 - 130									
Dibromofluoromethane	85		70 - 130									
Toluene-d8	100		70 - 130									
4-Bromofluorobenzene	104		70 - 130									

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

**Lab Sample ID: 11K3448-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Carbazole	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Chrysene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Fluorene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Isophorone	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Phenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	110		13 - 120	11/14/11 12:40	11/14/11 22:51	1.00
2,4,6-Tribromophenol	86		10 - 120	11/14/11 12:40	11/14/11 22:51	1.00
Phenol-d5	29		10 - 120	11/14/11 12:40	11/14/11 22:51	1.00
2-Fluorobiphenyl	76		29 - 120	11/14/11 12:40	11/14/11 22:51	1.00
2-Fluorophenol	47		10 - 120	11/14/11 12:40	11/14/11 22:51	1.00
Nitrobenzene-d5	93		27 - 120	11/14/11 12:40	11/14/11 22:51	1.00

**Lab Sample ID: 11K3448-BS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	46.7		ug/L		93	46 - 120
Acenaphthylene	50.0	43.4		ug/L		87	48 - 120
Anthracene	50.0	48.8		ug/L		98	58 - 130
Benzo (a) anthracene	50.0	49.5		ug/L		99	57 - 120
Benzo (a) pyrene	50.0	55.0		ug/L		110	57 - 124

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-BS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo (b) fluoranthene	50.0	48.4		ug/L		97	51 - 125
Benzo (g,h,i) perylene	50.0	50.6		ug/L		101	51 - 123
Benzo (k) fluoranthene	50.0	51.5		ug/L		103	51 - 120
4-Bromophenyl phenyl ether	50.0	47.3		ug/L		95	47 - 127
Butyl benzyl phthalate	50.0	50.4		ug/L		101	51 - 146
Carbazole	50.0	49.5		ug/L		99	54 - 123
4-Chloro-3-methylphenol	50.0	44.7		ug/L		89	44 - 120
4-Chloroaniline	50.0	46.2		ug/L		92	44 - 120
Bis(2-chloroethoxy)methane	50.0	42.2		ug/L		84	44 - 120
Bis(2-chloroethyl)ether	50.0	43.1		ug/L		86	47 - 120
Bis(2-chloroisopropyl)ether	50.0	43.4		ug/L		87	44 - 120
2-Chloronaphthalene	50.0	38.1		ug/L		76	39 - 120
2-Chlorophenol	50.0	43.3		ug/L		87	40 - 120
4-Chlorophenyl phenyl ether	50.0	46.6		ug/L		93	50 - 120
Chrysene	50.0	46.0		ug/L		92	55 - 120
Dibenz (a,h) anthracene	50.0	51.7		ug/L		103	50 - 125
Dibenzofuran	50.0	47.9		ug/L		96	50 - 120
Di-n-butyl phthalate	50.0	47.2		ug/L		94	54 - 140
1,4-Dichlorobenzene	50.0	32.2		ug/L		64	31 - 120
1,2-Dichlorobenzene	50.0	33.7		ug/L		67	32 - 120
1,3-Dichlorobenzene	50.0	32.3		ug/L		65	32 - 120
3,3-Dichlorobenzidine	50.0	55.1		ug/L		110	46 - 129
2,4-Dichlorophenol	50.0	42.2		ug/L		84	38 - 120
Diethyl phthalate	50.0	45.3		ug/L		91	54 - 128
2,4-Dimethylphenol	50.0	44.3		ug/L		89	21 - 126
Dimethyl phthalate	50.0	47.0		ug/L		94	53 - 127
4,6-Dinitro-2-methylphenol	50.0	52.1		ug/L		104	19 - 150
2,4-Dinitrophenol	50.0	51.7		ug/L		103	20 - 150
2,6-Dinitrotoluene	50.0	47.5		ug/L		95	54 - 128
2,4-Dinitrotoluene	50.0	47.5		ug/L		95	46 - 132
Di-n-octyl phthalate	50.0	51.4		ug/L		103	50 - 142
Bis(2-ethylhexyl)phthalate	50.0	48.2		ug/L		96	47 - 138
Fluoranthene	50.0	48.4		ug/L		97	56 - 120
Fluorene	50.0	48.2		ug/L		96	52 - 120
Hexachlorobenzene	50.0	48.6		ug/L		97	48 - 131
Hexachlorobutadiene	50.0	38.0		ug/L		76	28 - 120
Hexachlorocyclopentadiene	50.0	26.8		ug/L		54	17 - 120
Hexachloroethane	50.0	36.0		ug/L		72	30 - 120
Indeno (1,2,3-cd) pyrene	50.0	51.1		ug/L		102	54 - 125
Isophorone	50.0	40.9		ug/L		82	47 - 120
2-Methylnaphthalene	50.0	40.0		ug/L		80	31 - 120
2-Methylphenol	50.0	35.9		ug/L		72	38 - 120
Naphthalene	50.0	42.2		ug/L		84	37 - 120
3/4-Methylphenol	50.0	32.8		ug/L		66	33 - 120
3-Nitroaniline	50.0	57.5		ug/L		115	54 - 121
2-Nitroaniline	50.0	53.7		ug/L		107	46 - 131
4-Nitroaniline	50.0	56.4		ug/L		113	55 - 123
Nitrobenzene	50.0	39.2		ug/L		78	36 - 120
4-Nitrophenol	50.0	21.4	J	ug/L		43	10 - 120
2-Nitrophenol	50.0	49.6		ug/L		99	32 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-BS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	50.0	55.8		ug/L		112	58 - 149
N-Nitrosodi-n-propylamine	50.0	47.8		ug/L		96	51 - 120
Pentachlorophenol	50.0	57.9		ug/L		116	21 - 150
Phenanthrene	50.0	47.4		ug/L		95	56 - 120
Phenol	50.0	20.2		ug/L		40	14 - 120
Pyrene	50.0	48.2		ug/L		96	53 - 129
1,2,4-Trichlorobenzene	50.0	31.5		ug/L		63	30 - 120
2,4,6-Trichlorophenol	50.0	50.5		ug/L		101	39 - 135
2,4,5-Trichlorophenol	50.0	46.1		ug/L		92	40 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	102		13 - 120
2,4,6-Tribromophenol	86		10 - 120
Phenol-d5	30		10 - 120
2-Fluorobiphenyl	81		29 - 120
2-Fluorophenol	48		10 - 120
Nitrobenzene-d5	86		27 - 120

**Lab Sample ID: 11K3448-BSD1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	50.0	47.2		ug/L		94	46 - 120	1	31
Acenaphthylene	50.0	44.6		ug/L		89	48 - 120	3	31
Anthracene	50.0	50.6		ug/L		101	58 - 130	4	28
Benzo (a) anthracene	50.0	49.7		ug/L		99	57 - 120	0.3	27
Benzo (a) pyrene	50.0	54.7		ug/L		109	57 - 124	0.6	27
Benzo (b) fluoranthene	50.0	52.7		ug/L		105	51 - 125	8	39
Benzo (g,h,i) perylene	50.0	51.6		ug/L		103	51 - 123	2	27
Benzo (k) fluoranthene	50.0	48.0		ug/L		96	51 - 120	7	32
4-Bromophenyl phenyl ether	50.0	48.6		ug/L		97	47 - 127	3	29
Butyl benzyl phthalate	50.0	51.4		ug/L		103	51 - 146	2	31
Carbazole	50.0	50.7		ug/L		101	54 - 123	2	29
4-Chloro-3-methylphenol	50.0	46.3		ug/L		93	44 - 120	3	22
4-Chloroaniline	50.0	50.2		ug/L		100	44 - 120	8	26
Bis(2-chloroethoxy)methane	50.0	44.4		ug/L		89	44 - 120	5	31
Bis(2-chloroethyl)ether	50.0	47.1		ug/L		94	47 - 120	9	38
Bis(2-chloroisopropyl)ether	50.0	47.7		ug/L		95	44 - 120	10	36
2-Chloronaphthalene	50.0	39.1		ug/L		78	39 - 120	3	36
2-Chlorophenol	50.0	47.2		ug/L		94	40 - 120	9	46
4-Chlorophenyl phenyl ether	50.0	47.7		ug/L		95	50 - 120	2	29
Chrysene	50.0	47.2		ug/L		94	55 - 120	3	27
Dibenz (a,h) anthracene	50.0	52.5		ug/L		105	50 - 125	1	28
Dibenzofuran	50.0	48.6		ug/L		97	50 - 120	2	29
Di-n-butyl phthalate	50.0	47.9		ug/L		96	54 - 140	2	27
1,4-Dichlorobenzene	50.0	35.5		ug/L		71	31 - 120	10	44
1,2-Dichlorobenzene	50.0	36.6		ug/L		73	32 - 120	8	42
1,3-Dichlorobenzene	50.0	35.3		ug/L		71	32 - 120	9	42

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3448-BSD1

Matrix: Water

Analysis Batch: 11K3448

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11K3448\_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	
3,3-Dichlorobenzidine	50.0	55.5		ug/L		111	46 - 129	0.8	30	
2,4-Dichlorophenol	50.0	44.2		ug/L		88	38 - 120	5	30	
Diethyl phthalate	50.0	46.0		ug/L		92	54 - 128	2	28	
2,4-Dimethylphenol	50.0	47.1		ug/L		94	21 - 126	6	48	
Dimethyl phthalate	50.0	48.8		ug/L		98	53 - 127	4	27	
4,6-Dinitro-2-methylphenol	50.0	53.0		ug/L		106	19 - 150	2	34	
2,4-Dinitrophenol	50.0	51.8		ug/L		104	20 - 150	0.06	31	
2,6-Dinitrotoluene	50.0	48.9		ug/L		98	54 - 128	3	29	
2,4-Dinitrotoluene	50.0	48.9		ug/L		98	46 - 132	3	26	
Di-n-octyl phthalate	50.0	52.0		ug/L		104	50 - 142	1	28	
Bis(2-ethylhexyl)phthalate	50.0	48.5		ug/L		97	47 - 138	0.6	28	
Fluoranthene	50.0	49.4		ug/L		99	56 - 120	2	28	
Fluorene	50.0	49.6		ug/L		99	52 - 120	3	28	
Hexachlorobenzene	50.0	50.0		ug/L		100	48 - 131	3	28	
Hexachlorobutadiene	50.0	39.9		ug/L		80	28 - 120	5	43	
Hexachlorocyclopentadiene	50.0	27.7		ug/L		55	17 - 120	3	43	
Hexachloroethane	50.0	39.4		ug/L		79	30 - 120	9	45	
Indeno (1,2,3-cd) pyrene	50.0	51.8		ug/L		104	54 - 125	1	27	
Isophorone	50.0	42.4		ug/L		85	47 - 120	4	31	
2-Methylnaphthalene	50.0	41.7		ug/L		83	31 - 120	4	35	
2-Methylphenol	50.0	38.7		ug/L		77	38 - 120	8	32	
Naphthalene	50.0	44.6		ug/L		89	37 - 120	5	37	
3/4-Methylphenol	50.0	34.7		ug/L		69	33 - 120	6	34	
3-Nitroaniline	50.0	59.4		ug/L		119	54 - 121	3	26	
2-Nitroaniline	50.0	55.1		ug/L		110	46 - 131	3	24	
4-Nitroaniline	50.0	57.6		ug/L		115	55 - 123	2	26	
Nitrobenzene	50.0	41.0		ug/L		82	36 - 120	5	28	
4-Nitrophenol	50.0	20.5	J	ug/L		41	10 - 120	5	38	
2-Nitrophenol	50.0	51.5		ug/L		103	32 - 120	4	31	
N-Nitrosodiphenylamine	50.0	57.7		ug/L		115	58 - 149	3	26	
N-Nitrosodi-n-propylamine	50.0	52.0		ug/L		104	51 - 120	8	37	
Pentachlorophenol	50.0	59.5		ug/L		119	21 - 150	3	31	
Phenanthrene	50.0	48.7		ug/L		97	56 - 120	3	26	
Phenol	50.0	21.0		ug/L		42	14 - 120	4	42	
Pyrene	50.0	48.8		ug/L		98	53 - 129	1	29	
1,2,4-Trichlorobenzene	50.0	33.6		ug/L		67	30 - 120	6	35	
2,4,6-Trichlorophenol	50.0	51.1		ug/L		102	39 - 135	1	40	
2,4,5-Trichlorophenol	50.0	47.6		ug/L		95	40 - 129	3	34	

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
Terphenyl-d14	106		13 - 120
2,4,6-Tribromophenol	90		10 - 120
Phenol-d5	31		10 - 120
2-Fluorobiphenyl	83		29 - 120
2-Fluorophenol	52		10 - 120
Nitrobenzene-d5	92		27 - 120



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-MS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike	Matrix Spike		Unit	D	%Rec	Limits
	Result			Result	Qualifier					
Acenaphthene	2.06		49.5	48.4		ug/L		94	46 - 120	
Acenaphthylene	<0.990		49.5	42.2		ug/L		85	48 - 120	
Anthracene	<0.990		49.5	47.5		ug/L		96	56 - 130	
Benzo (a) anthracene	<0.990		49.5	46.8		ug/L		95	57 - 122	
Benzo (a) pyrene	<0.990		49.5	50.3		ug/L		102	46 - 138	
Benzo (b) fluoranthene	<0.990		49.5	52.6		ug/L		106	45 - 138	
Benzo (g,h,i) perylene	<0.990		49.5	48.6		ug/L		98	48 - 137	
Benzo (k) fluoranthene	<0.990		49.5	40.2		ug/L		81	44 - 134	
4-Bromophenyl phenyl ether	<4.95		49.5	46.8		ug/L		95	47 - 127	
Butyl benzyl phthalate	<4.95		49.5	50.8		ug/L		103	51 - 146	
Carbazole	<4.95		49.5	48.8		ug/L		98	53 - 123	
4-Chloro-3-methylphenol	<4.95		49.5	47.6		ug/L		96	38 - 120	
4-Chloroaniline	<4.95		49.5	39.5		ug/L		80	35 - 120	
Bis(2-chloroethoxy)methane	<4.95		49.5	41.4		ug/L		84	41 - 120	
Bis(2-chloroethyl)ether	<4.95		49.5	42.4		ug/L		86	42 - 120	
Bis(2-chloroisopropyl)ether	<4.95		49.5	43.0		ug/L		87	44 - 120	
2-Chloronaphthalene	<4.95		49.5	38.3		ug/L		77	39 - 120	
2-Chlorophenol	<4.95		49.5	43.0		ug/L		87	40 - 120	
4-Chlorophenyl phenyl ether	<4.95		49.5	44.7		ug/L		90	50 - 120	
Chrysene	<0.990		49.5	42.6		ug/L		86	54 - 123	
Dibenz (a,h) anthracene	<0.990		49.5	48.4		ug/L		98	50 - 136	
Dibenzofuran	<4.95		49.5	46.7		ug/L		94	50 - 120	
Di-n-butyl phthalate	<4.95		49.5	47.6		ug/L		96	54 - 140	
1,4-Dichlorobenzene	<4.95		49.5	33.9		ug/L		68	31 - 120	
1,2-Dichlorobenzene	<4.95		49.5	35.9		ug/L		73	29 - 120	
1,3-Dichlorobenzene	<4.95		49.5	34.2		ug/L		69	27 - 120	
3,3-Dichlorobenzidine	<4.95		49.5	<4.95	M8	ug/L			10 - 130	
2,4-Dichlorophenol	<4.95		49.5	43.0		ug/L		87	38 - 120	
Diethyl phthalate	<4.95		49.5	43.8		ug/L		89	53 - 128	
2,4-Dimethylphenol	<4.95		49.5	45.7		ug/L		92	11 - 130	
Dimethyl phthalate	<4.95		49.5	45.2		ug/L		91	53 - 127	
4,6-Dinitro-2-methylphenol	<12.9		49.5	56.9		ug/L		115	10 - 157	
2,4-Dinitrophenol	<12.9		49.5	70.2		ug/L		142	10 - 176	
2,6-Dinitrotoluene	<4.95		49.5	47.8		ug/L		97	54 - 128	
2,4-Dinitrotoluene	<4.95		49.5	47.8		ug/L		97	46 - 134	
Di-n-octyl phthalate	<4.95		49.5	51.0		ug/L		103	50 - 142	
Bis(2-ethylhexyl)phthalate	<4.95		49.5	49.2		ug/L		99	44 - 138	
Fluoranthene	<0.990		49.5	47.8		ug/L		96	56 - 120	
Fluorene	1.17		49.5	47.0		ug/L		93	52 - 120	
Hexachlorobenzene	<4.95		49.5	47.5		ug/L		96	48 - 131	
Hexachlorobutadiene	<4.95		49.5	42.1		ug/L		85	24 - 120	
Hexachlorocyclopentadiene	<4.95		49.5	27.9		ug/L		56	10 - 120	
Hexachloroethane	<4.95		49.5	39.8		ug/L		80	26 - 120	
Indeno (1,2,3-cd) pyrene	<0.990		49.5	48.4		ug/L		98	50 - 136	
Isophorone	<4.95		49.5	40.0		ug/L		81	42 - 120	
2-Methylnaphthalene	<0.990		49.5	41.9		ug/L		85	31 - 120	
2-Methylphenol	<4.95		49.5	36.6		ug/L		74	36 - 120	
Naphthalene	<0.990		49.5	43.8		ug/L		88	32 - 120	
3/4-Methylphenol	<4.95		49.5	32.4		ug/L		66	32 - 120	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-MS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
3-Nitroaniline	<12.9		49.5	50.7		ug/L		102	38 - 121	
2-Nitroaniline	<12.9		49.5	53.4		ug/L		108	46 - 131	
4-Nitroaniline	<12.9		49.5	55.7		ug/L		113	47 - 124	
Nitrobenzene	<4.95		49.5	38.8		ug/L		78	36 - 120	
4-Nitrophenol	<4.95		49.5	22.3	J	ug/L		45	10 - 120	
2-Nitrophenol	<4.95		49.5	<4.95	M8	ug/L			32 - 120	
N-Nitrosodiphenylamine	<4.95		49.5	56.4		ug/L		114	45 - 149	
N-Nitrosodi-n-propylamine	<4.95		49.5	46.9		ug/L		95	50 - 121	
Pentachlorophenol	<12.9		49.5	64.3		ug/L		130	21 - 159	
Phenanthrene	<0.990		49.5	46.8		ug/L		94	53 - 120	
Phenol	<4.95		49.5	19.6		ug/L		40	10 - 120	
Pyrene	<0.990		49.5	46.6		ug/L		94	50 - 129	
1,2,4-Trichlorobenzene	<4.95		49.5	34.1		ug/L		69	27 - 120	
2,4,6-Trichlorophenol	<4.95		49.5	50.1		ug/L		101	39 - 135	
2,4,5-Trichlorophenol	<12.9		49.5	45.4		ug/L		92	40 - 129	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits
Terphenyl-d14	92		13 - 120
2,4,6-Tribromophenol	92		10 - 120
Phenol-d5	31		10 - 120
2-Fluorobiphenyl	79		29 - 120
2-Fluorophenol	48		10 - 120
Nitrobenzene-d5	86		27 - 120

**Lab Sample ID: 11K3448-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier						RPD	Limit
Acenaphthene	2.06		49.0	43.2		ug/L		84	46 - 120	11	31	
Acenaphthylene	<0.990		49.0	38.2		ug/L		78	48 - 120	10	31	
Anthracene	<0.990		49.0	42.5		ug/L		87	56 - 130	11	28	
Benzo (a) anthracene	<0.990		49.0	41.2		ug/L		84	57 - 122	13	27	
Benzo (a) pyrene	<0.990		49.0	45.2		ug/L		92	46 - 138	11	27	
Benzo (b) fluoranthene	<0.990		49.0	46.7		ug/L		95	45 - 138	12	39	
Benzo (g,h,i) perylene	<0.990		49.0	43.2		ug/L		88	48 - 137	12	27	
Benzo (k) fluoranthene	<0.990		49.0	36.5		ug/L		74	44 - 134	10	32	
4-Bromophenyl phenyl ether	<4.95		49.0	40.9		ug/L		83	47 - 127	14	29	
Butyl benzyl phthalate	<4.95		49.0	44.8		ug/L		91	51 - 146	13	31	
Carbazole	<4.95		49.0	42.9		ug/L		88	53 - 123	13	29	
4-Chloro-3-methylphenol	<4.95		49.0	43.8		ug/L		89	38 - 120	8	22	
4-Chloroaniline	<4.95		49.0	38.8		ug/L		79	35 - 120	2	26	
Bis(2-chloroethoxy)methane	<4.95		49.0	38.2		ug/L		78	41 - 120	8	31	
Bis(2-chloroethyl)ether	<4.95		49.0	40.1		ug/L		82	42 - 120	5	38	
Bis(2-chloroisopropyl)ether	<4.95		49.0	40.5		ug/L		83	44 - 120	6	36	
2-Chloronaphthalene	<4.95		49.0	34.6		ug/L		71	39 - 120	10	36	
2-Chlorophenol	<4.95		49.0	40.4		ug/L		82	40 - 120	6	46	
4-Chlorophenyl phenyl ether	<4.95		49.0	40.1		ug/L		82	50 - 120	11	29	
Chrysene	<0.990		49.0	38.5		ug/L		78	54 - 123	10	27	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3448-MSD1

Matrix: Water

Analysis Batch: 11K3448

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11K3448\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Dibenz (a,h) anthracene	<0.990		49.0	43.6		ug/L		89	50 - 136	11	28	
Dibenzofuran	<4.95		49.0	42.1		ug/L		86	50 - 120	10	29	
Di-n-butyl phthalate	<4.95		49.0	41.5		ug/L		85	54 - 140	14	27	
1,4-Dichlorobenzene	<4.95		49.0	32.4		ug/L		66	31 - 120	4	44	
1,2-Dichlorobenzene	<4.95		49.0	33.8		ug/L		69	29 - 120	6	42	
1,3-Dichlorobenzene	<4.95		49.0	32.6		ug/L		66	27 - 120	5	42	
3,3-Dichlorobenzidine	<4.95		49.0	<4.90	M8	ug/L			10 - 130		30	
2,4-Dichlorophenol	<4.95		49.0	39.3		ug/L		80	38 - 120	9	30	
Diethyl phthalate	<4.95		49.0	39.5		ug/L		81	53 - 128	10	28	
2,4-Dimethylphenol	<4.95		49.0	42.0		ug/L		86	11 - 130	8	48	
Dimethyl phthalate	<4.95		49.0	40.9		ug/L		83	53 - 127	10	27	
4,6-Dinitro-2-methylphenol	<12.9		49.0	50.5		ug/L		103	10 - 157	12	34	
2,4-Dinitrophenol	<12.9		49.0	62.9		ug/L		128	10 - 176	11	31	
2,6-Dinitrotoluene	<4.95		49.0	42.0		ug/L		86	54 - 128	13	29	
2,4-Dinitrotoluene	<4.95		49.0	42.0		ug/L		86	46 - 134	13	26	
Di-n-octyl phthalate	<4.95		49.0	45.5		ug/L		93	50 - 142	11	28	
Bis(2-ethylhexyl)phthalate	<4.95		49.0	43.7		ug/L		89	44 - 138	12	28	
Fluoranthene	<0.990		49.0	42.4		ug/L		87	56 - 120	12	28	
Fluorene	1.17		49.0	42.1		ug/L		84	52 - 120	11	28	
Hexachlorobenzene	<4.95		49.0	42.1		ug/L		86	48 - 131	12	28	
Hexachlorobutadiene	<4.95		49.0	37.7		ug/L		77	24 - 120	11	43	
Hexachlorocyclopentadiene	<4.95		49.0	24.1		ug/L		49	10 - 120	15	43	
Hexachloroethane	<4.95		49.0	38.0		ug/L		77	26 - 120	5	45	
Indeno (1,2,3-cd) pyrene	<0.990		49.0	43.3		ug/L		88	50 - 136	11	27	
Isophorone	<4.95		49.0	37.0		ug/L		75	42 - 120	8	31	
2-Methylnaphthalene	<0.990		49.0	37.9		ug/L		77	31 - 120	10	35	
2-Methylphenol	<4.95		49.0	33.7		ug/L		69	36 - 120	8	32	
Naphthalene	<0.990		49.0	40.5		ug/L		83	32 - 120	8	37	
3/4-Methylphenol	<4.95		49.0	30.1		ug/L		61	32 - 120	8	34	
3-Nitroaniline	<12.9		49.0	46.0		ug/L		94	38 - 121	10	26	
2-Nitroaniline	<12.9		49.0	49.0		ug/L		100	46 - 131	9	24	
4-Nitroaniline	<12.9		49.0	46.8		ug/L		96	47 - 124	17	26	
Nitrobenzene	<4.95		49.0	36.2		ug/L		74	36 - 120	7	28	
4-Nitrophenol	<4.95		49.0	20.9	J	ug/L		43	10 - 120	6	38	
2-Nitrophenol	<4.95		49.0	46.4		ug/L		95	32 - 120		31	
N-Nitrosodiphenylamine	<4.95		49.0	50.7		ug/L		103	45 - 149	11	26	
N-Nitrosodi-n-propylamine	<4.95		49.0	44.0		ug/L		90	50 - 121	6	37	
Pentachlorophenol	<12.9		49.0	55.1		ug/L		112	21 - 159	15	31	
Phenanthrene	<0.990		49.0	41.5		ug/L		85	53 - 120	12	26	
Phenol	<4.95		49.0	18.9		ug/L		39	10 - 120	3	42	
Pyrene	<0.990		49.0	41.4		ug/L		84	50 - 129	12	29	
1,2,4-Trichlorobenzene	<4.95		49.0	30.6		ug/L		62	27 - 120	11	35	
2,4,6-Trichlorophenol	<4.95		49.0	44.9		ug/L		92	39 - 135	11	40	
2,4,5-Trichlorophenol	<12.9		49.0	41.0		ug/L		84	40 - 129	10	34	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
Terphenyl-d14	83		13 - 120
2,4,6-Tribromophenol	80		10 - 120
Phenol-d5	29		10 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

<i>Surrogate</i>	<i>Matrix Spike Dup %Recovery</i>	<i>Matrix Spike Dup Qualifier</i>	<i>Limits</i>
2-Fluorobiphenyl	72		29 - 120
2-Fluorophenol	47		10 - 120
Nitrobenzene-d5	83		27 - 120

**Lab Sample ID: 11K3481-BLK1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

<b>Analyte</b>	<b>Blank Result</b>	<b>Blank Qualifier</b>	<b>RL</b>	<b>MDL</b>	<b>Unit</b>	<b>D</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3481-BLK1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	90		18 - 120	11/15/11 07:52	11/15/11 18:10	1.00
2,4,6-Tribromophenol	69		19 - 120	11/15/11 07:52	11/15/11 18:10	1.00
Phenol-d5	58		18 - 120	11/15/11 07:52	11/15/11 18:10	1.00
2-Fluorobiphenyl	69		14 - 120	11/15/11 07:52	11/15/11 18:10	1.00
2-Fluorophenol	59		17 - 120	11/15/11 07:52	11/15/11 18:10	1.00
Nitrobenzene-d5	63		17 - 120	11/15/11 07:52	11/15/11 18:10	1.00

**Lab Sample ID: 11K3481-BS1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.15		mg/kg wet		69	36 - 120
Acenaphthylene	1.67	1.08		mg/kg wet		65	38 - 120
Anthracene	1.67	1.23		mg/kg wet		74	46 - 124
Benzo (a) anthracene	1.67	1.33		mg/kg wet		80	45 - 120
Benzo (a) pyrene	1.67	1.40		mg/kg wet		84	45 - 120
Benzo (b) fluoranthene	1.67	1.29		mg/kg wet		77	42 - 120
Benzo (g,h,i) perylene	1.67	1.21		mg/kg wet		73	38 - 120
Benzo (k) fluoranthene	1.67	1.28		mg/kg wet		77	42 - 120
4-Bromophenyl phenyl ether	1.67	1.32		mg/kg wet		79	40 - 120
Butyl benzyl phthalate	1.67	1.19		mg/kg wet		72	43 - 133
Carbazole	1.67	1.27		mg/kg wet		76	44 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3481-BS1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
4-Chloro-3-methylphenol	1.67	1.02		mg/kg wet		61	38 - 120
4-Chloroaniline	1.67	1.11		mg/kg wet		67	35 - 120
Bis(2-chloroethoxy)methane	1.67	0.986		mg/kg wet		59	32 - 120
Bis(2-chloroethyl)ether	1.67	0.994		mg/kg wet		60	31 - 120
Bis(2-chloroisopropyl)ether	1.67	0.994		mg/kg wet		60	32 - 120
2-Chloronaphthalene	1.67	0.965		mg/kg wet		58	34 - 120
2-Chlorophenol	1.67	1.04		mg/kg wet		62	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.32		mg/kg wet		79	42 - 120
Chrysene	1.67	1.27		mg/kg wet		76	43 - 120
Dibenz (a,h) anthracene	1.67	1.10		mg/kg wet		66	32 - 128
Dibenzofuran	1.67	1.26		mg/kg wet		76	41 - 120
Di-n-butyl phthalate	1.67	1.15		mg/kg wet		69	46 - 127
1,4-Dichlorobenzene	1.67	0.929		mg/kg wet		56	32 - 120
1,2-Dichlorobenzene	1.67	0.933		mg/kg wet		56	33 - 120
1,3-Dichlorobenzene	1.67	0.938		mg/kg wet		56	32 - 120
3,3-Dichlorobenzidine	1.67	1.33		mg/kg wet		80	39 - 120
2,4-Dichlorophenol	1.67	1.08		mg/kg wet		65	32 - 120
Diethyl phthalate	1.67	1.11		mg/kg wet		67	41 - 122
2,4-Dimethylphenol	1.67	1.09		mg/kg wet		65	32 - 120
Dimethyl phthalate	1.67	1.14		mg/kg wet		69	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.39		mg/kg wet		84	27 - 134
2,4-Dinitrophenol	1.67	1.40		mg/kg wet		84	23 - 142
2,6-Dinitrotoluene	1.67	1.18		mg/kg wet		71	43 - 120
2,4-Dinitrotoluene	1.67	1.18		mg/kg wet		71	43 - 120
Di-n-octyl phthalate	1.67	1.09		mg/kg wet		66	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	1.04		mg/kg wet		62	43 - 120
Fluoranthene	1.67	1.37		mg/kg wet		82	46 - 120
Fluorene	1.67	1.25		mg/kg wet		75	42 - 120
Hexachlorobenzene	1.67	1.43		mg/kg wet		86	44 - 120
Hexachlorobutadiene	1.67	1.20		mg/kg wet		72	31 - 120
Hexachlorocyclopentadiene	1.67	0.769		mg/kg wet		46	24 - 120
Hexachloroethane	1.67	0.949		mg/kg wet		57	33 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.12		mg/kg wet		67	41 - 121
Isophorone	1.67	0.928		mg/kg wet		56	33 - 120
2-Methylnaphthalene	1.67	1.09		mg/kg wet		65	28 - 120
2-Methylphenol	1.67	0.954		mg/kg wet		57	36 - 120
3/4-Methylphenol	1.67	0.929		mg/kg wet		56	37 - 120
Naphthalene	1.67	1.18		mg/kg wet		71	32 - 120
3-Nitroaniline	1.67	1.23		mg/kg wet		74	42 - 120
2-Nitroaniline	1.67	1.25		mg/kg wet		75	40 - 120
4-Nitroaniline	1.67	1.31		mg/kg wet		79	43 - 120
Nitrobenzene	1.67	0.844		mg/kg wet		51	26 - 120
4-Nitrophenol	1.67	1.25		mg/kg wet		75	32 - 136
2-Nitrophenol	1.67	1.07		mg/kg wet		64	29 - 120
N-Nitrosodiphenylamine	1.67	1.53		mg/kg wet		92	52 - 140
N-Nitrosodi-n-propylamine	1.67	1.05		mg/kg wet		63	35 - 120
Pentachlorophenol	1.67	1.58		mg/kg wet		95	44 - 134
Phenanthrene	1.67	1.24		mg/kg wet		75	45 - 120
Phenol	1.67	1.05		mg/kg wet		63	30 - 120
Pyrene	1.67	1.34		mg/kg wet		80	43 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3481-BS1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	1.67	0.957		mg/kg wet		57	29 - 120
2,4,6-Trichlorophenol	1.67	1.33		mg/kg wet		80	39 - 120
2,4,5-Trichlorophenol	1.67	1.08		mg/kg wet		65	39 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	78		18 - 120
2,4,6-Tribromophenol	64		19 - 120
Phenol-d5	57		18 - 120
2-Fluorobiphenyl	58		14 - 120
2-Fluorophenol	50		17 - 120
Nitrobenzene-d5	53		17 - 120

**Lab Sample ID: 11K3481-MS1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	<0.0345		1.71	0.999		mg/kg dry	☼	58	19 - 120
Acenaphthylene	<0.0345		1.71	0.957		mg/kg dry	☼	56	25 - 120
Anthracene	<0.0345		1.71	1.06		mg/kg dry	☼	62	28 - 125
Benzo (a) anthracene	<0.0345		1.71	1.17		mg/kg dry	☼	68	23 - 120
Benzo (a) pyrene	<0.0345		1.71	1.13		mg/kg dry	☼	66	15 - 128
Benzo (b) fluoranthene	<0.0345		1.71	1.10		mg/kg dry	☼	64	12 - 133
Benzo (g,h,i) perylene	<0.0345		1.71	1.08		mg/kg dry	☼	63	22 - 120
Benzo (k) fluoranthene	<0.0345		1.71	0.951		mg/kg dry	☼	56	28 - 120
4-Bromophenyl phenyl ether	<0.170		1.71	1.16		mg/kg dry	☼	68	31 - 120
Butyl benzyl phthalate	<0.170		1.71	1.03		mg/kg dry	☼	60	24 - 133
Carbazole	<0.170		1.71	1.06		mg/kg dry	☼	62	25 - 123
4-Chloro-3-methylphenol	<0.170		1.71	0.230	M8 J	mg/kg dry	☼	13	21 - 120
4-Chloroaniline	<0.170		1.71	0.958		mg/kg dry	☼	56	26 - 120
Bis(2-chloroethoxy)methane	<0.170		1.71	0.907		mg/kg dry	☼	53	24 - 120
Bis(2-chloroethyl)ether	<0.170		1.71	0.944		mg/kg dry	☼	55	22 - 120
Bis(2-chloroisopropyl)ether	<0.170		1.71	0.995		mg/kg dry	☼	58	20 - 120
2-Chloronaphthalene	<0.170		1.71	0.860		mg/kg dry	☼	50	24 - 120
2-Chlorophenol	<0.170		1.71	<0.171	M8	mg/kg dry	☼		25 - 120
4-Chlorophenyl phenyl ether	<0.170		1.71	1.14		mg/kg dry	☼	66	26 - 120
Chrysene	<0.0345		1.71	1.09		mg/kg dry	☼	64	20 - 120
Dibenz (a,h) anthracene	<0.0345		1.71	0.987		mg/kg dry	☼	58	12 - 128
Dibenzofuran	<0.170		1.71	1.11		mg/kg dry	☼	65	21 - 120
Di-n-butyl phthalate	<0.170		1.71	0.957		mg/kg dry	☼	56	29 - 126
1,4-Dichlorobenzene	<0.170		1.71	0.858		mg/kg dry	☼	50	10 - 120
1,2-Dichlorobenzene	<0.170		1.71	0.836		mg/kg dry	☼	49	10 - 120
1,3-Dichlorobenzene	<0.170		1.71	0.836		mg/kg dry	☼	49	10 - 120
3,3-Dichlorobenzidine	<0.170		1.71	1.10		mg/kg dry	☼	64	10 - 120
2,4-Dichlorophenol	<0.170		1.71	<0.171	M8	mg/kg dry	☼		17 - 120
Diethyl phthalate	<0.170		1.71	0.987		mg/kg dry	☼	58	29 - 122
2,4-Dimethylphenol	<0.195		1.71	0.813		mg/kg dry	☼	48	17 - 120
Dimethyl phthalate	<0.170		1.71	1.02		mg/kg dry	☼	59	30 - 120
4,6-Dinitro-2-methylphenol	<0.170		1.71	<0.171	M8	mg/kg dry	☼		10 - 134

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3481-MS1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
2,4-Dinitrophenol	<0.170		1.71	<0.171	M8	mg/kg dry	*		10 - 150	
2,6-Dinitrotoluene	<0.170		1.71	1.01		mg/kg dry	*	59	24 - 120	
2,4-Dinitrotoluene	<0.170		1.71	0.979		mg/kg dry	*	57	24 - 121	
Di-n-octyl phthalate	<0.170		1.71	0.853		mg/kg dry	*	50	27 - 130	
Bis(2-ethylhexyl)phthalate	<0.170		1.71	0.903		mg/kg dry	*	53	26 - 120	
Fluoranthene	<0.0345		1.71	1.12		mg/kg dry	*	65	10 - 143	
Fluorene	<0.0345		1.71	1.09		mg/kg dry	*	64	20 - 120	
Hexachlorobenzene	<0.170		1.71	1.21		mg/kg dry	*	71	25 - 120	
Hexachlorobutadiene	<0.170		1.71	1.15		mg/kg dry	*	67	10 - 120	
Hexachlorocyclopentadiene	<0.170		1.71	0.684		mg/kg dry	*	40	10 - 120	
Hexachloroethane	<0.170		1.71	0.909		mg/kg dry	*	53	10 - 120	
Indeno (1,2,3-cd) pyrene	<0.0345		1.71	0.960		mg/kg dry	*	56	22 - 121	
Isophorone	<0.170		1.71	0.813		mg/kg dry	*	48	24 - 120	
2-Methylnaphthalene	<0.0345		1.71	0.990		mg/kg dry	*	58	13 - 120	
2-Methylphenol	<0.170		1.71	0.638		mg/kg dry	*	37	23 - 120	
3/4-Methylphenol	<0.170		1.71	0.436		mg/kg dry	*	25	19 - 120	
Naphthalene	<0.0345		1.71	1.07		mg/kg dry	*	62	10 - 120	
3-Nitroaniline	<0.170		1.71	1.10		mg/kg dry	*	64	31 - 120	
2-Nitroaniline	<0.170		1.71	1.06		mg/kg dry	*	62	31 - 120	
4-Nitroaniline	<0.170		1.71	1.07		mg/kg dry	*	62	28 - 120	
Nitrobenzene	<0.170		1.71	0.721		mg/kg dry	*	42	19 - 120	
4-Nitrophenol	<0.170		1.71	<0.171	M8	mg/kg dry	*		16 - 139	
2-Nitrophenol	<0.199		1.71	<0.201	M8	mg/kg dry	*		23 - 120	
N-Nitrosodiphenylamine	<0.186		1.71	1.33		mg/kg dry	*	78	26 - 150	
N-Nitrosodi-n-propylamine	<0.170		1.71	0.912		mg/kg dry	*	53	24 - 120	
Pentachlorophenol	<0.170		1.71	<0.171	M8	mg/kg dry	*		19 - 145	
Phenanthrene	<0.0345		1.71	1.08		mg/kg dry	*	63	21 - 122	
Phenol	<0.170		1.71	0.418		mg/kg dry	*	24	15 - 120	
Pyrene	<0.0345		1.71	1.26		mg/kg dry	*	74	20 - 123	
1,2,4-Trichlorobenzene	<0.170		1.71	0.899		mg/kg dry	*	53	14 - 120	
2,4,6-Trichlorophenol	<0.170		1.71	<0.171	M8	mg/kg dry	*		24 - 122	
2,4,5-Trichlorophenol	<0.170		1.71	<0.171	M8	mg/kg dry	*		27 - 120	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Terphenyl-d14	74		18 - 120
2,4,6-Tribromophenol	0.6	ZX	19 - 120
Phenol-d5	17	ZX	18 - 120
2-Fluorobiphenyl	53		14 - 120
2-Fluorophenol	3	ZX	17 - 120
Nitrobenzene-d5	47		17 - 120

**Lab Sample ID: 11K3481-MSD1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acenaphthene	<0.0345		1.69	1.04		mg/kg dry	*	62	19 - 120	4	50	
Acenaphthylene	<0.0345		1.69	0.947		mg/kg dry	*	56	25 - 120	1	50	
Anthracene	<0.0345		1.69	1.06		mg/kg dry	*	62	28 - 125	0.9	49	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3481-MSD1

Matrix: Soil

Analysis Batch: 11K3481

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11K3481\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Benzo (a) anthracene	<0.0345		1.69	1.16		mg/kg dry	*	69	23 - 120	0.3	50
Benzo (a) pyrene	<0.0345		1.69	1.11		mg/kg dry	*	66	15 - 128	2	50
Benzo (b) fluoranthene	<0.0345		1.69	1.13		mg/kg dry	*	67	12 - 133	4	50
Benzo (g,h,i) perylene	<0.0345		1.69	1.07		mg/kg dry	*	63	22 - 120	0.8	50
Benzo (k) fluoranthene	<0.0345		1.69	0.941		mg/kg dry	*	56	28 - 120	1	45
4-Bromophenyl phenyl ether	<0.170		1.69	1.18		mg/kg dry	*	70	31 - 120	2	37
Butyl benzyl phthalate	<0.170		1.69	0.992		mg/kg dry	*	59	24 - 133	4	50
Carbazole	<0.170		1.69	1.10		mg/kg dry	*	65	25 - 123	4	46
4-Chloro-3-methylphenol	<0.170		1.69	0.279	M8 J	mg/kg dry	*	16	21 - 120	19	49
4-Chloroaniline	<0.170		1.69	0.977		mg/kg dry	*	58	26 - 120	2	50
Bis(2-chloroethoxy)methane	<0.170		1.69	0.867		mg/kg dry	*	51	24 - 120	4	50
Bis(2-chloroethyl)ether	<0.170		1.69	0.866		mg/kg dry	*	51	22 - 120	9	50
Bis(2-chloroisopropyl)ether	<0.170		1.69	0.875		mg/kg dry	*	52	20 - 120	13	50
2-Chloronaphthalene	<0.170		1.69	0.857		mg/kg dry	*	51	24 - 120	0.4	50
2-Chlorophenol	<0.170		1.69	<0.170	M8	mg/kg dry	*		25 - 120		50
4-Chlorophenyl phenyl ether	<0.170		1.69	1.16		mg/kg dry	*	69	26 - 120	3	50
Chrysene	<0.0345		1.69	1.07		mg/kg dry	*	63	20 - 120	2	49
Dibenz (a,h) anthracene	<0.0345		1.69	0.988		mg/kg dry	*	58	12 - 128	0.1	50
Dibenzofuran	<0.170		1.69	1.13		mg/kg dry	*	67	21 - 120	1	50
Di-n-butyl phthalate	<0.170		1.69	0.987		mg/kg dry	*	58	29 - 126	3	49
1,4-Dichlorobenzene	<0.170		1.69	0.842		mg/kg dry	*	50	10 - 120	2	50
1,2-Dichlorobenzene	<0.170		1.69	0.836		mg/kg dry	*	49	10 - 120	0.03	50
1,3-Dichlorobenzene	<0.170		1.69	0.798		mg/kg dry	*	47	10 - 120	5	50
3,3-Dichlorobenzidine	<0.170		1.69	1.09		mg/kg dry	*	64	10 - 120	1	50
2,4-Dichlorophenol	<0.170		1.69	<0.170	M8	mg/kg dry	*		17 - 120		50
Diethyl phthalate	<0.170		1.69	0.976		mg/kg dry	*	58	29 - 122	1	45
2,4-Dimethylphenol	<0.195		1.69	0.799		mg/kg dry	*	47	17 - 120	2	50
Dimethyl phthalate	<0.170		1.69	1.05		mg/kg dry	*	62	30 - 120	3	46
4,6-Dinitro-2-methylphenol	<0.170		1.69	<0.170	M8	mg/kg dry	*		10 - 134		50
2,4-Dinitrophenol	<0.170		1.69	<0.170	M8	mg/kg dry	*		10 - 150		50
2,6-Dinitrotoluene	<0.170		1.69	1.03		mg/kg dry	*	61	24 - 120	2	50
2,4-Dinitrotoluene	<0.170		1.69	0.960		mg/kg dry	*	57	24 - 121	2	50
Di-n-octyl phthalate	<0.170		1.69	0.843		mg/kg dry	*	50	27 - 130	1	50
Bis(2-ethylhexyl)phthalate	<0.170		1.69	0.900		mg/kg dry	*	53	26 - 120	0.3	50
Fluoranthene	<0.0345		1.69	1.16		mg/kg dry	*	68	10 - 143	3	50
Fluorene	<0.0345		1.69	1.11		mg/kg dry	*	65	20 - 120	1	50
Hexachlorobenzene	<0.170		1.69	1.20		mg/kg dry	*	71	25 - 120	1	50
Hexachlorobutadiene	<0.170		1.69	1.12		mg/kg dry	*	66	10 - 120	2	50
Hexachlorocyclopentadiene	<0.170		1.69	0.675		mg/kg dry	*	40	10 - 120	1	50
Hexachloroethane	<0.170		1.69	0.902		mg/kg dry	*	53	10 - 120	0.9	50
Indeno (1,2,3-cd) pyrene	<0.0345		1.69	0.982		mg/kg dry	*	58	22 - 121	2	50
Isophorone	<0.170		1.69	0.814		mg/kg dry	*	48	24 - 120	0.04	50
2-Methylnaphthalene	<0.0345		1.69	0.969		mg/kg dry	*	57	13 - 120	2	50
2-Methylphenol	<0.170		1.69	0.603		mg/kg dry	*	36	23 - 120	6	50
3/4-Methylphenol	<0.170		1.69	0.435		mg/kg dry	*	26	19 - 120	0.2	50
Naphthalene	<0.0345		1.69	1.04		mg/kg dry	*	61	10 - 120	3	50
3-Nitroaniline	<0.170		1.69	1.11		mg/kg dry	*	65	31 - 120	0.6	49
2-Nitroaniline	<0.170		1.69	1.12		mg/kg dry	*	66	31 - 120	5	50
4-Nitroaniline	<0.170		1.69	1.12		mg/kg dry	*	66	28 - 120	5	49
Nitrobenzene	<0.170		1.69	0.741		mg/kg dry	*	44	19 - 120	3	50

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3481-MSD1

Matrix: Soil

Analysis Batch: 11K3481

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11K3481\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
4-Nitrophenol	<0.170		1.69	<0.170	M8	mg/kg dry	*		16 - 139		45
2-Nitrophenol	<0.199		1.69	<0.199	M8	mg/kg dry	*		23 - 120		50
N-Nitrosodiphenylamine	<0.186		1.69	1.32		mg/kg dry	*	78	26 - 150	1	50
N-Nitrosodi-n-propylamine	<0.170		1.69	0.880		mg/kg dry	*	52	24 - 120	4	50
Pentachlorophenol	<0.170		1.69	<0.170	M8	mg/kg dry	*		19 - 145		50
Phenanthrene	<0.0345		1.69	1.10		mg/kg dry	*	65	21 - 122	2	50
Phenol	<0.170		1.69	0.425		mg/kg dry	*	25	15 - 120	2	50
Pyrene	<0.0345		1.69	1.28		mg/kg dry	*	75	20 - 123	1	50
1,2,4-Trichlorobenzene	<0.170		1.69	0.859		mg/kg dry	*	51	14 - 120	5	50
2,4,6-Trichlorophenol	<0.170		1.69	<0.170	M8	mg/kg dry	*		24 - 122		50
2,4,5-Trichlorophenol	<0.170		1.69	<0.170	M8	mg/kg dry	*		27 - 120		50

### Matrix Spike Dup Matrix Spike Dup

Surrogate	%Recovery	Qualifier	Limits
Terphenyl-d14	73		18 - 120
2,4,6-Tribromophenol	0.2	ZX	19 - 120
Phenol-d5	15	ZX	18 - 120
2-Fluorobiphenyl	53		14 - 120
2-Fluorophenol	3	ZX	17 - 120
Nitrobenzene-d5	46		17 - 120

## Method: SW846 6010C - Total Metals by EPA 6010C

Lab Sample ID: 11K3402-BLK1

Matrix: Water

Analysis Batch: 11K3402

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11K3402\_P

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Calcium	<0.500		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Magnesium	<0.500		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Potassium	<0.500		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Sodium	<0.500		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		11/15/11 07:00	11/15/11 14:18	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3402-BS1**

**Matrix: Water**

**Analysis Batch: 11K3402**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3402\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	2.00	1.96		mg/L		98	80 - 120	
Antimony	0.100	0.115		mg/L		115	80 - 120	
Arsenic	0.0500	0.0490		mg/L		98	80 - 120	
Barium	2.00	2.06		mg/L		103	80 - 120	
Beryllium	0.0500	0.0509		mg/L		102	80 - 120	
Cadmium	0.0500	0.0507		mg/L		101	80 - 120	
Calcium	5.00	5.16		mg/L		103	80 - 120	
Chromium	0.200	0.199		mg/L		100	80 - 120	
Cobalt	0.500	0.491		mg/L		98	80 - 120	
Copper	0.250	0.249		mg/L		100	80 - 120	
Iron	1.00	0.984		mg/L		98	80 - 120	
Lead	0.0500	0.0511		mg/L		102	80 - 120	
Magnesium	5.00	5.25		mg/L		105	80 - 120	
Manganese	0.500	0.506		mg/L		101	80 - 120	
Nickel	0.500	0.506		mg/L		101	80 - 120	
Potassium	5.00	5.06		mg/L		101	80 - 120	
Selenium	0.0500	0.0506		mg/L		101	80 - 120	
Silver	0.0500	0.0491		mg/L		98	80 - 120	
Sodium	5.00	5.33		mg/L		107	80 - 120	
Thallium	0.0500	0.0491		mg/L		98	80 - 120	
Vanadium	0.500	0.507		mg/L		101	80 - 120	
Zinc	0.500	0.482		mg/L		96	80 - 120	

**Lab Sample ID: 11K3402-BSD1**

**Matrix: Water**

**Analysis Batch: 11K3402**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3402\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Aluminum	2.00	1.94		mg/L		97	80 - 120	0.7	20	
Antimony	0.100	0.115		mg/L		115	80 - 120	0.3	20	
Arsenic	0.0500	0.0482		mg/L		96	80 - 120	2	20	
Barium	2.00	2.05		mg/L		103	80 - 120	0.3	20	
Beryllium	0.0500	0.0508		mg/L		102	80 - 120	0.2	20	
Cadmium	0.0500	0.0507		mg/L		101	80 - 120	0	20	
Calcium	5.00	5.10		mg/L		102	80 - 120	1	20	
Chromium	0.200	0.197		mg/L		99	80 - 120	1	20	
Cobalt	0.500	0.484		mg/L		97	80 - 120	1	20	
Copper	0.250	0.249		mg/L		100	80 - 120	0.2	20	
Iron	1.00	0.970		mg/L		97	80 - 120	1	20	
Lead	0.0500	0.0507		mg/L		101	80 - 120	0.8	20	
Magnesium	5.00	5.23		mg/L		105	80 - 120	0.3	20	
Manganese	0.500	0.504		mg/L		101	80 - 120	0.6	20	
Nickel	0.500	0.501		mg/L		100	80 - 120	1	20	
Potassium	5.00	4.94		mg/L		99	80 - 120	2	20	
Selenium	0.0500	0.0509		mg/L		102	80 - 120	0.6	20	
Silver	0.0500	0.0492		mg/L		98	80 - 120	0.2	20	
Sodium	5.00	5.18		mg/L		104	80 - 120	3	20	
Thallium	0.0500	0.0501		mg/L		100	80 - 120	2	20	
Vanadium	0.500	0.502		mg/L		100	80 - 120	0.9	20	
Zinc	0.500	0.481		mg/L		96	80 - 120	0.2	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3402-MS1**

**Matrix: Water**

**Analysis Batch: 11K3402**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3402\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result		Added	Result	Qualifier				Limits	RPD
Aluminum	<0.0500		2.00	1.87		mg/L		94	75 - 125	
Antimony	<0.00500		0.100	0.112		mg/L		112	75 - 125	
Arsenic	0.0148		0.0500	0.0619		mg/L		94	75 - 125	
Barium	0.0565		2.00	2.05		mg/L		100	75 - 125	
Beryllium	<0.00200		0.0500	0.0504		mg/L		101	75 - 125	
Cadmium	<0.000600		0.0500	0.0495		mg/L		99	75 - 125	
Calcium	96.8		5.00	100	MHA	mg/L		63	75 - 125	
Chromium	<0.00250		0.200	0.192		mg/L		96	75 - 125	
Cobalt	<0.0100		0.500	0.480		mg/L		96	75 - 125	
Copper	<0.00500		0.250	0.244		mg/L		98	75 - 125	
Iron	0.688		1.00	1.64		mg/L		95	75 - 125	
Lead	<0.00250		0.0500	0.0514		mg/L		103	75 - 125	
Magnesium	30.5		5.00	35.0		mg/L		90	75 - 125	
Manganese	0.190		0.500	0.676		mg/L		97	75 - 125	
Nickel	<0.00500		0.500	0.495		mg/L		99	75 - 125	
Potassium	1.95		5.00	6.59		mg/L		93	75 - 125	
Selenium	<0.00500		0.0500	0.0510		mg/L		102	75 - 125	
Silver	<0.00250		0.0500	0.0487		mg/L		97	75 - 125	
Sodium	11.5		5.00	16.1		mg/L		92	75 - 125	
Thallium	<0.00500		0.0500	0.0486		mg/L		97	75 - 125	
Vanadium	<0.0100		0.500	0.496		mg/L		99	75 - 125	
Zinc	<0.0250		0.500	0.487		mg/L		97	75 - 125	

**Lab Sample ID: 11K3402-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3402**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3402\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD
	Result		Added	Result	Qualifier				Limits	RPD	Limit
Aluminum	<0.0500		2.00	2.00		mg/L		100	75 - 125	6	20
Antimony	<0.00500		0.100	0.115		mg/L		115	75 - 125	3	20
Arsenic	0.0148		0.0500	0.0661		mg/L		103	75 - 125	7	20
Barium	0.0565		2.00	2.10		mg/L		102	75 - 125	2	20
Beryllium	<0.00200		0.0500	0.0521		mg/L		104	75 - 125	3	20
Cadmium	<0.000600		0.0500	0.0509		mg/L		102	75 - 125	3	20
Calcium	96.8		5.00	103		mg/L		125	75 - 125	3	20
Chromium	<0.00250		0.200	0.198		mg/L		99	75 - 125	3	20
Cobalt	<0.0100		0.500	0.494		mg/L		99	75 - 125	3	20
Copper	<0.00500		0.250	0.251		mg/L		100	75 - 125	3	20
Iron	0.688		1.00	1.69		mg/L		100	75 - 125	3	20
Lead	<0.00250		0.0500	0.0530		mg/L		106	75 - 125	3	20
Magnesium	30.5		5.00	35.9		mg/L		109	75 - 125	3	20
Manganese	0.190		0.500	0.695		mg/L		101	75 - 125	3	20
Nickel	<0.00500		0.500	0.510		mg/L		102	75 - 125	3	20
Potassium	1.95		5.00	6.77		mg/L		96	75 - 125	3	20
Selenium	<0.00500		0.0500	0.0512		mg/L		102	75 - 125	0.4	20
Silver	<0.00250		0.0500	0.0497		mg/L		99	75 - 125	2	20
Sodium	11.5		5.00	16.6		mg/L		102	75 - 125	3	20
Thallium	<0.00500		0.0500	0.0501		mg/L		100	75 - 125	3	20
Vanadium	<0.0100		0.500	0.512		mg/L		102	75 - 125	3	20
Zinc	<0.0250		0.500	0.501		mg/L		100	75 - 125	3	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3651-BLK1**

**Matrix: Soil**

**Analysis Batch: 11K3651**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3651\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<9.52		19.0	9.52	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Antimony	<4.76		9.52	4.76	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Arsenic	<0.476		0.952	0.476	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Barium	<0.952		1.90	0.952	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Beryllium	<0.476		0.952	0.476	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Cadmium	<0.476		0.952	0.476	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Calcium	<47.6		95.2	47.6	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Chromium	<0.476		0.952	0.476	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Cobalt	<1.43		2.86	1.43	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Copper	<0.952		1.90	0.952	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Iron	9.73	B	9.52	4.76	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Lead	<0.476		0.952	0.476	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Magnesium	<47.6		95.2	47.6	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Manganese	<1.43		2.86	1.43	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Nickel	<0.952		1.90	0.952	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Potassium	<47.6		95.2	47.6	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Selenium	<0.952		1.90	0.952	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Silver	<0.476		0.952	0.476	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Sodium	<95.2		190	95.2	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Thallium	<0.952		1.90	0.952	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Vanadium	<4.76		9.52	4.76	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Zinc	<4.76		9.52	4.76	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00

**Lab Sample ID: 11K3651-BS1**

**Matrix: Soil**

**Analysis Batch: 11K3651**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3651\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	762	751		mg/kg wet		99	80 - 120
Antimony	38.1	42.8		mg/kg wet		112	80 - 120
Arsenic	19.0	18.7		mg/kg wet		98	80 - 120
Barium	762	799		mg/kg wet		105	80 - 120
Beryllium	19.0	19.0		mg/kg wet		100	80 - 120
Cadmium	19.0	19.7		mg/kg wet		103	80 - 120
Calcium	1900	1970		mg/kg wet		104	80 - 120
Chromium	76.2	76.3		mg/kg wet		100	80 - 120
Cobalt	190	199		mg/kg wet		105	80 - 120
Copper	95.2	96.4		mg/kg wet		101	80 - 120
Iron	381	378	B	mg/kg wet		99	80 - 120
Lead	19.0	20.5		mg/kg wet		108	80 - 120
Magnesium	1900	2000		mg/kg wet		105	80 - 120
Manganese	190	200		mg/kg wet		105	80 - 120
Nickel	190	202		mg/kg wet		106	80 - 120
Potassium	1900	1900		mg/kg wet		100	80 - 120
Selenium	19.0	19.2		mg/kg wet		101	80 - 120
Silver	19.0	19.0		mg/kg wet		100	75 - 125
Sodium	1900	1930		mg/kg wet		101	80 - 120
Thallium	19.0	17.7		mg/kg wet		93	80 - 120
Vanadium	190	194		mg/kg wet		102	80 - 120
Zinc	190	191		mg/kg wet		100	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3651-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 11K3651**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 11K3651\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Aluminum	763	754		mg/kg wet		99	80 - 120	0.5	20	
Antimony	38.2	42.9		mg/kg wet		112	80 - 120	0.2	20	
Arsenic	19.1	18.8		mg/kg wet		98	80 - 120	0.2	20	
Barium	763	797		mg/kg wet		104	80 - 120	0.2	20	
Beryllium	19.1	19.1		mg/kg wet		100	80 - 120	0.8	20	
Cadmium	19.1	19.5		mg/kg wet		102	80 - 120	1	20	
Chromium	76.3	76.0		mg/kg wet		100	80 - 120	0.3	20	
Cobalt	191	200		mg/kg wet		105	80 - 120	0.5	20	
Copper	95.4	97.5		mg/kg wet		102	80 - 120	1	20	
Iron	382	384	B	mg/kg wet		101	80 - 120	2	20	
Lead	19.1	20.6		mg/kg wet		108	80 - 120	0.7	20	
Magnesium	1910	2020		mg/kg wet		106	80 - 120	1	20	
Manganese	191	199		mg/kg wet		104	80 - 120	0.3	20	
Nickel	191	203		mg/kg wet		106	80 - 120	0.3	20	
Potassium	1910	1910		mg/kg wet		100	80 - 120	0.6	20	
Selenium	19.1	19.1		mg/kg wet		100	80 - 120	0.4	20	
Silver	19.1	19.0		mg/kg wet		100	75 - 125	0.3	20	
Sodium	1910	1940		mg/kg wet		102	80 - 120	0.8	20	
Thallium	19.1	17.8		mg/kg wet		93	80 - 120	0.5	20	
Vanadium	191	195		mg/kg wet		102	80 - 120	0.7	20	
Zinc	191	198		mg/kg wet		104	80 - 120	3	20	

**Lab Sample ID: 11K3651-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 11K3651**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 11K3651\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Calcium	1910	2050		mg/kg wet		107	80 - 120	4	20	

**Lab Sample ID: 11K3651-MS1**  
**Matrix: Soil**  
**Analysis Batch: 11K3651**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11K3651\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	1380		907	4140	M7	mg/kg dry	☼	305	75 - 125	
Antimony	<5.76		45.3	47.2		mg/kg dry	☼	104	75 - 125	
Arsenic	3.64		22.7	24.8		mg/kg dry	☼	93	75 - 125	
Barium	49.1		907	935		mg/kg dry	☼	98	75 - 125	
Beryllium	<0.576		22.7	22.6		mg/kg dry	☼	100	75 - 125	
Cadmium	<0.576		22.7	22.4		mg/kg dry	☼	99	75 - 125	
Calcium	57800		2270	54600	MHA	mg/kg dry	☼	-139	75 - 125	
Chromium	1.08		90.7	89.9		mg/kg dry	☼	98	75 - 125	
Cobalt	2.76		227	249		mg/kg dry	☼	109	75 - 125	
Copper	3.59		113	117		mg/kg dry	☼	100	75 - 125	
Iron	2640		453	3830	MHA B	mg/kg dry	☼	262	75 - 125	
Lead	14.7		22.7	34.6		mg/kg dry	☼	88	75 - 125	
Magnesium	1210		2270	3940		mg/kg dry	☼	120	75 - 125	
Manganese	186		227	401		mg/kg dry	☼	95	75 - 125	
Nickel	1.36		227	251		mg/kg dry	☼	110	75 - 125	
Potassium	705		2270	3230		mg/kg dry	☼	111	75 - 125	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3651-MS1**

**Matrix: Soil**

**Analysis Batch: 11K3651**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3651\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Selenium	<1.15		22.7	21.5		mg/kg dry	*	95	75 - 125
Silver	<0.576		22.7	22.6		mg/kg dry	*	100	75 - 125
Sodium	369		2270	2550		mg/kg dry	*	96	75 - 125
Thallium	<1.15		22.7	20.7		mg/kg dry	*	92	75 - 125
Vanadium	8.73		227	234		mg/kg dry	*	99	75 - 125
Zinc	17.0		227	246		mg/kg dry	*	101	75 - 125

**Lab Sample ID: 11K3651-MSD1**

**Matrix: Soil**

**Analysis Batch: 11K3651**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3651\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Aluminum	1380		905	3600	M7	mg/kg dry	*	245	75 - 125	14	20
Antimony	<5.76		45.3	48.2		mg/kg dry	*	106	75 - 125	2	20
Arsenic	3.64		22.6	24.9		mg/kg dry	*	94	75 - 125	0.5	20
Barium	49.1		905	955		mg/kg dry	*	100	75 - 125	2	20
Beryllium	<0.576		22.6	23.0		mg/kg dry	*	102	75 - 125	2	20
Cadmium	<0.576		22.6	22.5		mg/kg dry	*	100	75 - 125	0.4	20
Calcium	57800		2260	69000	MHA	mg/kg dry	*	496	75 - 125	23	20
Chromium	1.08		90.5	89.6		mg/kg dry	*	98	75 - 125	0.3	20
Cobalt	2.76		226	248		mg/kg dry	*	108	75 - 125	0.7	20
Copper	3.59		113	118		mg/kg dry	*	101	75 - 125	0.8	20
Iron	2640		453	3440	MHA B	mg/kg dry	*	178	75 - 125	11	20
Lead	14.7		22.6	34.2		mg/kg dry	*	86	75 - 125	1	20
Magnesium	1210		2260	3850		mg/kg dry	*	117	75 - 125	2	20
Manganese	186		226	409		mg/kg dry	*	99	75 - 125	2	20
Nickel	1.36		226	250		mg/kg dry	*	110	75 - 125	0.5	20
Potassium	705		2260	3190		mg/kg dry	*	110	75 - 125	1	20
Selenium	<1.15		22.6	21.8		mg/kg dry	*	96	75 - 125	2	20
Silver	<0.576		22.6	22.9		mg/kg dry	*	101	75 - 125	1	20
Sodium	369		2260	2720		mg/kg dry	*	104	75 - 125	6	20
Thallium	<1.15		22.6	20.8		mg/kg dry	*	92	75 - 125	0.1	20
Vanadium	8.73		226	234		mg/kg dry	*	99	75 - 125	0.1	20
Zinc	17.0		226	243		mg/kg dry	*	100	75 - 125	0.9	20

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 11K3436-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3436**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 11K3436\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Calcium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 18:48	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11K3436-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11K3436**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3436\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.0100		0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Magnesium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Potassium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 18:48	1.00

**Lab Sample ID: 11K3436-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11K3436**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3436\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/17/11 10:09	1.00

**Lab Sample ID: 11K3436-BS1**  
**Matrix: Water**  
**Analysis Batch: 11K3436**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3436\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	2.00	1.82		mg/L		91	80 - 120	
Antimony	0.100	0.111		mg/L		111	80 - 120	
Arsenic	0.0500	0.0525		mg/L		105	80 - 120	
Barium	2.00	2.07		mg/L		103	80 - 120	
Beryllium	0.0500	0.0493		mg/L		99	80 - 120	
Cadmium	0.0500	0.0498		mg/L		100	80 - 120	
Calcium	5.00	5.08		mg/L		102	80 - 120	
Chromium	0.200	0.196		mg/L		98	80 - 120	
Cobalt	0.500	0.500		mg/L		100	80 - 120	
Copper	0.250	0.250		mg/L		100	80 - 120	
Iron	1.00	0.960		mg/L		96	80 - 120	
Lead	0.0500	0.0518		mg/L		104	80 - 120	
Magnesium	5.00	5.00		mg/L		100	80 - 120	
Manganese	0.500	0.504		mg/L		101	80 - 120	
Nickel	0.500	0.503		mg/L		101	80 - 120	
Potassium	5.00	4.68		mg/L		94	80 - 120	
Selenium	0.0500	0.0511		mg/L		102	80 - 120	
Silver	0.0500	0.0498		mg/L		100	80 - 120	
Sodium	5.00	5.12		mg/L		102	80 - 120	
Thallium	0.0500	0.0488		mg/L		98	80 - 120	
Vanadium	0.500	0.474		mg/L		95	80 - 120	
Zinc	0.500	0.477		mg/L		95	80 - 120	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11K3436-BSD1**

**Matrix: Water**

**Analysis Batch: 11K3436**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Dissolved**

**Prep Batch: 11K3436\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Aluminum	2.00	2.04		mg/L		102	80 - 120	12	20	
Antimony	0.100	0.114		mg/L		114	80 - 120	3	20	
Arsenic	0.0500	0.0504		mg/L		101	80 - 120	4	20	
Barium	2.00	2.13		mg/L		106	80 - 120	3	20	
Beryllium	0.0500	0.0503		mg/L		101	80 - 120	2	20	
Cadmium	0.0500	0.0514		mg/L		103	80 - 120	3	20	
Calcium	5.00	5.20		mg/L		104	80 - 120	2	20	
Chromium	0.200	0.203		mg/L		101	80 - 120	4	20	
Cobalt	0.500	0.518		mg/L		104	80 - 120	4	20	
Copper	0.250	0.262		mg/L		105	80 - 120	5	20	
Iron	1.00	0.994		mg/L		99	80 - 120	3	20	
Lead	0.0500	0.0527		mg/L		105	80 - 120	2	20	
Magnesium	5.00	5.34		mg/L		107	80 - 120	7	20	
Manganese	0.500	0.513		mg/L		103	80 - 120	2	20	
Nickel	0.500	0.526		mg/L		105	80 - 120	4	20	
Potassium	5.00	5.02		mg/L		100	80 - 120	7	20	
Selenium	0.0500	0.0545		mg/L		109	80 - 120	6	20	
Silver	0.0500	0.0515		mg/L		103	80 - 120	3	20	
Sodium	5.00	5.37		mg/L		107	80 - 120	5	20	
Thallium	0.0500	0.0521		mg/L		104	80 - 120	7	20	
Vanadium	0.500	0.511		mg/L		102	80 - 120	7	20	
Zinc	0.500	0.495		mg/L		99	80 - 120	4	20	

**Lab Sample ID: 11K3436-MS1**

**Matrix: Water**

**Analysis Batch: 11K3436**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 11K3436\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	<0.0500		2.00	1.97		mg/L		98	75 - 125	
Antimony	<0.00500		0.100	0.110		mg/L		110	75 - 125	
Arsenic	<0.00500		0.0500	0.0481		mg/L		96	75 - 125	
Barium	0.0683		2.00	2.12		mg/L		102	75 - 125	
Beryllium	<0.00200		0.0500	0.0501		mg/L		100	75 - 125	
Cadmium	<0.000600		0.0500	0.0504		mg/L		101	75 - 125	
Calcium	59.8		5.00	65.7		mg/L		118	75 - 125	
Chromium	<0.00250		0.200	0.199		mg/L		100	75 - 125	
Cobalt	<0.0100		0.500	0.517		mg/L		103	75 - 125	
Copper	<0.00500		0.250	0.252		mg/L		101	75 - 125	
Iron	<0.0250		1.00	0.968		mg/L		97	75 - 125	
Lead	<0.00250		0.0500	0.0498		mg/L		100	75 - 125	
Magnesium	16.5		5.00	21.8		mg/L		107	75 - 125	
Manganese	0.246		0.500	0.750		mg/L		101	75 - 125	
Nickel	<0.00500		0.500	0.522		mg/L		104	75 - 125	
Potassium	1.28		5.00	6.23		mg/L		99	75 - 125	
Selenium	<0.00500		0.0500	0.0539		mg/L		108	75 - 125	
Silver	<0.00250		0.0500	0.0500		mg/L		100	75 - 125	
Sodium	26.0		5.00	30.4		mg/L		88	75 - 125	
Thallium	<0.00500		0.0500	0.0508		mg/L		102	75 - 125	
Vanadium	<0.0100		0.500	0.499		mg/L		100	75 - 125	
Zinc	0.0511		0.500	0.545		mg/L		99	75 - 125	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11K3436-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3436**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 11K3436\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aluminum	<0.0500		2.00	1.89		mg/L		94	75 - 125	4	20	
Antimony	<0.00500		0.100	0.105		mg/L		105	75 - 125	4	20	
Arsenic	<0.00500		0.0500	0.0471		mg/L		94	75 - 125	2	20	
Barium	0.0683		2.00	2.02		mg/L		97	75 - 125	5	20	
Beryllium	<0.00200		0.0500	0.0475		mg/L		95	75 - 125	5	20	
Cadmium	<0.000600		0.0500	0.0483		mg/L		97	75 - 125	4	20	
Calcium	59.8		5.00	62.0	MHA	mg/L		44	75 - 125	6	20	
Chromium	<0.00250		0.200	0.190		mg/L		95	75 - 125	5	20	
Cobalt	<0.0100		0.500	0.491		mg/L		98	75 - 125	5	20	
Copper	<0.00500		0.250	0.242		mg/L		97	75 - 125	4	20	
Iron	<0.0250		1.00	0.928		mg/L		93	75 - 125	4	20	
Lead	<0.00250		0.0500	0.0475		mg/L		95	75 - 125	5	20	
Magnesium	16.5		5.00	20.6		mg/L		81	75 - 125	6	20	
Manganese	0.246		0.500	0.712		mg/L		93	75 - 125	5	20	
Nickel	<0.00500		0.500	0.496		mg/L		99	75 - 125	5	20	
Potassium	1.28		5.00	5.90		mg/L		92	75 - 125	6	20	
Selenium	<0.00500		0.0500	0.0524		mg/L		105	75 - 125	3	20	
Silver	<0.00250		0.0500	0.0487		mg/L		97	75 - 125	3	20	
Sodium	26.0		5.00	29.3	MHA	mg/L		66	75 - 125	4	20	
Thallium	<0.00500		0.0500	0.0464		mg/L		93	75 - 125	9	20	
Vanadium	<0.0100		0.500	0.472		mg/L		94	75 - 125	6	20	
Zinc	0.0511		0.500	0.520		mg/L		94	75 - 125	5	20	

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 11K3357-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3357**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3357\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000100		0.000200	0.000100	mg/L		11/14/11 10:30	11/14/11 14:53	1.00

**Lab Sample ID: 11K3357-BS1**

**Matrix: Water**

**Analysis Batch: 11K3357**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3357\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Mercury	0.00100	0.00109		mg/L		109	80 - 120	

**Lab Sample ID: 11K3357-BSD1**

**Matrix: Water**

**Analysis Batch: 11K3357**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3357\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Mercury	0.00100	0.00110		mg/L		110	80 - 120	0.8	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 11K3357-MS1**  
**Matrix: Water**  
**Analysis Batch: 11K3357**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11K3357\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.00108		mg/L		108	75 - 125

**Lab Sample ID: 11K3357-MSD1**  
**Matrix: Water**  
**Analysis Batch: 11K3357**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11K3357\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.00107		mg/L		107	75 - 125	1	20

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 11K3365-BLK1**  
**Matrix: Water**  
**Analysis Batch: U020208**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3365\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		11/15/11 09:40	11/15/11 15:31	1.00

**Lab Sample ID: 11K3365-BS1**  
**Matrix: Water**  
**Analysis Batch: U020208**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3365\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00100	0.00106		mg/L		106	80 - 120

**Lab Sample ID: 11K3365-MS1**  
**Matrix: Water**  
**Analysis Batch: U020208**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3365\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.000906		mg/L		91	75 - 125

**Lab Sample ID: 11K3365-MSD1**  
**Matrix: Water**  
**Analysis Batch: U020208**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3365\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.000809		mg/L		81	75 - 125	11	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 11K3655-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 11K3655**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K3655\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.049		0.098	0.049	mg/kg wet		11/17/11 10:40	11/17/11 13:14	1.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Method: SW846 7471B - Mercury by EPA Method 7471B (Continued)

**Lab Sample ID: 11K3655-BS1**  
**Matrix: Soil**  
**Analysis Batch: 11K3655**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11K3655\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.163	0.16		mg/kg wet		96	80 - 120

**Lab Sample ID: 11K3655-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 11K3655**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 11K3655\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.166	0.16		mg/kg wet		98	80 - 120	3	20

**Lab Sample ID: 11K3655-MS1**  
**Matrix: Soil**  
**Analysis Batch: 11K3655**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11K3655\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	0.060		0.191	0.25		mg/kg dry	☼	101	80 - 120

**Lab Sample ID: 11K3655-MSD1**  
**Matrix: Soil**  
**Analysis Batch: 11K3655**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11K3655\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.060		0.189	0.28		mg/kg dry	☼	116	80 - 120	10	20

## Method: SW-846 - General Chemistry Parameters

**Lab Sample ID: 11K5634-DUP1**  
**Matrix: Soil**  
**Analysis Batch: 11K5634**

**Client Sample ID: Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11K5634\_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	Limit
% Dry Solids	88.9		87.9		%		1	20

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## GCMS Volatiles

### Analysis Batch: U020217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K2970-BLK1	Method Blank	Total	Water	SW846 8260B	11K2970_P
11K2970-BS1	Lab Control Sample	Total	Water	SW846 8260B	11K2970_P
11K2970-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	11K2970_P
11K2970-MS1	Matrix Spike	Total	Water	SW846 8260B	11K2970_P
11K2970-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	11K2970_P
NUK1797-03	Tract 67 TW-1 (8-12)	Total	Ground Water	SW846 8260B	11K2970_P
NUK1797-04	Trip Blank	Total	Water	SW846 8260B	11K2970_P

### Analysis Batch: U020362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3920-BLK1	Method Blank	Total	Soil	SW846 8260B	11K3920_P
11K3920-BLK2	Method Blank	Total	Soil	SW846 8260B	11K3920_P
11K3920-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11K3920_P
11K3920-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11K3920_P
11K3920-MS1	Matrix Spike	Total	Soil	SW846 8260B	11K3920_P
11K3920-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11K3920_P
NUK1797-02	Tract 67 SB-1 (28-32)	Total	Soil	SW846 8260B	11K3920_P

### Analysis Batch: U020516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K4251-BLK1	Method Blank	Total	Soil	SW846 8260B	11K4251_P
11K4251-BLK2	Method Blank	Total	Soil	SW846 8260B	11K4251_P
11K4251-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11K4251_P
11K4251-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11K4251_P
11K4251-MS1	Matrix Spike	Total	Soil	SW846 8260B	11K4251_P
11K4251-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11K4251_P
NUK1797-01 - RE1	Tract 67 SB-1 (0-2)	Total	Soil	SW846 8260B	11K4251_P
NUK1797-01 - RE2	Tract 67 SB-1 (0-2)	Total	Soil	SW846 8260B	11K4251_P

### Prep Batch: 11K2970\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K2970-BLK1	Method Blank	Total	Water	EPA 5030B	
11K2970-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11K2970-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
11K2970-MS1	Matrix Spike	Total	Water	EPA 5030B	
11K2970-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NUK1797-03	Tract 67 TW-1 (8-12)	Total	Ground Water	EPA 5030B	
NUK1797-04	Trip Blank	Total	Water	EPA 5030B	

### Prep Batch: 11K3920\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3920-BLK1	Method Blank	Total	Soil	EPA 5035	
11K3920-BLK2	Method Blank	Total	Soil	EPA 5035	
11K3920-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11K3920-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11K3920-MS1	Matrix Spike	Total	Soil	EPA 5035	
11K3920-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NUK1797-02	Tract 67 SB-1 (28-32)	Total	Soil	EPA 5035	

### Prep Batch: 11K4251\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K4251-BLK1	Method Blank	Total	Soil	EPA 5035	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## GCMS Volatiles (Continued)

### Prep Batch: 11K4251\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K4251-BLK2	Method Blank	Total	Soil	EPA 5035	
11K4251-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11K4251-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11K4251-MS1	Matrix Spike	Total	Soil	EPA 5035	
11K4251-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NUK1797-01 - RE1	Tract 67 SB-1 (0-2)	Total	Soil	EPA 5035	
NUK1797-01 - RE2	Tract 67 SB-1 (0-2)	Total	Soil	EPA 5035	

## GCMS Semivolatiles

### Analysis Batch: 11K3448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3448-BLK1	Method Blank	Total	Water	SW846 8270D	11K3448_P
11K3448-BS1	Lab Control Sample	Total	Water	SW846 8270D	11K3448_P
11K3448-BSD1	Lab Control Sample Dup	Total	Water	SW846 8270D	11K3448_P
11K3448-MS1	Matrix Spike	Total	Water	SW846 8270D	11K3448_P
11K3448-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8270D	11K3448_P
NUK1797-03	Tract 67 TW-1 (8-12)	Total	Ground Water	SW846 8270D	11K3448_P

### Analysis Batch: 11K3481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3481-BLK1	Method Blank	Total	Soil	SW846 8270D	11K3481_P
11K3481-BS1	Lab Control Sample	Total	Soil	SW846 8270D	11K3481_P
11K3481-MS1	Matrix Spike	Total	Soil	SW846 8270D	11K3481_P
11K3481-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8270D	11K3481_P
NUK1797-01	Tract 67 SB-1 (0-2)	Total	Soil	SW846 8270D	11K3481_P
NUK1797-02	Tract 67 SB-1 (28-32)	Total	Soil	SW846 8270D	11K3481_P

### Prep Batch: 11K3448\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3448-BLK1	Method Blank	Total	Water	EPA 3510C	
11K3448-BS1	Lab Control Sample	Total	Water	EPA 3510C	
11K3448-BSD1	Lab Control Sample Dup	Total	Water	EPA 3510C	
11K3448-MS1	Matrix Spike	Total	Water	EPA 3510C	
11K3448-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3510C	
NUK1797-03	Tract 67 TW-1 (8-12)	Total	Ground Water	EPA 3510C	

### Prep Batch: 11K3481\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3481-BLK1	Method Blank	Total	Soil	EPA 3550C	
11K3481-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
11K3481-MS1	Matrix Spike	Total	Soil	EPA 3550C	
11K3481-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550C	
NUK1797-01	Tract 67 SB-1 (0-2)	Total	Soil	EPA 3550C	
NUK1797-02	Tract 67 SB-1 (28-32)	Total	Soil	EPA 3550C	

## Metals

### Analysis Batch: 11K3357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3357-BLK1	Method Blank	Total	Water	SW846 7470A	11K3357_P
11K3357-BS1	Lab Control Sample	Total	Water	SW846 7470A	11K3357_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Metals (Continued)

### Analysis Batch: 11K3357 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3357-BSD1	Lab Control Sample Dup	Total	Water	SW846 7470A	11K3357_P
11K3357-MS1	Matrix Spike	Total	Water	SW846 7470A	11K3357_P
11K3357-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	11K3357_P
NUK1797-03	Tract 67 TW-1 (8-12)	Total	Ground Water	SW846 7470A	11K3357_P

### Analysis Batch: 11K3365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1797-03	Tract 67 TW-1 (8-12)	Dissolved	Ground Water	SW846 7470A	11K3365_P

### Analysis Batch: 11K3402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3402-BLK1	Method Blank	Total	Water	SW846 6010C	11K3402_P
11K3402-BS1	Lab Control Sample	Total	Water	SW846 6010C	11K3402_P
11K3402-BSD1	Lab Control Sample Dup	Total	Water	SW846 6010C	11K3402_P
11K3402-MS1	Matrix Spike	Total	Water	SW846 6010C	11K3402_P
11K3402-MSD1	Matrix Spike Duplicate	Total	Water	SW846 6010C	11K3402_P
NUK1797-03	Tract 67 TW-1 (8-12)	Total	Ground Water	SW846 6010C	11K3402_P

### Analysis Batch: 11K3436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3436-BLK1	Method Blank	Dissolved	Water	SW846 6010C	11K3436_P
11K3436-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	11K3436_P
11K3436-BSD1	Lab Control Sample Dup	Dissolved	Water	SW846 6010C	11K3436_P
11K3436-MS1	Matrix Spike	Dissolved	Water	SW846 6010C	11K3436_P
11K3436-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 6010C	11K3436_P
NUK1797-03	Tract 67 TW-1 (8-12)	Dissolved	Ground Water	SW846 6010C	11K3436_P

### Analysis Batch: 11K3651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3651-BLK1	Method Blank	Total	Soil	SW846 6010C	11K3651_P
11K3651-BS1	Lab Control Sample	Total	Soil	SW846 6010C	11K3651_P
11K3651-BSD1	Lab Control Sample Dup	Total	Soil	SW846 6010C	11K3651_P
11K3651-MS1	Matrix Spike	Total	Soil	SW846 6010C	11K3651_P
11K3651-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 6010C	11K3651_P
NUK1797-01	Tract 67 SB-1 (0-2)	Total	Soil	SW846 6010C	11K3651_P
NUK1797-02	Tract 67 SB-1 (28-32)	Total	Soil	SW846 6010C	11K3651_P

### Analysis Batch: 11K3655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3655-BLK1	Method Blank	Total	Soil	SW846 7471B	11K3655_P
11K3655-BS1	Lab Control Sample	Total	Soil	SW846 7471B	11K3655_P
11K3655-BSD1	Lab Control Sample Dup	Total	Soil	SW846 7471B	11K3655_P
11K3655-MS1	Matrix Spike	Total	Soil	SW846 7471B	11K3655_P
11K3655-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	11K3655_P
NUK1797-01	Tract 67 SB-1 (0-2)	Total	Soil	SW846 7471B	11K3655_P
NUK1797-02	Tract 67 SB-1 (28-32)	Total	Soil	SW846 7471B	11K3655_P

### Analysis Batch: U020208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3365-BLK1	Method Blank	Dissolved	Water	SW846 7470A	11K3365_P
11K3365-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	11K3365_P
11K3365-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	11K3365_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Metals (Continued)

### Analysis Batch: U020208 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3365-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	11K3365_P

### Prep Batch: 11K3357\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3357-BLK1	Method Blank	Total	Water	EPA 7470	
11K3357-BS1	Lab Control Sample	Total	Water	EPA 7470	
11K3357-BSD1	Lab Control Sample Dup	Total	Water	EPA 7470	
11K3357-MS1	Matrix Spike	Total	Water	EPA 7470	
11K3357-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NUK1797-03	Tract 67 TW-1 (8-12)	Total	Ground Water	EPA 7470	

### Prep Batch: 11K3365\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3365-BLK1	Method Blank	Dissolved	Water	EPA 7470	
11K3365-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
11K3365-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
11K3365-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	
NUK1797-03	Tract 67 TW-1 (8-12)	Dissolved	Ground Water	EPA 7470	

### Prep Batch: 11K3402\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3402-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
11K3402-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
11K3402-BSD1	Lab Control Sample Dup	Total	Water	EPA 3010A / 6010	
11K3402-MS1	Matrix Spike	Total	Water	EPA 3010A / 6010	
11K3402-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3010A / 6010	
NUK1797-03	Tract 67 TW-1 (8-12)	Total	Ground Water	EPA 3010A / 6010	

### Prep Batch: 11K3436\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3436-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K3436-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K3436-BSD1	Lab Control Sample Dup	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K3436-MS1	Matrix Spike	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K3436-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NUK1797-03	Tract 67 TW-1 (8-12)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

### Prep Batch: 11K3651\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3651-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
11K3651-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Metals (Continued)

### Prep Batch: 11K3651\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3651-BSD1	Lab Control Sample Dup	Total	Soil	EPA 3051A/6010	
11K3651-MS1	Matrix Spike	Total	Soil	EPA 3051A/6010	
11K3651-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3051A/6010	
NUK1797-01	Tract 67 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NUK1797-02	Tract 67 SB-1 (28-32)	Total	Soil	EPA 3051A/6010	

### Prep Batch: 11K3655\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3655-BLK1	Method Blank	Total	Soil	EPA 7471	
11K3655-BS1	Lab Control Sample	Total	Soil	EPA 7471	
11K3655-BSD1	Lab Control Sample Dup	Total	Soil	EPA 7471	
11K3655-MS1	Matrix Spike	Total	Soil	EPA 7471	
11K3655-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NUK1797-01	Tract 67 SB-1 (0-2)	Total	Soil	EPA 7471	
NUK1797-02	Tract 67 SB-1 (28-32)	Total	Soil	EPA 7471	

## Extractions

### Analysis Batch: 11K5634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K5634-DUP1	Duplicate	Total	Soil	SW-846	11K5634_P
NUK1797-01	Tract 67 SB-1 (0-2)	Total	Soil	SW-846	11K5634_P
NUK1797-02	Tract 67 SB-1 (28-32)	Total	Soil	SW-846	11K5634_P

### Prep Batch: 11K5634\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K5634-DUP1	Duplicate	Total	Soil	% Solids	
NUK1797-01	Tract 67 SB-1 (0-2)	Total	Soil	% Solids	
NUK1797-02	Tract 67 SB-1 (28-32)	Total	Soil	% Solids	

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Client Sample ID: Tract 67 SB-1 (0-2)

Lab Sample ID: NUK1797-01

Date Collected: 11/11/11 08:30

Matrix: Soil

Date Received: 11/12/11 08:30

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	1.16	11K4251_P	11/11/11 08:30	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U020516	11/16/11 16:16	MJH	TAL NSH
Total	Prep	EPA 5035	RE2	1.02	11K4251_P	11/11/11 08:30	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE2	50.0	U020516	11/16/11 17:19	MJH	TAL NSH
Total	Prep	EPA 3550C		0.997	11K3481_P	11/15/11 07:32	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3481	11/15/11 23:02	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.986	11K3651_P	11/16/11 06:39	ALJ	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3651	11/16/11 19:26	AVR	TAL NSH
Total	Prep	EPA 7471		0.99	11K3655_P	11/17/11 10:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11K3655	11/17/11 13:54	MB	TAL NSH
Total	Prep	% Solids		1.00	11K5634_P	11/22/11 13:00	MAH	TAL NSH
Total	Analysis	SW-846		1.00	11K5634	11/23/11 09:32	RRS	TAL NSH

## Client Sample ID: Tract 67 SB-1 (28-32)

Lab Sample ID: NUK1797-02

Date Collected: 11/11/11 10:30

Matrix: Soil

Date Received: 11/12/11 08:30

Percent Solids: 61.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.12	11K3920_P	11/11/11 10:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020362	11/15/11 20:37	MJH	TAL NSH
Total	Prep	EPA 3550C		0.975	11K3481_P	11/15/11 07:32	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3481	11/15/11 23:21	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		1.00	11K3651_P	11/16/11 06:39	ALJ	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3651	11/16/11 19:29	AVR	TAL NSH
Total	Prep	EPA 7471		1.0	11K3655_P	11/17/11 10:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11K3655	11/17/11 13:57	MB	TAL NSH
Total	Prep	% Solids		1.00	11K5634_P	11/22/11 13:00	MAH	TAL NSH
Total	Analysis	SW-846		1.00	11K5634	11/23/11 09:32	RRS	TAL NSH

## Client Sample ID: Tract 67 TW-1 (8-12)

Lab Sample ID: NUK1797-03

Date Collected: 11/11/11 12:30

Matrix: Ground Water

Date Received: 11/12/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K2970_P	11/12/11 15:37	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020217	11/12/11 22:35	JJR	TAL NSH
Total	Prep	EPA 3510C		1.00	11K3448_P	11/14/11 12:40	MSR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3448	11/15/11 05:33	KJP	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K3436_P	11/16/11 06:10	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	11K3436	11/16/11 20:16	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	11K3402_P	11/15/11 07:00	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3402	11/15/11 16:35	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K3365_P	11/15/11 09:40	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K3365	11/15/11 16:13	DEB	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

## Client Sample ID: Tract 67 TW-1 (8-12)

Lab Sample ID: NUK1797-03

Date Collected: 11/11/11 12:30

Matrix: Ground Water

Date Received: 11/12/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 7470		1.00	11K3357_P	11/14/11 10:30	DEB	TAL NSH
Total	Analysis	SW846 7470A		1.00	11K3357	11/14/11 15:52	DEB	TAL NSH

## Client Sample ID: Trip Blank

Lab Sample ID: NUK1797-04

Date Collected: 11/11/11 00:01

Matrix: Water

Date Received: 11/12/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K2970_P	11/12/11 15:37	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020217	11/12/11 16:37	JJR	TAL NSH

### Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



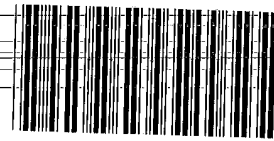
# Certification Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1797

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



## COOLER RECEIPT

NUK1797

Cooler Received/Opened On 11/12/2011@ 8:30

1. Tracking # 8751 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 1.5 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) JH

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES NO..NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) W

I certify that I attached a label with the unique LIMS number to each container (initial) W

21. Were there Non-Conformance issues at login? YES NO Was a PIPE generated? YES NO..# \_\_\_\_\_



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NUK1792  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
11/23/2011 5:43:02 PM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUK1792-01	Tract 35 TW-4 (16-20)	Ground Water	11/10/11 08:15	11/12/11 08:30
NUK1792-02	Tract 35 SB-5 (0-2)	Soil	11/10/11 10:15	11/12/11 08:30
NUK1792-03	Tract 35 SB-5 (4-8)	Soil	11/10/11 10:30	11/12/11 08:30
NUK1792-04	Tract 35 TW-5 (0-10)	Ground Water	11/10/11 11:30	11/12/11 08:30
NUK1792-05	Tract 28 SB-1 (0-2)	Soil	11/10/11 14:10	11/12/11 08:30
NUK1792-06	Tract 28 TW-1 (40-44)	Ground Water	11/10/11 17:30	11/12/11 08:30
NUK1792-07	Trip Blank	Water	11/10/11 00:01	11/12/11 08:30



# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
pH	pH >2
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GCMS Semivolatiles

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
RL1	Reporting limit raised due to sample matrix effects.

### Pesticides

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
B1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
B	Analyte was detected in the associated Method Blank.
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
P7	Sample filtered in lab.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 TW-4 (16-20)**

**Lab Sample ID: NUK1792-01**

**Date Collected: 11/10/11 08:15**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0	pH	50.0	25.0	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Benzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Bromochloromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Bromodichloromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Bromoform	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Bromomethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
2-Butanone	<25.0	pH	50.0	25.0	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Carbon disulfide	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Carbon Tetrachloride	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Chlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Chlorodibromomethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Chloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Chloroform	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Chloromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Cyclohexane	<2.50	pH	5.00	2.50	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,2-Dibromo-3-chloropropane	<5.00	pH	10.0	5.00	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,2-Dibromoethane (EDB)	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Methylcyclohexane	<2.50	pH	5.00	2.50	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,2-Dichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,3-Dichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,4-Dichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Dichlorodifluoromethane	<0.600	pH	1.00	0.600	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,2-Dichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,1-Dichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,1-Dichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
trans-1,2-Dichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,1,2-Trifluorotrichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
cis-1,2-Dichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,2-Dichloropropane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
trans-1,3-Dichloropropene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
cis-1,3-Dichloropropene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Ethylbenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
2-Hexanone	<5.00	pH	10.0	5.00	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Isopropylbenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Methyl Acetate	<5.00	pH	10.0	5.00	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Methyl tert-Butyl Ether	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Methylene Chloride	<2.50	pH	5.00	2.50	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
4-Methyl-2-pentanone	<5.00	pH	10.0	5.00	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Styrene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,1,2,2-Tetrachloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Tetrachloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Toluene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,2,4-Trichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,2,3-Trichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,1,1-Trichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
1,1,2-Trichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Trichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Trichlorofluoromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Vinyl chloride	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:13	1.00
Xylenes, total	<1.50	pH	3.00	1.50	ug/L		11/12/11 14:28	11/13/11 08:13	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 TW-4 (16-20)**

**Lab Sample ID: NUK1792-01**

**Date Collected: 11/10/11 08:15**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	99		70 - 130	11/12/11 14:28	11/13/11 08:13	1.00
Dibromofluoromethane	93		70 - 130	11/12/11 14:28	11/13/11 08:13	1.00
Toluene-d8	103		70 - 130	11/12/11 14:28	11/13/11 08:13	1.00
4-Bromofluorobenzene	96		70 - 130	11/12/11 14:28	11/13/11 08:13	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Acenaphthylene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Anthracene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Benzo (a) anthracene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Benzo (a) pyrene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Benzo (b) fluoranthene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Benzo (g,h,i) perylene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Benzo (k) fluoranthene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
4-Bromophenyl phenyl ether	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Butyl benzyl phthalate	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Carbazole	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
4-Chloro-3-methylphenol	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
4-Chloroaniline	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Bis(2-chloroethoxy)methane	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Bis(2-chloroethyl)ether	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Bis(2-chloroisopropyl)ether	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2-Chloronaphthalene	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2-Chlorophenol	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
4-Chlorophenyl phenyl ether	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Chrysene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Dibenz (a,h) anthracene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Dibenzofuran	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Di-n-butyl phthalate	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
1,4-Dichlorobenzene	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
1,2-Dichlorobenzene	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
1,3-Dichlorobenzene	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
3,3-Dichlorobenzidine	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2,4-Dichlorophenol	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Diethyl phthalate	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2,4-Dimethylphenol	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Dimethyl phthalate	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
4,6-Dinitro-2-methylphenol	<12.5		24.0	12.5	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2,4-Dinitrophenol	<12.5		24.0	12.5	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2,6-Dinitrotoluene	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2,4-Dinitrotoluene	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Di-n-octyl phthalate	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Bis(2-ethylhexyl)phthalate	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Fluoranthene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Fluorene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Hexachlorobenzene	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Hexachlorobutadiene	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Hexachlorocyclopentadiene	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Hexachloroethane	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Indeno (1,2,3-cd) pyrene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 TW-4 (16-20)**

**Lab Sample ID: NUK1792-01**

**Date Collected: 11/10/11 08:15**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2-Methylnaphthalene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2-Methylphenol	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Naphthalene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
3/4-Methylphenol	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
3-Nitroaniline	<12.5		24.0	12.5	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2-Nitroaniline	<12.5		24.0	12.5	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
4-Nitroaniline	<12.5		24.0	12.5	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Nitrobenzene	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
4-Nitrophenol	<4.81		24.0	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2-Nitrophenol	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
N-Nitrosodiphenylamine	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
N-Nitrosodi-n-propylamine	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Pentachlorophenol	<12.5		24.0	12.5	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Phenanthrene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Phenol	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
Pyrene	<0.962		1.92	0.962	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
1,2,4-Trichlorobenzene	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2,4,6-Trichlorophenol	<4.81		9.62	4.81	ug/L		11/14/11 12:40	11/15/11 04:29	1.00
2,4,5-Trichlorophenol	<12.5		24.0	12.5	ug/L		11/14/11 12:40	11/15/11 04:29	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	45		13 - 120	11/14/11 12:40	11/15/11 04:29	1.00
2,4,6-Tribromophenol	53		10 - 120	11/14/11 12:40	11/15/11 04:29	1.00
Phenol-d5	17		10 - 120	11/14/11 12:40	11/15/11 04:29	1.00
2-Fluorobiphenyl	51		29 - 120	11/14/11 12:40	11/15/11 04:29	1.00
2-Fluorophenol	27		10 - 120	11/14/11 12:40	11/15/11 04:29	1.00
Nitrobenzene-d5	64		27 - 120	11/14/11 12:40	11/15/11 04:29	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
delta-BHC	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
alpha-BHC	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
beta-BHC	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
gamma-BHC (Lindane)	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
alpha-Chlordane	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
gamma-Chlordane	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
Chlordane	<0.0931		0.186	0.0931	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
4,4'-DDD	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
4,4'-DDE	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
4,4'-DDT	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
Dieldrin	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
Endosulfan I	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
Endosulfan II	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
Endosulfan sulfate	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
Endrin	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
Endrin aldehyde	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
Endrin ketone	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
Heptachlor	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
Heptachlor epoxide	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 TW-4 (16-20)**

**Lab Sample ID: NUK1792-01**

**Date Collected: 11/10/11 08:15**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.00121		0.00233	0.00121	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
Toxaphene	<0.0931		0.186	0.0931	ug/L		11/15/11 06:15	11/15/11 13:48	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>Tetrachloro-meta-xylene</i>	80		38 - 150				11/15/11 06:15	11/15/11 13:48	1.00
<i>Decachlorobiphenyl</i>	23		10 - 141				11/15/11 06:15	11/15/11 13:48	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:22	1.00
PCB-1221	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:22	1.00
PCB-1232	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:22	1.00
PCB-1242	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:22	1.00
PCB-1248	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:22	1.00
PCB-1254	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:22	1.00
PCB-1260	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:22	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>Tetrachloro-meta-xylene</i>	100		17 - 142				11/14/11 14:30	11/16/11 02:22	1.00
<i>Decachlorobiphenyl</i>	18		10 - 149				11/14/11 14:30	11/16/11 02:22	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
<b>Arsenic</b>	<b>0.0132</b>	<b>P7</b>	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
<b>Barium</b>	<b>0.0930</b>	<b>P7</b>	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Cadmium	<0.000600	P7	0.00100	0.000600	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
<b>Calcium</b>	<b>97.1</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Cobalt	<0.0100	P7	0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Iron	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Lead	<0.00250	P7	0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
<b>Magnesium</b>	<b>39.3</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
<b>Manganese</b>	<b>0.725</b>	<b>P7</b>	0.0150	0.00750	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Nickel	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
<b>Potassium</b>	<b>8.79</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Silver	<0.00250	P7	0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
<b>Sodium</b>	<b>479</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 20:07	1.00
Zinc	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 20:07	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>19.6</b>		0.100	0.0500	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
<b>Arsenic</b>	<b>0.0597</b>		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:26	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 TW-4 (16-20)**

**Lab Sample ID: NUK1792-01**

**Date Collected: 11/10/11 08:15**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.334		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Beryllium	0.00520		0.00400	0.00200	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Cadmium	0.00650		0.00100	0.000600	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Calcium	485		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Chromium	0.106		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Cobalt	0.0360		0.0200	0.0100	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Copper	0.0967		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Iron	34.1		0.0500	0.0250	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Lead	0.110		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Magnesium	40.5		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Manganese	1.59		0.0150	0.00750	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Nickel	0.0604		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Potassium	8.78		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Sodium	349		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Vanadium	0.128		0.0200	0.0100	mg/L		11/15/11 07:00	11/15/11 15:26	1.00
Zinc	0.331		0.0500	0.0250	mg/L		11/15/11 07:00	11/15/11 15:26	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		11/15/11 09:40	11/15/11 16:02	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000479		0.000200	0.000100	mg/L		11/16/11 08:55	11/16/11 14:53	1.00

**Client Sample ID: Tract 35 SB-5 (0-2)**

**Lab Sample ID: NUK1792-02**

**Date Collected: 11/10/11 10:15**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 86.6**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0211		0.0421	0.0211	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Benzene	<0.000927		0.00168	0.000927	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Bromochloromethane	<0.00101		0.00168	0.00101	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Bromodichloromethane	<0.000842		0.00168	0.000842	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Bromoform	<0.000842		0.00168	0.000842	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Bromomethane	<0.00101		0.00168	0.00101	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
2-Butanone	<0.0211		0.0421	0.0211	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Carbon disulfide	<0.00303		0.00421	0.00303	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Carbon Tetrachloride	<0.000842		0.00168	0.000842	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Chlorobenzene	<0.000927		0.00168	0.000927	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Chlorodibromomethane	<0.000842		0.00168	0.000842	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Chloroethane	<0.00211		0.00421	0.00211	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Chloroform	<0.00110		0.00168	0.00110	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Chloromethane	<0.000927		0.00168	0.000927	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
Cyclohexane	<0.00421		0.00842	0.00421	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00
1,2-Dibromo-3-chloropropane	<0.00211		0.00421	0.00211	mg/kg dry	✱	11/10/11 10:15	11/16/11 16:48	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 SB-5 (0-2)**

**Lab Sample ID: NUK1792-02**

**Date Collected: 11/10/11 10:15**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 86.6**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	<0.000842		0.00168	0.000842	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Methylcyclohexane	<0.00421		0.00842	0.00421	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,2-Dichlorobenzene	<0.000842		0.00168	0.000842	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,3-Dichlorobenzene	<0.00101		0.00168	0.00101	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,4-Dichlorobenzene	<0.000927		0.00168	0.000927	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Dichlorodifluoromethane	<0.00118		0.00168	0.00118	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,2-Dichloroethane	<0.000927		0.00168	0.000927	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,1-Dichloroethane	<0.00110		0.00168	0.00110	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,1-Dichloroethene	<0.00101		0.00168	0.00101	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
trans-1,2-Dichloroethene	<0.00110		0.00168	0.00110	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,1,2-Trifluorotrchloroethane	<0.000927		0.00168	0.000927	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
cis-1,2-Dichloroethene	<0.000927		0.00168	0.000927	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,2-Dichloropropane	<0.000842		0.00168	0.000842	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
trans-1,3-Dichloropropene	<0.000842		0.00168	0.000842	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
cis-1,3-Dichloropropene	<0.000842		0.00168	0.000842	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Ethylbenzene	<0.000927		0.00168	0.000927	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
2-Hexanone	<0.0211		0.0421	0.0211	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Isopropylbenzene	<0.000927		0.00168	0.000927	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Methyl Acetate	<0.00421		0.00842	0.00421	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Methyl tert-Butyl Ether	<0.000842		0.00168	0.000842	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Methylene Chloride	<0.00421		0.00842	0.00421	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
4-Methyl-2-pentanone	<0.0211		0.0421	0.0211	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Styrene	<0.000927		0.00168	0.000927	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,1,2,2-Tetrachloroethane	<0.000842		0.00168	0.000842	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Tetrachloroethene	<0.00110		0.00168	0.00110	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Toluene	<0.000927		0.00168	0.000927	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,2,4-Trichlorobenzene	<0.00101		0.00168	0.00101	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,2,3-Trichlorobenzene	<0.000927		0.00168	0.000927	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,1,1-Trichloroethane	<0.000842		0.00168	0.000842	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
1,1,2-Trichloroethane	<0.00211		0.00421	0.00211	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Trichloroethene	<0.000842		0.00168	0.000842	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Trichlorofluoromethane	<0.000842		0.00168	0.000842	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Vinyl chloride	<0.000842		0.00168	0.000842	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Xylenes, total	<0.00211		0.00421	0.00211	mg/kg dry	☼	11/10/11 10:15	11/16/11 16:48	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	92		70 - 130				11/10/11 10:15	11/16/11 16:48	1.00
Dibromofluoromethane	86		70 - 130				11/10/11 10:15	11/16/11 16:48	1.00
Toluene-d8	101		70 - 130				11/10/11 10:15	11/16/11 16:48	1.00
4-Bromofluorobenzene	104		70 - 130				11/10/11 10:15	11/16/11 16:48	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Acenaphthylene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Anthracene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Benzo (a) anthracene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Benzo (a) pyrene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Benzo (b) fluoranthene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Benzo (g,h,i) perylene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Benzo (k) fluoranthene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 SB-5 (0-2)**

**Lab Sample ID: NUK1792-02**

**Date Collected: 11/10/11 10:15**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 86.6**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Butyl benzyl phthalate	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Carbazole	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
4-Chloro-3-methylphenol	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
4-Chloroaniline	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Bis(2-chloroethoxy)methane	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Bis(2-chloroethyl)ether	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Bis(2-chloroisopropyl)ether	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2-Chloronaphthalene	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2-Chlorophenol	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
4-Chlorophenyl phenyl ether	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Chrysene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Dibenz (a,h) anthracene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Dibenzofuran	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Di-n-butyl phthalate	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
1,4-Dichlorobenzene	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
1,2-Dichlorobenzene	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
1,3-Dichlorobenzene	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
3,3-Dichlorobenzidine	<0.955	RL1	3.81	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2,4-Dichlorophenol	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Diethyl phthalate	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2,4-Dimethylphenol	<1.10	RL1	1.90	1.10	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Dimethyl phthalate	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
4,6-Dinitro-2-methylphenol	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2,4-Dinitrophenol	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2,6-Dinitrotoluene	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2,4-Dinitrotoluene	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Di-n-octyl phthalate	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Bis(2-ethylhexyl)phthalate	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Fluoranthene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Fluorene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Hexachlorobenzene	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Hexachlorobutadiene	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Hexachlorocyclopentadiene	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Hexachloroethane	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Indeno (1,2,3-cd) pyrene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Isophorone	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2-Methylnaphthalene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2-Methylphenol	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
3/4-Methylphenol	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Naphthalene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
3-Nitroaniline	<0.955	RL1	4.76	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2-Nitroaniline	<0.955	RL1	4.76	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
4-Nitroaniline	<0.955	RL1	4.76	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Nitrobenzene	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
4-Nitrophenol	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2-Nitrophenol	<1.12	RL1	1.90	1.12	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
N-Nitrosodiphenylamine	<1.05	RL1	1.90	1.05	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
N-Nitrosodi-n-propylamine	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Pentachlorophenol	<0.955	RL1	4.76	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 SB-5 (0-2)**

**Lab Sample ID: NUK1792-02**

**Date Collected: 11/10/11 10:15**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 86.6**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Phenol	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
Pyrene	<0.194	RL1	0.383	0.194	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
1,2,4-Trichlorobenzene	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2,4,6-Trichlorophenol	<0.955	RL1	1.90	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00
2,4,5-Trichlorophenol	<0.955	RL1	4.76	0.955	mg/kg dry	☼	11/15/11 07:32	11/20/11 17:06	5.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	56		18 - 120	11/15/11 07:32	11/20/11 17:06	5.00
2,4,6-Tribromophenol	52		19 - 120	11/15/11 07:32	11/20/11 17:06	5.00
Phenol-d5	54		18 - 120	11/15/11 07:32	11/20/11 17:06	5.00
2-Fluorobiphenyl	67		14 - 120	11/15/11 07:32	11/20/11 17:06	5.00
2-Fluorophenol	48		17 - 120	11/15/11 07:32	11/20/11 17:06	5.00
Nitrobenzene-d5	60		17 - 120	11/15/11 07:32	11/20/11 17:06	5.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
delta-BHC	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
alpha-BHC	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
beta-BHC	<0.00193		0.00759	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
gamma-BHC (Lindane)	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
alpha-Chlordane	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
gamma-Chlordane	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
Chlordane	<0.0766		0.153	0.0766	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
<b>4,4'-DDD</b>	<b>0.0445</b>		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
<b>4,4'-DDE</b>	<b>0.0146</b>		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
Dieldrin	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
Endosulfan I	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
Endosulfan II	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
Endosulfan sulfate	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
Endrin	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
Endrin aldehyde	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
Endrin ketone	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
Heptachlor	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
Heptachlor epoxide	<0.00193		0.00391	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
Methoxychlor	<0.00193		0.00759	0.00193	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00
Toxaphene	<0.0971		0.153	0.0971	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:14	2.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	68		21 - 145	11/15/11 08:57	11/17/11 19:14	2.00
Decachlorobiphenyl	84		25 - 150	11/15/11 08:57	11/17/11 19:14	2.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>4,4'-DDT</b>	<b>0.284</b>		0.0391	0.0193	mg/kg dry	☼	11/15/11 08:57	11/18/11 11:17	20.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	80		21 - 145	11/15/11 08:57	11/18/11 11:17	20.0
Decachlorobiphenyl	120		25 - 150	11/15/11 08:57	11/18/11 11:17	20.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 SB-5 (0-2)**

**Lab Sample ID: NUK1792-02**

Date Collected: 11/10/11 10:15

Matrix: Soil

Date Received: 11/12/11 08:30

Percent Solids: 86.6

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0239		0.0379	0.0239	mg/kg dry	☼	11/15/11 06:46	11/18/11 16:15	1.00
PCB-1221	<0.0125		0.0379	0.0125	mg/kg dry	☼	11/15/11 06:46	11/18/11 16:15	1.00
PCB-1232	<0.0182		0.0379	0.0182	mg/kg dry	☼	11/15/11 06:46	11/18/11 16:15	1.00
PCB-1242	<0.0296		0.0379	0.0296	mg/kg dry	☼	11/15/11 06:46	11/18/11 16:15	1.00
PCB-1248	<0.0341		0.0379	0.0341	mg/kg dry	☼	11/15/11 06:46	11/18/11 16:15	1.00
PCB-1254	<0.0125		0.0379	0.0125	mg/kg dry	☼	11/15/11 06:46	11/18/11 16:15	1.00
PCB-1260	<0.0319		0.0379	0.0319	mg/kg dry	☼	11/15/11 06:46	11/18/11 16:15	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	84		19 - 147				11/15/11 06:46	11/18/11 16:15	1.00
Decachlorobiphenyl	96		20 - 150				11/15/11 06:46	11/18/11 16:15	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>4540</b>	<b>MHA</b>	23.3	11.7	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
Antimony	<5.83		11.7	5.83	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Arsenic</b>	<b>17.0</b>	<b>M8</b>	1.17	0.583	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Barium</b>	<b>25.4</b>		2.33	1.17	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
Beryllium	<0.583		1.17	0.583	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
Cadmium	<0.583		1.17	0.583	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Calcium</b>	<b>56400</b>	<b>MHA</b>	117	58.3	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Chromium</b>	<b>14.4</b>		1.17	0.583	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
Cobalt	<1.75		3.50	1.75	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Copper</b>	<b>7.93</b>		2.33	1.17	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Iron</b>	<b>15400</b>	<b>B MHA</b>	11.7	5.83	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Lead</b>	<b>19.7</b>		1.17	0.583	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Magnesium</b>	<b>1920</b>		117	58.3	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Manganese</b>	<b>67.7</b>		3.50	1.75	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Nickel</b>	<b>9.56</b>		2.33	1.17	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Potassium</b>	<b>309</b>		117	58.3	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
Selenium	<1.17		2.33	1.17	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
Silver	<0.583		1.17	0.583	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Sodium</b>	<b>353</b>		233	117	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
Thallium	<1.17	M8	2.33	1.17	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Vanadium</b>	<b>23.9</b>		11.7	5.83	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00
<b>Zinc</b>	<b>44.0</b>		11.7	5.83	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:37	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.088</b>	<b>J</b>	0.12	0.058	mg/kg dry	☼	11/14/11 13:15	11/14/11 17:05	1.0

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>% Dry Solids</b>	<b>86.6</b>		0.500	0.500	%		11/22/11 13:00	11/23/11 09:32	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 SB-5 (4-8)**

**Lab Sample ID: NUK1792-03**

**Date Collected: 11/10/11 10:30**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 81.5**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0225		0.0450	0.0225	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Benzene	<0.000989		0.00180	0.000989	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Bromochloromethane	<0.00108		0.00180	0.00108	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Bromodichloromethane	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Bromoform	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Bromomethane	<0.00108		0.00180	0.00108	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
2-Butanone	<0.0225		0.0450	0.0225	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Carbon disulfide	<0.00324		0.00450	0.00324	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Carbon Tetrachloride	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
<b>Chlorobenzene</b>	<b>0.0632</b>		0.00180	0.000989	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Chlorodibromomethane	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Chloroethane	<0.00225		0.00450	0.00225	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Chloroform	<0.00117		0.00180	0.00117	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Chloromethane	<0.000989		0.00180	0.000989	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Cyclohexane	<0.00450		0.00900	0.00450	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
1,2-Dibromo-3-chloropropane	<0.00225		0.00450	0.00225	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
1,2-Dibromoethane (EDB)	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Methylcyclohexane	<0.00450		0.00900	0.00450	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
<b>1,2-Dichlorobenzene</b>	<b>0.00151 J</b>		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
<b>1,3-Dichlorobenzene</b>	<b>0.00216</b>		0.00180	0.00108	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
<b>1,4-Dichlorobenzene</b>	<b>0.0142</b>		0.00180	0.000989	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Dichlorodifluoromethane	<0.00126		0.00180	0.00126	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
1,2-Dichloroethane	<0.000989		0.00180	0.000989	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
1,1-Dichloroethane	<0.00117		0.00180	0.00117	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
1,1-Dichloroethene	<0.00108		0.00180	0.00108	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
trans-1,2-Dichloroethene	<0.00117		0.00180	0.00117	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
1,1,2-Trifluorotrchloroethane	<0.000989		0.00180	0.000989	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
cis-1,2-Dichloroethene	<0.000989		0.00180	0.000989	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
1,2-Dichloropropane	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
trans-1,3-Dichloropropene	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
cis-1,3-Dichloropropene	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Ethylbenzene	<0.000989		0.00180	0.000989	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
2-Hexanone	<0.0225		0.0450	0.0225	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Isopropylbenzene	<0.000989		0.00180	0.000989	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Methyl Acetate	<0.00450		0.00900	0.00450	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Methyl tert-Butyl Ether	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Methylene Chloride	<0.00450		0.00900	0.00450	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
4-Methyl-2-pentanone	<0.0225		0.0450	0.0225	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Styrene	<0.000989		0.00180	0.000989	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
1,1,2,2-Tetrachloroethane	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Tetrachloroethene	<0.00117		0.00180	0.00117	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Toluene	<0.000989		0.00180	0.000989	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
1,2,4-Trichlorobenzene	<0.00108		0.00180	0.00108	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
1,2,3-Trichlorobenzene	<0.000989		0.00180	0.000989	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
1,1,1-Trichloroethane	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
1,1,2-Trichloroethane	<0.00225		0.00450	0.00225	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Trichloroethene	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Trichlorofluoromethane	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Vinyl chloride	<0.000900		0.00180	0.000900	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00
Xylenes, total	<0.00225		0.00450	0.00225	mg/kg dry	☼	11/10/11 10:30	11/15/11 21:40	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 SB-5 (4-8)**

**Lab Sample ID: NUK1792-03**

**Date Collected: 11/10/11 10:30**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 81.5**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	85		70 - 130	11/10/11 10:30	11/15/11 21:40	1.00
Dibromofluoromethane	85		70 - 130	11/10/11 10:30	11/15/11 21:40	1.00
Toluene-d8	107		70 - 130	11/10/11 10:30	11/15/11 21:40	1.00
4-Bromofluorobenzene	113		70 - 130	11/10/11 10:30	11/15/11 21:40	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Acenaphthylene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Anthracene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Benzo (a) anthracene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Benzo (a) pyrene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Benzo (b) fluoranthene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Benzo (g,h,i) perylene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Benzo (k) fluoranthene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
4-Bromophenyl phenyl ether	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Butyl benzyl phthalate	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Carbazole	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
4-Chloro-3-methylphenol	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
4-Chloroaniline	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Bis(2-chloroethoxy)methane	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Bis(2-chloroethyl)ether	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Bis(2-chloroisopropyl)ether	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2-Chloronaphthalene	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2-Chlorophenol	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
4-Chlorophenyl phenyl ether	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Chrysene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Dibenz (a,h) anthracene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Dibenzofuran	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Di-n-butyl phthalate	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
1,4-Dichlorobenzene	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
1,2-Dichlorobenzene	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
1,3-Dichlorobenzene	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
3,3-Dichlorobenzidine	<0.204		0.813	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2,4-Dichlorophenol	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Diethyl phthalate	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2,4-Dimethylphenol	<0.234		0.406	0.234	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Dimethyl phthalate	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
4,6-Dinitro-2-methylphenol	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2,4-Dinitrophenol	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2,6-Dinitrotoluene	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2,4-Dinitrotoluene	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Di-n-octyl phthalate	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Bis(2-ethylhexyl)phthalate	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Fluoranthene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Fluorene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Hexachlorobenzene	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Hexachlorobutadiene	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Hexachlorocyclopentadiene	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Hexachloroethane	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Indeno (1,2,3-cd) pyrene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 SB-5 (4-8)**

**Lab Sample ID: NUK1792-03**

**Date Collected: 11/10/11 10:30**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 81.5**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2-Methylnaphthalene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2-Methylphenol	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
3/4-Methylphenol	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Naphthalene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
3-Nitroaniline	<0.204		1.02	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2-Nitroaniline	<0.204		1.02	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
4-Nitroaniline	<0.204		1.02	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Nitrobenzene	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
4-Nitrophenol	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2-Nitrophenol	<0.239		0.406	0.239	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
N-Nitrosodiphenylamine	<0.223		0.406	0.223	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
N-Nitrosodi-n-propylamine	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Pentachlorophenol	<0.204		1.02	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Phenanthrene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Phenol	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
Pyrene	<0.0414		0.0817	0.0414	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
1,2,4-Trichlorobenzene	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2,4,6-Trichlorophenol	<0.204		0.406	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00
2,4,5-Trichlorophenol	<0.204		1.02	0.204	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:23	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	56		18 - 120	11/15/11 07:32	11/15/11 22:23	1.00
2,4,6-Tribromophenol	57		19 - 120	11/15/11 07:32	11/15/11 22:23	1.00
Phenol-d5	49		18 - 120	11/15/11 07:32	11/15/11 22:23	1.00
2-Fluorobiphenyl	52		14 - 120	11/15/11 07:32	11/15/11 22:23	1.00
2-Fluorophenol	48		17 - 120	11/15/11 07:32	11/15/11 22:23	1.00
Nitrobenzene-d5	54		17 - 120	11/15/11 07:32	11/15/11 22:23	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
delta-BHC	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
alpha-BHC	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
beta-BHC	<0.00101		0.00398	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
gamma-BHC (Lindane)	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
alpha-Chlordane	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
gamma-Chlordane	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
Chlordane	<0.0402		0.0805	0.0402	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
<b>4,4'-DDD</b>	<b>0.00185</b>	<b>J</b>	0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
4,4'-DDE	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
Dieldrin	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
Endosulfan I	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
Endosulfan II	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
Endosulfan sulfate	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
Endrin	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
Endrin aldehyde [2C]	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
Endrin ketone	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
Heptachlor	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
Heptachlor epoxide	<0.00101		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00
Methoxychlor [2C]	<0.00101		0.00398	0.00101	mg/kg dry	☼	11/15/11 08:57	11/16/11 19:42	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 SB-5 (4-8)**

**Lab Sample ID: NUK1792-03**

Date Collected: 11/10/11 10:30

Matrix: Soil

Date Received: 11/12/11 08:30

Percent Solids: 81.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	102		21 - 145	11/15/11 08:57	11/16/11 19:42	1.00
Decachlorobiphenyl	86		25 - 150	11/15/11 08:57	11/16/11 19:42	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.00322		0.00205	0.00101	mg/kg dry	☼	11/15/11 08:57	11/17/11 18:32	1.00
Toxaphene	<0.0509		0.0805	0.0509	mg/kg dry	☼	11/15/11 08:57	11/17/11 18:32	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	102		21 - 145	11/15/11 08:57	11/17/11 18:32	1.00
Decachlorobiphenyl	96		25 - 150	11/15/11 08:57	11/17/11 18:32	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0252		0.0400	0.0252	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:24	1.00
PCB-1221	<0.0132		0.0400	0.0132	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:24	1.00
PCB-1232	<0.0192		0.0400	0.0192	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:24	1.00
PCB-1242	<0.0312		0.0400	0.0312	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:24	1.00
PCB-1248	<0.0361		0.0400	0.0361	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:24	1.00
PCB-1254	<0.0132		0.0400	0.0132	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:24	1.00
PCB-1260	<0.0336		0.0400	0.0336	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:24	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	96		19 - 147	11/15/11 06:46	11/17/11 16:24	1.00
Decachlorobiphenyl	122		20 - 150	11/15/11 06:46	11/17/11 16:24	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2280		23.8	11.9	mg/kg dry	☼	11/15/11 09:49	11/16/11 16:23	1.00
Antimony	<5.96		11.9	5.96	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Arsenic	1.31		1.19	0.596	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Barium	20.0		2.38	1.19	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Beryllium	<0.596		1.19	0.596	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Cadmium	<0.596		1.19	0.596	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Calcium	1060		119	59.6	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Chromium	2.07		1.19	0.596	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Cobalt	<1.79		3.57	1.79	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Copper	<1.19		2.38	1.19	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Iron	2190 B		11.9	5.96	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Lead	4.60		1.19	0.596	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Magnesium	187		119	59.6	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Manganese	11.1		3.57	1.79	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Nickel	<1.19		2.38	1.19	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Potassium	97.5 J		119	59.6	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Selenium	<1.19		2.38	1.19	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Silver	<0.596		1.19	0.596	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Sodium	<119		238	119	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Thallium	<1.19		2.38	1.19	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Vanadium	<5.96		11.9	5.96	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00
Zinc	<5.96		11.9	5.96	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:56	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Client Sample ID: Tract 35 SB-5 (4-8)

## Lab Sample ID: NUK1792-03

Date Collected: 11/10/11 10:30

Matrix: Soil

Date Received: 11/12/11 08:30

Percent Solids: 81.5

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.059		0.12	0.059	mg/kg dry	✱	11/14/11 13:15	11/14/11 17:08	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	81.5		0.500	0.500	%		11/22/11 13:00	11/23/11 09:32	1.00

## Client Sample ID: Tract 35 TW-5 (0-10)

## Lab Sample ID: NUK1792-04

Date Collected: 11/10/11 11:30

Matrix: Ground Water

Date Received: 11/12/11 08:30

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0	pH	50.0	25.0	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
<b>Benzene</b>	<b>1.85</b>	<b>pH</b>	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Bromochloromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Bromodichloromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Bromoform	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Bromomethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
2-Butanone	<25.0	pH	50.0	25.0	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Carbon disulfide	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Carbon Tetrachloride	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
<b>Chlorobenzene</b>	<b>13.7</b>	<b>pH</b>	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Chlorodibromomethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Chloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Chloroform	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Chloromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Cyclohexane	<2.50	pH	5.00	2.50	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,2-Dibromo-3-chloropropane	<5.00	pH	10.0	5.00	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,2-Dibromoethane (EDB)	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Methylcyclohexane	<2.50	pH	5.00	2.50	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,2-Dichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,3-Dichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,4-Dichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Dichlorodifluoromethane	<0.600	pH	1.00	0.600	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,2-Dichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,1-Dichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,1-Dichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
trans-1,2-Dichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,1,2-Trifluoroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
<b>cis-1,2-Dichloroethene</b>	<b>3.59</b>	<b>pH</b>	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,2-Dichloropropane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
trans-1,3-Dichloropropene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
cis-1,3-Dichloropropene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Ethylbenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
2-Hexanone	<5.00	pH	10.0	5.00	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Isopropylbenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Methyl Acetate	<5.00	pH	10.0	5.00	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Methyl tert-Butyl Ether	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Methylene Chloride	<2.50	pH	5.00	2.50	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
4-Methyl-2-pentanone	<5.00	pH	10.0	5.00	ug/L		11/12/11 14:28	11/13/11 08:41	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 TW-5 (0-10)**

**Lab Sample ID: NUK1792-04**

**Date Collected: 11/10/11 11:30**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,1,2,2-Tetrachloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Tetrachloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Toluene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,2,4-Trichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,2,3-Trichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,1,1-Trichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
1,1,2-Trichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Trichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Trichlorofluoromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
<b>Vinyl chloride</b>	<b>1.42</b>	<b>pH</b>	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 08:41	1.00
Xylenes, total	<1.50	pH	3.00	1.50	ug/L		11/12/11 14:28	11/13/11 08:41	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130	11/12/11 14:28	11/13/11 08:41	1.00
Dibromofluoromethane	96		70 - 130	11/12/11 14:28	11/13/11 08:41	1.00
Toluene-d8	104		70 - 130	11/12/11 14:28	11/13/11 08:41	1.00
4-Bromofluorobenzene	94		70 - 130	11/12/11 14:28	11/13/11 08:41	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Carbazole	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Chrysene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 TW-5 (0-10)**

**Lab Sample ID: NUK1792-04**

**Date Collected: 11/10/11 11:30**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Fluorene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Isophorone	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Phenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/15/11 04:50	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	83		13 - 120				11/14/11 12:40	11/15/11 04:50	1.00
2,4,6-Tribromophenol	79		10 - 120				11/14/11 12:40	11/15/11 04:50	1.00
Phenol-d5	30		10 - 120				11/14/11 12:40	11/15/11 04:50	1.00
2-Fluorobiphenyl	65		29 - 120				11/14/11 12:40	11/15/11 04:50	1.00
2-Fluorophenol	45		10 - 120				11/14/11 12:40	11/15/11 04:50	1.00
Nitrobenzene-d5	76		27 - 120				11/14/11 12:40	11/15/11 04:50	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
delta-BHC	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
alpha-BHC	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
beta-BHC	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
gamma-BHC (Lindane)	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
alpha-Chlordane	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 TW-5 (0-10)**

**Lab Sample ID: NUK1792-04**

**Date Collected: 11/10/11 11:30**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Chlordane	<0.971		1.94	0.971	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
4,4'-DDD	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
4,4'-DDE	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
4,4'-DDT	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Dieldrin	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Endosulfan I	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Endosulfan II	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Endosulfan sulfate	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Endrin	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Endrin aldehyde	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Endrin ketone	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Heptachlor	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Heptachlor epoxide	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Methoxychlor	<0.0126		0.0243	0.0126	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Toxaphene	<0.971		1.94	0.971	ug/L		11/15/11 06:15	11/15/11 14:02	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-meta-xylene</i>	84		38 - 150				11/15/11 06:15	11/15/11 14:02	1.00
<i>Decachlorobiphenyl</i>	78		10 - 141				11/15/11 06:15	11/15/11 14:02	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:44	1.00
PCB-1221	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:44	1.00
PCB-1232	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:44	1.00
PCB-1242	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:44	1.00
PCB-1248	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:44	1.00
PCB-1254	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:44	1.00
PCB-1260	<0.240		0.481	0.240	ug/L		11/14/11 14:30	11/16/11 02:44	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-meta-xylene</i>	101		17 - 142				11/14/11 14:30	11/16/11 02:44	1.00
<i>Decachlorobiphenyl</i>	38		10 - 149				11/14/11 14:30	11/16/11 02:44	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Arsenic	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
<b>Barium</b>	<b>0.0747</b>	<b>P7</b>	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Cadmium	<0.000600	P7	0.00100	0.000600	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
<b>Calcium</b>	<b>79.4</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Cobalt	<0.0100	P7	0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Iron	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Lead	<0.00250	P7	0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
<b>Magnesium</b>	<b>37.0</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
<b>Manganese</b>	<b>0.711</b>	<b>P7</b>	0.0150	0.00750	mg/L		11/16/11 06:10	11/16/11 20:10	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 TW-5 (0-10)**

**Lab Sample ID: NUK1792-04**

Date Collected: 11/10/11 11:30

Matrix: Ground Water

Date Received: 11/12/11 08:30

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
<b>Potassium</b>	<b>20.8</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Silver	<0.00250	P7	0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
<b>Sodium</b>	<b>323</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 20:10	1.00
Zinc	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 20:10	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>34.2</b>		0.100	0.0500	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Arsenic</b>	<b>0.0535</b>		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Barium</b>	<b>0.198</b>		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Cadmium</b>	<b>0.000800</b>	<b>J</b>	0.00100	0.000600	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Calcium</b>	<b>87.8</b>		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Chromium</b>	<b>0.0699</b>		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Copper</b>	<b>0.0128</b>		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Iron</b>	<b>62.9</b>		0.0500	0.0250	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Lead</b>	<b>0.0523</b>		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Magnesium</b>	<b>38.8</b>		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Manganese</b>	<b>0.935</b>		0.0150	0.00750	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Nickel</b>	<b>0.0144</b>		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Potassium</b>	<b>19.3</b>		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Sodium</b>	<b>269</b>		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Vanadium</b>	<b>0.0901</b>		0.0200	0.0100	mg/L		11/15/11 07:00	11/15/11 15:30	1.00
<b>Zinc</b>	<b>0.0656</b>		0.0500	0.0250	mg/L		11/15/11 07:00	11/15/11 15:30	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		11/15/11 09:40	11/15/11 16:08	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.000209</b>		0.000200	0.000100	mg/L		11/14/11 10:30	11/14/11 15:48	1.00

**Client Sample ID: Tract 28 SB-1 (0-2)**

**Lab Sample ID: NUK1792-05**

Date Collected: 11/10/11 14:10

Matrix: Soil

Date Received: 11/12/11 08:30

Percent Solids: 81.1

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.0328</b>	<b>J</b>	0.0551	0.0275	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
<b>Benzene</b>	<b>0.00178</b>	<b>J</b>	0.00220	0.00121	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 28 SB-1 (0-2)**

**Lab Sample ID: NUK1792-05**

**Date Collected: 11/10/11 14:10**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 81.1**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	<0.00132		0.00220	0.00132	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Bromodichloromethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Bromoform	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Bromomethane	<0.00132		0.00220	0.00132	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
2-Butanone	<0.0275		0.0551	0.0275	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Carbon disulfide	<0.00396		0.00551	0.00396	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Carbon Tetrachloride	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Chlorobenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Chlorodibromomethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Chloroethane	<0.00275		0.00551	0.00275	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Chloroform	<0.00143		0.00220	0.00143	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Chloromethane	<0.00121		0.00220	0.00121	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Cyclohexane	<0.00551		0.0110	0.00551	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,2-Dibromo-3-chloropropane	<0.00275		0.00551	0.00275	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,2-Dibromoethane (EDB)	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Methylcyclohexane	<0.00551		0.0110	0.00551	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,2-Dichlorobenzene	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,3-Dichlorobenzene	<0.00132		0.00220	0.00132	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,4-Dichlorobenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Dichlorodifluoromethane	<0.00154		0.00220	0.00154	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,2-Dichloroethane	<0.00121		0.00220	0.00121	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,1-Dichloroethane	<0.00143		0.00220	0.00143	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,1-Dichloroethene	<0.00132		0.00220	0.00132	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
trans-1,2-Dichloroethene	<0.00143		0.00220	0.00143	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,1,2-Trifluoroethane	<0.00121		0.00220	0.00121	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
cis-1,2-Dichloroethene	<0.00121		0.00220	0.00121	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,2-Dichloropropane	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
trans-1,3-Dichloropropene	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
cis-1,3-Dichloropropene	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Ethylbenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
2-Hexanone	<0.0275		0.0551	0.0275	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Isopropylbenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Methyl Acetate	<0.00551		0.0110	0.00551	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Methyl tert-Butyl Ether	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Methylene Chloride	<0.00551		0.0110	0.00551	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
4-Methyl-2-pentanone	<0.0275		0.0551	0.0275	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Styrene	<0.00121		0.00220	0.00121	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,1,2,2-Tetrachloroethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Tetrachloroethene	<0.00143		0.00220	0.00143	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
<b>Toluene</b>	<b>0.00172 J</b>		0.00220	0.00121	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,2,4-Trichlorobenzene	<0.00132		0.00220	0.00132	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,2,3-Trichlorobenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,1,1-Trichloroethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
1,1,2-Trichloroethane	<0.00275		0.00551	0.00275	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Trichloroethene	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Trichlorofluoromethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Vinyl chloride	<0.00110		0.00220	0.00110	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00
Xylenes, total	<0.00275		0.00551	0.00275	mg/kg dry	☼	11/10/11 14:10	11/15/11 22:12	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 28 SB-1 (0-2)**

**Lab Sample ID: NUK1792-05**

**Date Collected: 11/10/11 14:10**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 81.1**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	98		70 - 130	11/10/11 14:10	11/15/11 22:12	1.00
Dibromofluoromethane	97		70 - 130	11/10/11 14:10	11/15/11 22:12	1.00
Toluene-d8	108		70 - 130	11/10/11 14:10	11/15/11 22:12	1.00
4-Bromofluorobenzene	117		70 - 130	11/10/11 14:10	11/15/11 22:12	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Acenaphthylene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Anthracene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Benzo (a) anthracene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Benzo (a) pyrene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Benzo (b) fluoranthene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Benzo (g,h,i) perylene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Benzo (k) fluoranthene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
4-Bromophenyl phenyl ether	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Butyl benzyl phthalate	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Carbazole	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
4-Chloro-3-methylphenol	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
4-Chloroaniline	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Bis(2-chloroethoxy)methane	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Bis(2-chloroethyl)ether	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Bis(2-chloroisopropyl)ether	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2-Chloronaphthalene	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2-Chlorophenol	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
4-Chlorophenyl phenyl ether	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Chrysene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Dibenz (a,h) anthracene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Dibenzofuran	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Di-n-butyl phthalate	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
1,4-Dichlorobenzene	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
1,2-Dichlorobenzene	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
1,3-Dichlorobenzene	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
3,3-Dichlorobenzidine	<0.206		0.821	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2,4-Dichlorophenol	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Diethyl phthalate	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2,4-Dimethylphenol	<0.236		0.410	0.236	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Dimethyl phthalate	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
4,6-Dinitro-2-methylphenol	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2,4-Dinitrophenol	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2,6-Dinitrotoluene	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2,4-Dinitrotoluene	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Di-n-octyl phthalate	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Bis(2-ethylhexyl)phthalate	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Fluoranthene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Fluorene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Hexachlorobenzene	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Hexachlorobutadiene	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Hexachlorocyclopentadiene	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Hexachloroethane	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Indeno (1,2,3-cd) pyrene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 28 SB-1 (0-2)**

**Lab Sample ID: NUK1792-05**

**Date Collected: 11/10/11 14:10**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 81.1**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2-Methylnaphthalene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2-Methylphenol	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
3/4-Methylphenol	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Naphthalene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
3-Nitroaniline	<0.206		1.03	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2-Nitroaniline	<0.206		1.03	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
4-Nitroaniline	<0.206		1.03	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Nitrobenzene	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
4-Nitrophenol	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2-Nitrophenol	<0.241		0.410	0.241	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
N-Nitrosodiphenylamine	<0.225		0.410	0.225	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
N-Nitrosodi-n-propylamine	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Pentachlorophenol	<0.206		1.03	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Phenanthrene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Phenol	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
Pyrene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
1,2,4-Trichlorobenzene	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2,4,6-Trichlorophenol	<0.206		0.410	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00
2,4,5-Trichlorophenol	<0.206		1.03	0.206	mg/kg dry	☼	11/15/11 07:32	11/15/11 22:42	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	63		18 - 120	11/15/11 07:32	11/15/11 22:42	1.00
2,4,6-Tribromophenol	54		19 - 120	11/15/11 07:32	11/15/11 22:42	1.00
Phenol-d5	47		18 - 120	11/15/11 07:32	11/15/11 22:42	1.00
2-Fluorobiphenyl	51		14 - 120	11/15/11 07:32	11/15/11 22:42	1.00
2-Fluorophenol	47		17 - 120	11/15/11 07:32	11/15/11 22:42	1.00
Nitrobenzene-d5	51		17 - 120	11/15/11 07:32	11/15/11 22:42	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
delta-BHC	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
alpha-BHC	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
beta-BHC	<0.00206		0.00810	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
gamma-BHC (Lindane)	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
alpha-Chlordane	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
gamma-Chlordane	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
Chlordane	<0.0817		0.164	0.0817	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
4,4'-DDD	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
4,4'-DDE	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
<b>4,4'-DDT</b>	<b>0.00409</b>	<b>J</b>	0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
Dieldrin	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
Endosulfan I	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
Endosulfan II	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
Endosulfan sulfate	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
Endrin	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
Endrin aldehyde	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
Endrin ketone	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
Heptachlor	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
Heptachlor epoxide	<0.00206		0.00417	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 28 SB-1 (0-2)**

**Lab Sample ID: NUK1792-05**

**Date Collected: 11/10/11 14:10**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 81.1**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.00206		0.00810	0.00206	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
Toxaphene	<0.104		0.164	0.104	mg/kg dry	☼	11/15/11 08:57	11/17/11 19:29	2.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	100		21 - 145				11/15/11 08:57	11/17/11 19:29	2.00
Decachlorobiphenyl	92		25 - 150				11/15/11 08:57	11/17/11 19:29	2.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0253		0.0402	0.0253	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:46	1.00
PCB-1221	<0.0133		0.0402	0.0133	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:46	1.00
PCB-1232	<0.0193		0.0402	0.0193	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:46	1.00
PCB-1242	<0.0314		0.0402	0.0314	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:46	1.00
PCB-1248	<0.0362		0.0402	0.0362	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:46	1.00
PCB-1254	<0.0133		0.0402	0.0133	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:46	1.00
PCB-1260	<0.0338		0.0402	0.0338	mg/kg dry	☼	11/15/11 06:46	11/17/11 16:46	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	92		19 - 147				11/15/11 06:46	11/17/11 16:46	1.00
Decachlorobiphenyl	90		20 - 150				11/15/11 06:46	11/17/11 16:46	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>3080</b>		23.9	12.0	mg/kg dry	☼	11/15/11 09:49	11/16/11 16:27	1.00
Antimony	<5.98		12.0	5.98	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Arsenic</b>	<b>3.16</b>		1.20	0.598	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Barium</b>	<b>25.8</b>		2.39	1.20	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
Beryllium	<0.598		1.20	0.598	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
Cadmium	<0.598		1.20	0.598	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Calcium</b>	<b>2030</b>		120	59.8	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Chromium</b>	<b>15.5</b>		1.20	0.598	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
Cobalt	<1.79		3.59	1.79	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Copper</b>	<b>39.3</b>		2.39	1.20	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Iron</b>	<b>4730 B</b>		12.0	5.98	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Lead</b>	<b>62.7</b>		1.20	0.598	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Magnesium</b>	<b>287</b>		120	59.8	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Manganese</b>	<b>33.6</b>		3.59	1.79	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Nickel</b>	<b>2.53</b>		2.39	1.20	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Potassium</b>	<b>106 J</b>		120	59.8	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
Selenium	<1.20		2.39	1.20	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
Silver	<0.598		1.20	0.598	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
Sodium	<120		239	120	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
Thallium	<1.20		2.39	1.20	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Vanadium</b>	<b>8.39 J</b>		12.0	5.98	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00
<b>Zinc</b>	<b>35.3</b>		12.0	5.98	mg/kg dry	☼	11/15/11 09:49	11/16/11 02:59	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.092 J</b>		0.12	0.061	mg/kg dry	☼	11/14/11 13:15	11/14/11 17:10	1.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Client Sample ID: Tract 28 SB-1 (0-2)

Lab Sample ID: NUK1792-05

Date Collected: 11/10/11 14:10

Matrix: Soil

Date Received: 11/12/11 08:30

Percent Solids: 81.1

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	81.1		0.500	0.500	%		11/22/11 13:00	11/23/11 09:32	1.00

## Client Sample ID: Tract 28 TW-1 (40-44)

Lab Sample ID: NUK1792-06

Date Collected: 11/10/11 17:30

Matrix: Ground Water

Date Received: 11/12/11 08:30

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0	pH	50.0	25.0	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Benzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Bromochloromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Bromodichloromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Bromoform	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Bromomethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
2-Butanone	<25.0	pH	50.0	25.0	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Carbon disulfide	<0.500	M8 pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Carbon Tetrachloride	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Chlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Chlorodibromomethane	<0.500	M8 pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Chloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Chloroform	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Chloromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Cyclohexane	<2.50	pH	5.00	2.50	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,2-Dibromo-3-chloropropane	<5.00	pH	10.0	5.00	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,2-Dibromoethane (EDB)	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Methylcyclohexane	<2.50	pH	5.00	2.50	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,2-Dichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,3-Dichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,4-Dichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Dichlorodifluoromethane	<0.600	pH	1.00	0.600	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,2-Dichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,1-Dichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,1-Dichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
trans-1,2-Dichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,1,2-Trifluorotrchloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
cis-1,2-Dichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,2-Dichloropropane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
trans-1,3-Dichloropropene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
cis-1,3-Dichloropropene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Ethylbenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
2-Hexanone	<5.00	pH	10.0	5.00	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Isopropylbenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Methyl Acetate	<5.00	pH	10.0	5.00	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Methyl tert-Butyl Ether	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Methylene Chloride	<2.50	pH	5.00	2.50	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
4-Methyl-2-pentanone	<5.00	pH	10.0	5.00	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Styrene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,1,1,2-Tetrachloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Tetrachloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 28 TW-1 (40-44)**

**Lab Sample ID: NUK1792-06**

**Date Collected: 11/10/11 17:30**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,2,4-Trichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,2,3-Trichlorobenzene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,1,1-Trichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
1,1,2-Trichloroethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Trichloroethene	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Trichlorofluoromethane	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Vinyl chloride	<0.500	pH	1.00	0.500	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Xylenes, total	<1.50	pH	3.00	1.50	ug/L		11/12/11 14:28	11/13/11 09:08	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	99		70 - 130				11/12/11 14:28	11/13/11 09:08	1.00
Dibromofluoromethane	96		70 - 130				11/12/11 14:28	11/13/11 09:08	1.00
Toluene-d8	104		70 - 130				11/12/11 14:28	11/13/11 09:08	1.00
4-Bromofluorobenzene	97		70 - 130				11/12/11 14:28	11/13/11 09:08	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Acenaphthylene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Anthracene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Benzo (a) anthracene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Benzo (a) pyrene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Benzo (b) fluoranthene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Benzo (g,h,i) perylene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Benzo (k) fluoranthene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
4-Bromophenyl phenyl ether	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Butyl benzyl phthalate	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Carbazole	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
4-Chloro-3-methylphenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
4-Chloroaniline	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Bis(2-chloroethoxy)methane	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Bis(2-chloroethyl)ether	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Bis(2-chloroisopropyl)ether	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
2-Chloronaphthalene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
2-Chlorophenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
4-Chlorophenyl phenyl ether	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Chrysene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Dibenz (a,h) anthracene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Dibenzofuran	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Di-n-butyl phthalate	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
1,4-Dichlorobenzene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
1,2-Dichlorobenzene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
1,3-Dichlorobenzene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
3,3-Dichlorobenzidine	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
2,4-Dichlorophenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Diethyl phthalate	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
2,4-Dimethylphenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Dimethyl phthalate	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
4,6-Dinitro-2-methylphenol	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
2,4-Dinitrophenol	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 05:12	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 28 TW-1 (40-44)**

**Lab Sample ID: NUK1792-06**

**Date Collected: 11/10/11 17:30**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
2,4-Dinitrotoluene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Di-n-octyl phthalate	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Bis(2-ethylhexyl)phthalate	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Fluoranthene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Fluorene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Hexachlorobenzene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Hexachlorobutadiene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Hexachlorocyclopentadiene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Hexachloroethane	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Indeno (1,2,3-cd) pyrene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Isophorone	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
2-Methylnaphthalene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
2-Methylphenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Naphthalene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
3/4-Methylphenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
3-Nitroaniline	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
2-Nitroaniline	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
4-Nitroaniline	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Nitrobenzene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
4-Nitrophenol	<4.90		24.5	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
2-Nitrophenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
N-Nitrosodiphenylamine	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
N-Nitrosodi-n-propylamine	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Pentachlorophenol	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Phenanthrene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Phenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
Pyrene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
1,2,4-Trichlorobenzene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
2,4,6-Trichlorophenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 05:12	1.00
2,4,5-Trichlorophenol	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 05:12	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	71		13 - 120	11/14/11 12:40	11/15/11 05:12	1.00
2,4,6-Tribromophenol	79		10 - 120	11/14/11 12:40	11/15/11 05:12	1.00
Phenol-d5	31		10 - 120	11/14/11 12:40	11/15/11 05:12	1.00
2-Fluorobiphenyl	68		29 - 120	11/14/11 12:40	11/15/11 05:12	1.00
2-Fluorophenol	47		10 - 120	11/14/11 12:40	11/15/11 05:12	1.00
Nitrobenzene-d5	81		27 - 120	11/14/11 12:40	11/15/11 05:12	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
delta-BHC	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
alpha-BHC	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
beta-BHC	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
gamma-BHC (Lindane)	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
alpha-Chlordane	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
gamma-Chlordane	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Chlordane	<0.980		1.96	0.980	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
4,4'-DDD	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 28 TW-1 (40-44)**

**Lab Sample ID: NUK1792-06**

**Date Collected: 11/10/11 17:30**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
4,4'-DDT	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Dieldrin	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Endosulfan I	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Endosulfan II	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Endosulfan sulfate	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Endrin	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Endrin aldehyde	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Endrin ketone	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Heptachlor	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Heptachlor epoxide	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Methoxychlor	<0.0127		0.0245	0.0127	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Toxaphene	<0.980		1.96	0.980	ug/L		11/15/11 06:15	11/15/11 14:16	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	85		38 - 150				11/15/11 06:15	11/15/11 14:16	1.00
Decachlorobiphenyl	18		10 - 141				11/15/11 06:15	11/15/11 14:16	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.248		0.495	0.248	ug/L		11/14/11 14:30	11/16/11 03:06	1.00
PCB-1221	<0.248		0.495	0.248	ug/L		11/14/11 14:30	11/16/11 03:06	1.00
PCB-1232	<0.248		0.495	0.248	ug/L		11/14/11 14:30	11/16/11 03:06	1.00
PCB-1242	<0.248		0.495	0.248	ug/L		11/14/11 14:30	11/16/11 03:06	1.00
PCB-1248	<0.248		0.495	0.248	ug/L		11/14/11 14:30	11/16/11 03:06	1.00
PCB-1254	<0.248		0.495	0.248	ug/L		11/14/11 14:30	11/16/11 03:06	1.00
PCB-1260	<0.248		0.495	0.248	ug/L		11/14/11 14:30	11/16/11 03:06	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	99		17 - 142				11/14/11 14:30	11/16/11 03:06	1.00
Decachlorobiphenyl	21		10 - 149				11/14/11 14:30	11/16/11 03:06	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Arsenic	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Barium	0.0443	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Cadmium	<0.000600	P7	0.00100	0.000600	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Calcium	61.8	P7	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Cobalt	<0.0100	P7	0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Iron	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Lead	<0.00250	P7	0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Magnesium	21.8	P7	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Manganese	0.261	P7	0.0150	0.00750	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Nickel	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Potassium	14.1	P7	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:13	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 28 TW-1 (40-44)**

**Lab Sample ID: NUK1792-06**

Date Collected: 11/10/11 17:30

Matrix: Ground Water

Date Received: 11/12/11 08:30

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00250	P7	0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
<b>Sodium</b>	<b>126</b>	<b>P7</b>	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 20:13	1.00
Zinc	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 20:13	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>122</b>		5.00	0.250	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
Antimony	<0.0250		0.0500	0.0250	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Arsenic</b>	<b>0.220</b>		0.0500	0.0250	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Barium</b>	<b>0.656</b>		0.0500	0.0250	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Beryllium</b>	<b>0.0140</b>	<b>J</b>	0.0200	0.0100	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Cadmium</b>	<b>0.0105</b>		0.00500	0.00300	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Calcium</b>	<b>508</b>		5.00	2.50	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Chromium</b>	<b>1.32</b>		0.0250	0.0125	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Cobalt</b>	<b>0.0990</b>	<b>J</b>	0.100	0.0500	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Copper</b>	<b>0.266</b>		0.0500	0.0250	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Iron</b>	<b>331</b>		0.250	0.125	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Lead</b>	<b>0.200</b>		0.0250	0.0125	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Magnesium</b>	<b>40.2</b>		5.00	2.50	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Manganese</b>	<b>2.84</b>		0.0750	0.0375	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Nickel</b>	<b>0.388</b>		0.0500	0.0250	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Potassium</b>	<b>22.6</b>		5.00	2.50	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Selenium</b>	<b>0.0905</b>		0.0500	0.0250	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
Silver	<0.0125		0.0250	0.0125	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Sodium</b>	<b>128</b>		5.00	2.50	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
Thallium	<0.0250		0.0500	0.0250	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Vanadium</b>	<b>0.394</b>		0.100	0.0500	mg/L		11/15/11 07:00	11/16/11 14:17	5.00
<b>Zinc</b>	<b>1.42</b>		0.250	0.125	mg/L		11/15/11 07:00	11/16/11 14:17	5.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		11/15/11 09:40	11/15/11 16:10	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.000919</b>		0.000200	0.000100	mg/L		11/14/11 10:30	11/14/11 15:50	1.00

**Client Sample ID: Trip Blank**

**Lab Sample ID: NUK1792-07**

Date Collected: 11/10/11 00:01

Matrix: Water

Date Received: 11/12/11 08:30

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Benzene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Bromoform	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Trip Blank**

**Lab Sample ID: NUK1792-07**

**Date Collected: 11/10/11 00:01**

**Matrix: Water**

**Date Received: 11/12/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Chloroform	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Styrene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Toluene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		11/12/11 14:28	11/13/11 03:38	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		11/12/11 14:28	11/13/11 03:38	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130	11/12/11 14:28	11/13/11 03:38	1.00
Dibromofluoromethane	98		70 - 130	11/12/11 14:28	11/13/11 03:38	1.00
Toluene-d8	103		70 - 130	11/12/11 14:28	11/13/11 03:38	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Trip Blank**

**Date Collected: 11/10/11 00:01**

**Date Received: 11/12/11 08:30**

**Lab Sample ID: NUK1792-07**

**Matrix: Water**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene	98		70 - 130	11/12/11 14:28	11/13/11 03:38	1.00





# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 11K3094-BLK1**

**Matrix: Water**

**Analysis Batch: U020213**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3094\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Benzene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Bromoform	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Chloroform	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Styrene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Toluene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		11/11/11 18:19	11/13/11 02:15	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3094-BLK1**

**Matrix: Water**

**Analysis Batch: U020213**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3094\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<1.50		3.00	1.50	ug/L		11/11/11 18:19	11/13/11 02:15	1.00
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130				11/11/11 18:19	11/13/11 02:15	1.00
Dibromofluoromethane	96		70 - 130				11/11/11 18:19	11/13/11 02:15	1.00
Toluene-d8	103		70 - 130				11/11/11 18:19	11/13/11 02:15	1.00
4-Bromofluorobenzene	95		70 - 130				11/11/11 18:19	11/13/11 02:15	1.00

**Lab Sample ID: 11K3094-BS1**

**Matrix: Water**

**Analysis Batch: U020213**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3094\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	137		ug/L		137	54 - 145
Benzene	20.0	21.0		ug/L		105	80 - 121
Bromochloromethane	20.0	21.7		ug/L		109	78 - 129
Bromodichloromethane	20.0	16.9		ug/L		85	75 - 129
Bromoform	20.0	13.4		ug/L		67	46 - 145
Bromomethane	20.0	14.3		ug/L		71	41 - 150
2-Butanone	100	126		ug/L		126	62 - 133
Carbon disulfide	20.0	16.2		ug/L		81	77 - 126
Carbon Tetrachloride	20.0	18.2		ug/L		91	64 - 147
Chlorobenzene	20.0	21.5		ug/L		108	80 - 120
Chlorodibromomethane	20.0	15.5		ug/L		77	69 - 133
Chloroethane	20.0	16.8		ug/L		84	72 - 120
Chloroform	20.0	21.4		ug/L		107	73 - 129
Chloromethane	20.0	12.0		ug/L		60	12 - 150
Cyclohexane	20.0	20.0		ug/L		100	73 - 122
1,2-Dibromo-3-chloropropane	20.0	15.6		ug/L		78	54 - 125
1,2-Dibromoethane (EDB)	20.0	21.4		ug/L		107	80 - 129
Methylcyclohexane	20.0	21.4		ug/L		107	71 - 129
1,2-Dichlorobenzene	20.0	21.7		ug/L		109	80 - 121
1,3-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 122
1,4-Dichlorobenzene	20.0	22.2		ug/L		111	80 - 120
Dichlorodifluoromethane	20.0	19.6		ug/L		98	37 - 127
1,2-Dichloroethane	20.0	20.5		ug/L		102	77 - 121
1,1-Dichloroethane	20.0	20.6		ug/L		103	78 - 125
1,1-Dichloroethene	20.0	19.9		ug/L		100	79 - 124
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	79 - 126
1,1,2-Trifluoro-trichloroethane	20.0	19.7		ug/L		99	77 - 129
cis-1,2-Dichloroethene	20.0	19.8		ug/L		99	76 - 125
1,2-Dichloropropane	20.0	19.2		ug/L		96	75 - 120
trans-1,3-Dichloropropene	20.0	17.3		ug/L		86	63 - 134
cis-1,3-Dichloropropene	20.0	19.2		ug/L		96	74 - 140
Ethylbenzene	20.0	21.4		ug/L		107	80 - 130
2-Hexanone	100	124		ug/L		124	60 - 142
Isopropylbenzene	20.0	23.2		ug/L		116	80 - 141
Methyl Acetate	20.0	17.5		ug/L		88	64 - 150
Methyl tert-Butyl Ether	20.0	21.7		ug/L		109	72 - 133

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3094-BS1**

**Matrix: Water**

**Analysis Batch: U020213**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3094\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	20.0	19.9		ug/L		99	79 - 123	
4-Methyl-2-pentanone	100	117		ug/L		117	60 - 137	
Styrene	20.0	21.2		ug/L		106	80 - 127	
1,1,1,2-Tetrachloroethane	20.0	20.6		ug/L		103	69 - 131	
Tetrachloroethene	20.0	20.1		ug/L		101	80 - 126	
Toluene	20.0	22.1		ug/L		111	80 - 126	
1,2,4-Trichlorobenzene	20.0	21.5		ug/L		107	63 - 133	
1,2,3-Trichlorobenzene	20.0	22.1		ug/L		111	62 - 133	
1,1,1-Trichloroethane	20.0	20.1		ug/L		100	78 - 135	
1,1,2-Trichloroethane	20.0	21.8		ug/L		109	80 - 124	
Trichloroethene	20.0	21.6		ug/L		108	80 - 123	
Trichlorofluoromethane	20.0	18.1		ug/L		90	65 - 124	
Vinyl chloride	20.0	17.3		ug/L		87	68 - 120	
Xylenes, total	60.0	64.4		ug/L		107	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	102		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	101		70 - 130
4-Bromofluorobenzene	97		70 - 130

**Lab Sample ID: 11K3094-MS1**

**Matrix: Water**

**Analysis Batch: U020213**

**Client Sample ID: Tract 28 TW-1 (40-44)**

**Prep Type: Total**

**Prep Batch: 11K3094\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	
Acetone	<25.0	pH	250	312		ug/L		125	45 - 141	
Benzene	<0.500	pH	50.0	48.4		ug/L		97	75 - 133	
Bromochloromethane	<0.500	pH	50.0	44.5		ug/L		89	67 - 139	
Bromodichloromethane	<0.500	pH	50.0	36.0		ug/L		72	70 - 140	
Bromoform	<0.500	pH	50.0	21.4		ug/L		43	42 - 147	
Bromomethane	<0.500	pH	50.0	33.4		ug/L		67	16 - 163	
2-Butanone	<25.0	pH	250	289		ug/L		116	50 - 138	
Carbon disulfide	<0.500	M8 pH	50.0	22.3	M8	ug/L		45	48 - 152	
Carbon Tetrachloride	<0.500	pH	50.0	38.2		ug/L		76	62 - 164	
Chlorobenzene	<0.500	pH	50.0	48.3		ug/L		97	80 - 129	
Chlorodibromomethane	<0.500	M8 pH	50.0	30.4	M8	ug/L		61	66 - 140	
Chloroethane	<0.500	pH	50.0	39.2		ug/L		78	58 - 137	
Chloroform	<0.500	pH	50.0	56.6		ug/L		113	66 - 138	
Chloromethane	<0.500	pH	50.0	19.2		ug/L		38	10 - 169	
Cyclohexane	<2.50	pH	50.0	44.4		ug/L		89	58 - 144	
1,2-Dibromo-3-chloropropane	<5.00	pH	50.0	32.4		ug/L		65	52 - 126	
1,2-Dibromoethane (EDB)	<0.500	pH	50.0	48.3		ug/L		97	75 - 137	
Methylcyclohexane	<2.50	pH	50.0	45.9		ug/L		92	59 - 151	
1,2-Dichlorobenzene	<0.500	pH	50.0	46.5		ug/L		93	79 - 128	
1,3-Dichlorobenzene	<0.500	pH	50.0	45.9		ug/L		92	77 - 131	
1,4-Dichlorobenzene	<0.500	pH	50.0	47.2		ug/L		94	78 - 126	
Dichlorodifluoromethane	<0.600	pH	50.0	24.3		ug/L		49	40 - 127	
1,2-Dichloroethane	<0.500	pH	50.0	47.2		ug/L		94	64 - 136	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3094-MS1**

**Matrix: Water**

**Analysis Batch: U020213**

**Client Sample ID: Tract 28 TW-1 (40-44)**

**Prep Type: Total**

**Prep Batch: 11K3094\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,1-Dichloroethane	<0.500	pH	50.0	48.1		ug/L		96	71 - 139	
1,1-Dichloroethene	<0.500	pH	50.0	47.4		ug/L		95	70 - 142	
trans-1,2-Dichloroethene	<0.500	pH	50.0	45.8		ug/L		92	66 - 143	
1,1,2-Trifluorotrichloroethane	<0.500	pH	50.0	47.1		ug/L		94	72 - 148	
cis-1,2-Dichloroethene	<0.500	pH	50.0	46.7		ug/L		93	68 - 138	
1,2-Dichloropropane	<0.500	pH	50.0	44.6		ug/L		89	67 - 131	
trans-1,3-Dichloropropene	<0.500	pH	50.0	34.5		ug/L		69	59 - 135	
cis-1,3-Dichloropropene	<0.500	pH	50.0	37.3		ug/L		75	71 - 141	
Ethylbenzene	<0.500	pH	50.0	48.1		ug/L		96	79 - 139	
2-Hexanone	<5.00	pH	250	284		ug/L		113	50 - 150	
Isopropylbenzene	<0.500	pH	50.0	51.9		ug/L		104	80 - 153	
Methyl Acetate	<5.00	pH	50.0	39.4		ug/L		79	30 - 165	
Methyl tert-Butyl Ether	<0.500	pH	50.0	50.0		ug/L		100	66 - 141	
Methylene Chloride	<2.50	pH	50.0	43.5		ug/L		87	64 - 139	
4-Methyl-2-pentanone	<5.00	pH	250	265		ug/L		106	50 - 147	
Styrene	<0.500	pH	50.0	47.2		ug/L		94	61 - 148	
1,1,2,2-Tetrachloroethane	<0.500	pH	50.0	49.4		ug/L		99	56 - 143	
Tetrachloroethene	<0.500	pH	50.0	45.4		ug/L		91	72 - 145	
Toluene	<0.500	pH	50.0	49.8		ug/L		100	75 - 136	
1,2,4-Trichlorobenzene	<0.500	pH	50.0	37.9		ug/L		76	60 - 136	
1,2,3-Trichlorobenzene	<0.500	pH	50.0	36.8		ug/L		74	55 - 138	
1,1,1-Trichloroethane	<0.500	pH	50.0	47.8		ug/L		96	76 - 149	
1,1,2-Trichloroethane	<0.500	pH	50.0	50.7		ug/L		101	74 - 134	
Trichloroethene	<0.500	pH	50.0	48.8		ug/L		98	73 - 144	
Trichlorofluoromethane	<0.500	pH	50.0	42.2		ug/L		84	58 - 139	
Vinyl chloride	<0.500	pH	50.0	34.1		ug/L		68	56 - 129	
Xylenes, total	<1.50	pH	150	143		ug/L		95	74 - 141	
	<b>Matrix Spike</b>	<b>Matrix Spike</b>								
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1,2-Dichloroethane-d4	99		70 - 130							
Dibromofluoromethane	102		70 - 130							
Toluene-d8	101		70 - 130							
4-Bromofluorobenzene	98		70 - 130							

**Lab Sample ID: 11K3094-MSD1**

**Matrix: Water**

**Analysis Batch: U020213**

**Client Sample ID: Tract 28 TW-1 (40-44)**

**Prep Type: Total**

**Prep Batch: 11K3094\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	<25.0	pH	250	320		ug/L		128	45 - 141	3	21	
Benzene	<0.500	pH	50.0	49.1		ug/L		98	75 - 133	1	17	
Bromochloromethane	<0.500	pH	50.0	43.8		ug/L		88	67 - 139	1	17	
Bromodichloromethane	<0.500	pH	50.0	36.9		ug/L		74	70 - 140	3	18	
Bromoform	<0.500	pH	50.0	23.2		ug/L		46	42 - 147	9	16	
Bromomethane	<0.500	pH	50.0	33.8		ug/L		68	16 - 163	1	50	
2-Butanone	<25.0	pH	250	300		ug/L		120	50 - 138	4	19	
Carbon disulfide	<0.500	M8 pH	50.0	23.0	M8	ug/L		46	48 - 152	3	21	
Carbon Tetrachloride	<0.500	pH	50.0	38.6		ug/L		77	62 - 164	1	19	
Chlorobenzene	<0.500	pH	50.0	49.0		ug/L		98	80 - 129	1	14	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K3094-MSD1

Matrix: Water

Analysis Batch: U020213

Client Sample ID: Tract 28 TW-1 (40-44)

Prep Type: Total

Prep Batch: 11K3094\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Chlorodibromomethane	<0.500	M8 pH	50.0	31.3	M8	ug/L		63	66 - 140	3	15	
Chloroethane	<0.500	pH	50.0	39.4		ug/L		79	58 - 137	0.4	20	
Chloroform	<0.500	pH	50.0	55.0		ug/L		110	66 - 138	3	18	
Chloromethane	<0.500	pH	50.0	20.2		ug/L		40	10 - 169	5	31	
Cyclohexane	<2.50	pH	50.0	44.3		ug/L		89	58 - 144	0.2	16	
1,2-Dibromo-3-chloropropane	<5.00	pH	50.0	35.2		ug/L		70	52 - 126	8	24	
1,2-Dibromoethane (EDB)	<0.500	pH	50.0	49.2		ug/L		98	75 - 137	2	15	
Methylcyclohexane	<2.50	pH	50.0	45.4		ug/L		91	59 - 151	0.9	19	
1,2-Dichlorobenzene	<0.500	pH	50.0	47.7		ug/L		95	79 - 128	2	15	
1,3-Dichlorobenzene	<0.500	pH	50.0	47.7		ug/L		95	77 - 131	4	15	
1,4-Dichlorobenzene	<0.500	pH	50.0	47.8		ug/L		96	78 - 126	1	15	
Dichlorodifluoromethane	<0.600	pH	50.0	24.2		ug/L		48	40 - 127	0.3	18	
1,2-Dichloroethane	<0.500	pH	50.0	48.9		ug/L		98	64 - 136	4	17	
1,1-Dichloroethane	<0.500	pH	50.0	47.8		ug/L		96	71 - 139	0.7	17	
1,1-Dichloroethene	<0.500	pH	50.0	47.1		ug/L		94	70 - 142	0.7	17	
trans-1,2-Dichloroethene	<0.500	pH	50.0	45.7		ug/L		91	66 - 143	0.2	16	
1,1,2-Trifluorotrchloroethane	<0.500	pH	50.0	47.5		ug/L		95	72 - 148	0.8	18	
cis-1,2-Dichloroethene	<0.500	pH	50.0	47.1		ug/L		94	68 - 138	0.8	17	
1,2-Dichloropropane	<0.500	pH	50.0	44.8		ug/L		90	67 - 131	0.6	17	
trans-1,3-Dichloropropene	<0.500	pH	50.0	35.2		ug/L		70	59 - 135	2	14	
cis-1,3-Dichloropropene	<0.500	pH	50.0	39.3		ug/L		79	71 - 141	5	15	
Ethylbenzene	<0.500	pH	50.0	48.8		ug/L		98	79 - 139	1	15	
2-Hexanone	<5.00	pH	250	304		ug/L		121	50 - 150	7	15	
Isopropylbenzene	<0.500	pH	50.0	51.9		ug/L		104	80 - 153	0.02	16	
Methyl Acetate	<5.00	pH	50.0	39.6		ug/L		79	30 - 165	0.3	31	
Methyl tert-Butyl Ether	<0.500	pH	50.0	50.9		ug/L		102	66 - 141	2	16	
Methylene Chloride	<2.50	pH	50.0	44.3		ug/L		89	64 - 139	2	17	
4-Methyl-2-pentanone	<5.00	pH	250	281		ug/L		112	50 - 147	6	17	
Styrene	<0.500	pH	50.0	48.0		ug/L		96	61 - 148	2	24	
1,1,1,2-Tetrachloroethane	<0.500	pH	50.0	51.0		ug/L		102	56 - 143	3	20	
Tetrachloroethene	<0.500	pH	50.0	45.1		ug/L		90	72 - 145	0.7	16	
Toluene	<0.500	pH	50.0	50.6		ug/L		101	75 - 136	2	15	
1,2,4-Trichlorobenzene	<0.500	pH	50.0	40.7		ug/L		81	60 - 136	7	19	
1,2,3-Trichlorobenzene	<0.500	pH	50.0	41.4		ug/L		83	55 - 138	12	25	
1,1,1-Trichloroethane	<0.500	pH	50.0	47.6		ug/L		95	76 - 149	0.4	17	
1,1,2-Trichloroethane	<0.500	pH	50.0	51.4		ug/L		103	74 - 134	1	15	
Trichloroethene	<0.500	pH	50.0	49.0		ug/L		98	73 - 144	0.5	17	
Trichlorofluoromethane	<0.500	pH	50.0	42.7		ug/L		85	58 - 139	1	18	
Vinyl chloride	<0.500	pH	50.0	33.9		ug/L		68	56 - 129	0.6	17	
Xylenes, total	<1.50	pH	150	143		ug/L		95	74 - 141	0.2	15	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	97		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8	102		70 - 130
4-Bromofluorobenzene	97		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-BLK1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,1,2-Trifluorotrchloroethane	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-BLK1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		11/15/11 13:05	11/15/11 16:24	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	90		70 - 130				11/15/11 13:05	11/15/11 16:24	1.00
Dibromofluoromethane	89		70 - 130				11/15/11 13:05	11/15/11 16:24	1.00
Toluene-d8	99		70 - 130				11/15/11 13:05	11/15/11 16:24	1.00
4-Bromofluorobenzene	104		70 - 130				11/15/11 13:05	11/15/11 16:24	1.00

**Lab Sample ID: 11K3920-BLK2**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,1,2-Trifluoroethane	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Methyl Acetate	<0.250		0.500	0.250	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-BLK2**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		11/15/11 13:05	11/15/11 16:55	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	83		70 - 130	11/15/11 13:05	11/15/11 16:55	50.0
Dibromofluoromethane	76		70 - 130	11/15/11 13:05	11/15/11 16:55	50.0
Toluene-d8	102		70 - 130	11/15/11 13:05	11/15/11 16:55	50.0
4-Bromofluorobenzene	102		70 - 130	11/15/11 13:05	11/15/11 16:55	50.0

**Lab Sample ID: 11K3920-BS1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	250	255		ug/kg		102	51 - 149
Benzene	50.0	48.2		ug/kg		96	75 - 127
Bromochloromethane	50.0	46.8		ug/kg		94	70 - 132
Bromodichloromethane	50.0	45.1		ug/kg		90	68 - 135
Bromoform	50.0	58.9		ug/kg		118	36 - 150
Bromomethane	50.0	44.5		ug/kg		89	43 - 142
2-Butanone	250	249		ug/kg		100	61 - 132
Carbon disulfide	50.0	52.4		ug/kg		105	74 - 135
Carbon Tetrachloride	50.0	51.6		ug/kg		103	70 - 141
Chlorobenzene	50.0	54.8		ug/kg		110	84 - 125
Chlorodibromomethane	50.0	49.7		ug/kg		99	66 - 134
Chloroethane	50.0	48.0		ug/kg		96	53 - 144
Chloroform	50.0	45.8		ug/kg		92	76 - 130
Chloromethane	50.0	38.3		ug/kg		77	23 - 150
Cyclohexane	50.0	51.4		ug/kg		103	70 - 133
1,2-Dibromo-3-chloropropane	50.0	48.1		ug/kg		96	49 - 142
1,2-Dibromoethane (EDB)	50.0	58.8		ug/kg		118	80 - 135
Methylcyclohexane	50.0	53.0		ug/kg		106	69 - 140
1,2-Dichlorobenzene	50.0	56.0		ug/kg		112	80 - 134
1,3-Dichlorobenzene	50.0	54.7		ug/kg		109	79 - 137
1,4-Dichlorobenzene	50.0	53.9		ug/kg		108	77 - 139
Dichlorodifluoromethane	50.0	24.9		ug/kg		50	12 - 144
1,2-Dichloroethane	50.0	46.1		ug/kg		92	65 - 134



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-BS1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
1,1-Dichloroethane	50.0	48.8		ug/kg		98	75 - 124	
1,1-Dichloroethene	50.0	49.8		ug/kg		100	75 - 131	
trans-1,2-Dichloroethene	50.0	48.9		ug/kg		98	76 - 128	
1,1,2-Trifluorotrchloroethane	50.0	50.3		ug/kg		101	67 - 136	
cis-1,2-Dichloroethene	50.0	48.7		ug/kg		97	75 - 125	
1,2-Dichloropropane	50.0	47.4		ug/kg		95	69 - 120	
trans-1,3-Dichloropropene	50.0	52.2		ug/kg		104	62 - 139	
cis-1,3-Dichloropropene	50.0	55.8		ug/kg		112	73 - 148	
Ethylbenzene	50.0	57.2		ug/kg		114	80 - 134	
2-Hexanone	250	308		ug/kg		123	57 - 148	
Isopropylbenzene	50.0	64.5		ug/kg		129	80 - 150	
Methyl Acetate	50.0	54.4		ug/kg		109	11 - 170	
Methyl tert-Butyl Ether	50.0	51.8		ug/kg		104	70 - 136	
Methylene Chloride	50.0	53.0		ug/kg		106	68 - 144	
4-Methyl-2-pentanone	250	303		ug/kg		121	59 - 138	
Styrene	50.0	58.1		ug/kg		116	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	56.6		ug/kg		113	66 - 134	
Tetrachloroethene	50.0	56.1		ug/kg		112	78 - 140	
Toluene	50.0	56.8		ug/kg		114	80 - 132	
1,2,4-Trichlorobenzene	50.0	60.8		ug/kg		122	62 - 150	
1,2,3-Trichlorobenzene	50.0	58.5		ug/kg		117	70 - 150	
1,1,1-Trichloroethane	50.0	49.7		ug/kg		99	72 - 140	
1,1,2-Trichloroethane	50.0	56.5		ug/kg		113	78 - 128	
Trichloroethene	50.0	50.4		ug/kg		101	77 - 127	
Trichlorofluoromethane	50.0	47.6		ug/kg		95	50 - 140	
Vinyl chloride	50.0	44.2		ug/kg		88	47 - 136	
Xylenes, total	150	170		ug/kg		114	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	85		70 - 130
Dibromofluoromethane	88		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	102		70 - 130

**Lab Sample ID: 11K3920-BSD1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits			
Acetone	250	291		ug/kg		116	51 - 149	13	50	
Benzene	50.0	57.5		ug/kg		115	75 - 127	18	50	
Bromochloromethane	50.0	55.1		ug/kg		110	70 - 132	16	50	
Bromodichloromethane	50.0	52.7		ug/kg		105	68 - 135	16	50	
Bromoform	50.0	57.6		ug/kg		115	36 - 150	2	50	
Bromomethane	50.0	54.2		ug/kg		108	43 - 142	20	50	
2-Butanone	250	280		ug/kg		112	61 - 132	12	50	
Carbon disulfide	50.0	62.7		ug/kg		125	74 - 135	18	50	
Carbon Tetrachloride	50.0	61.2		ug/kg		122	70 - 141	17	50	
Chlorobenzene	50.0	54.2		ug/kg		108	84 - 125	1	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K3920-BSD1

Matrix: Soil

Analysis Batch: U020362

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11K3920\_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	Limit
Chlorodibromomethane	50.0	50.1		ug/kg		100	66 - 134	1	50	
Chloroethane	50.0	58.2		ug/kg		116	53 - 144	19	50	
Chloroform	50.0	54.7		ug/kg		109	76 - 130	18	49	
Chloromethane	50.0	42.5		ug/kg		85	23 - 150	10	50	
Cyclohexane	50.0	60.2		ug/kg		120	70 - 133	16	50	
1,2-Dibromo-3-chloropropane	50.0	45.1		ug/kg		90	49 - 142	7	50	
1,2-Dibromoethane (EDB)	50.0	59.0		ug/kg		118	80 - 135	0.3	50	
Methylcyclohexane	50.0	62.2		ug/kg		124	69 - 140	16	50	
1,2-Dichlorobenzene	50.0	53.6		ug/kg		107	80 - 134	4	50	
1,3-Dichlorobenzene	50.0	54.0		ug/kg		108	79 - 137	1	50	
1,4-Dichlorobenzene	50.0	53.2		ug/kg		106	77 - 139	1	50	
Dichlorodifluoromethane	50.0	18.6		ug/kg		37	12 - 144	29	50	
1,2-Dichloroethane	50.0	55.2		ug/kg		110	65 - 134	18	50	
1,1-Dichloroethane	50.0	57.8		ug/kg		116	75 - 124	17	50	
1,1-Dichloroethene	50.0	59.9		ug/kg		120	75 - 131	18	50	
trans-1,2-Dichloroethene	50.0	58.6		ug/kg		117	76 - 128	18	50	
1,1,1-Trifluorotrchloroethane	50.0	59.4		ug/kg		119	67 - 136	17	50	
cis-1,2-Dichloroethene	50.0	57.6		ug/kg		115	75 - 125	17	50	
1,2-Dichloropropane	50.0	55.6		ug/kg		111	69 - 120	16	50	
trans-1,3-Dichloropropene	50.0	52.1		ug/kg		104	62 - 139	0.1	50	
cis-1,3-Dichloropropene	50.0	55.4		ug/kg		111	73 - 148	0.8	50	
Ethylbenzene	50.0	57.9		ug/kg		116	80 - 134	1	50	
2-Hexanone	250	293		ug/kg		117	57 - 148	5	50	
Isopropylbenzene	50.0	64.2		ug/kg		128	80 - 150	0.4	50	
Methyl Acetate	50.0	55.7		ug/kg		111	11 - 170	2	50	
Methyl tert-Butyl Ether	50.0	60.7		ug/kg		121	70 - 136	16	50	
Methylene Chloride	50.0	64.9		ug/kg		130	68 - 144	20	50	
4-Methyl-2-pentanone	250	289		ug/kg		115	59 - 138	5	50	
Styrene	50.0	59.2		ug/kg		118	82 - 137	2	50	
1,1,1,2-Tetrachloroethane	50.0	54.1		ug/kg		108	66 - 134	4	50	
Tetrachloroethene	50.0	56.0		ug/kg		112	78 - 140	0.2	50	
Toluene	50.0	56.4		ug/kg		113	80 - 132	0.6	50	
1,2,4-Trichlorobenzene	50.0	59.2		ug/kg		118	62 - 150	3	50	
1,2,3-Trichlorobenzene	50.0	57.2		ug/kg		114	70 - 150	2	50	
1,1,1-Trichloroethane	50.0	59.6		ug/kg		119	72 - 140	18	50	
1,1,2-Trichloroethane	50.0	55.9		ug/kg		112	78 - 128	1	50	
Trichloroethene	50.0	59.4		ug/kg		119	77 - 127	16	50	
Trichlorofluoromethane	50.0	56.4		ug/kg		113	50 - 140	17	50	
Vinyl chloride	50.0	51.9		ug/kg		104	47 - 136	16	50	
Xylenes, total	150	172		ug/kg		115	80 - 137	1	50	

Surrogate	LCS Dup		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	99		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	102		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-MS1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result		Added	Result	Qualifier				
Acetone	<0.0275		0.267	0.267		mg/kg dry	☼	100	19 - 175
Benzene	0.00283		0.0534	0.0559		mg/kg dry	☼	99	31 - 143
Bromochloromethane	<0.00132		0.0534	0.0462		mg/kg dry	☼	87	31 - 141
Bromodichloromethane	<0.00110		0.0534	0.0438		mg/kg dry	☼	82	19 - 148
Bromoform	<0.00110		0.0534	0.0442		mg/kg dry	☼	83	10 - 165
Bromomethane	<0.00132		0.0534	0.0480		mg/kg dry	☼	90	10 - 164
2-Butanone	<0.0275		0.267	0.256		mg/kg dry	☼	96	18 - 153
Carbon disulfide	<0.00397		0.0534	0.0570		mg/kg dry	☼	107	32 - 144
Carbon Tetrachloride	<0.00110		0.0534	0.0564		mg/kg dry	☼	106	31 - 149
Chlorobenzene	<0.00121		0.0534	0.0516		mg/kg dry	☼	97	25 - 152
Chlorodibromomethane	<0.00110		0.0534	0.0398		mg/kg dry	☼	75	14 - 146
Chloroethane	<0.00275		0.0534	0.0521		mg/kg dry	☼	98	10 - 151
Chloroform	<0.00143		0.0534	0.0488		mg/kg dry	☼	92	34 - 160
Chloromethane	<0.00121		0.0534	0.0381		mg/kg dry	☼	71	10 - 156
Cyclohexane	<0.00551		0.0534	0.0625		mg/kg dry	☼	117	32 - 158
1,2-Dibromo-3-chloropropane	<0.00275		0.0534	0.0420		mg/kg dry	☼	79	10 - 147
1,2-Dibromoethane (EDB)	<0.00110		0.0534	0.0504		mg/kg dry	☼	94	18 - 156
Methylcyclohexane	<0.00551		0.0534	0.0696		mg/kg dry	☼	130	29 - 167
1,2-Dichlorobenzene	<0.00110		0.0534	0.0511		mg/kg dry	☼	96	10 - 160
1,3-Dichlorobenzene	<0.00132		0.0534	0.0514		mg/kg dry	☼	96	10 - 162
1,4-Dichlorobenzene	<0.00121		0.0534	0.0507		mg/kg dry	☼	95	11 - 159
Dichlorodifluoromethane	<0.00154		0.0534	0.0262		mg/kg dry	☼	49	10 - 143
1,2-Dichloroethane	<0.00121		0.0534	0.0460		mg/kg dry	☼	86	28 - 138
1,1-Dichloroethane	<0.00143		0.0534	0.0529		mg/kg dry	☼	99	42 - 136
1,1-Dichloroethene	<0.00132		0.0534	0.0568		mg/kg dry	☼	106	41 - 143
trans-1,2-Dichloroethene	<0.00143		0.0534	0.0546		mg/kg dry	☼	102	39 - 140
1,1,2-Trifluorotrchloroethane	<0.00121		0.0534	0.0611		mg/kg dry	☼	114	42 - 147
cis-1,2-Dichloroethene	<0.00121		0.0534	0.0524		mg/kg dry	☼	98	36 - 139
1,2-Dichloropropane	<0.00110		0.0534	0.0501		mg/kg dry	☼	94	20 - 146
trans-1,3-Dichloropropene	<0.00110		0.0534	0.0435		mg/kg dry	☼	82	10 - 157
cis-1,3-Dichloropropene	<0.00110		0.0534	0.0482		mg/kg dry	☼	90	15 - 166
Ethylbenzene	0.00151		0.0534	0.0585		mg/kg dry	☼	107	23 - 161
2-Hexanone	<0.0275		0.267	0.262		mg/kg dry	☼	98	10 - 169
Isopropylbenzene	<0.00121		0.0534	0.0649		mg/kg dry	☼	122	23 - 181
Methyl Acetate	<0.00551		0.0534	0.0674		mg/kg dry	☼	126	10 - 200
Methyl tert-Butyl Ether	<0.00110		0.0534	0.0529		mg/kg dry	☼	99	28 - 141
Methylene Chloride	<0.00551		0.0534	0.0517		mg/kg dry	☼	97	24 - 182
4-Methyl-2-pentanone	<0.0275		0.267	0.260		mg/kg dry	☼	97	10 - 168
Styrene	<0.00121		0.0534	0.0554		mg/kg dry	☼	104	10 - 165
1,1,2,2-Tetrachloroethane	<0.00110		0.0534	0.0479		mg/kg dry	☼	90	10 - 162
Tetrachloroethene	<0.00143		0.0534	0.0585		mg/kg dry	☼	110	33 - 161
Toluene	0.00317		0.0534	0.0570		mg/kg dry	☼	101	30 - 155
1,2,4-Trichlorobenzene	<0.00132		0.0534	0.0592		mg/kg dry	☼	111	10 - 167
1,2,3-Trichlorobenzene	<0.00121		0.0534	0.0538		mg/kg dry	☼	101	10 - 157
1,1,1-Trichloroethane	<0.00110		0.0534	0.0562		mg/kg dry	☼	105	35 - 149
1,1,2-Trichloroethane	<0.00275		0.0534	0.0491		mg/kg dry	☼	92	19 - 157
Trichloroethene	<0.00110		0.0534	0.0584		mg/kg dry	☼	109	27 - 153
Trichlorofluoromethane	<0.00110		0.0534	0.0534		mg/kg dry	☼	100	25 - 137
Vinyl chloride	<0.00110		0.0534	0.0459		mg/kg dry	☼	86	20 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-MS1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Xylenes, total	<0.00275		0.160	0.168		mg/kg dry	☼	105	25 - 162	
<b>Surrogate</b>	<b>Matrix Spike</b>	<b>Matrix Spike</b>	<b>Limits</b>							
	<b>%Recovery</b>	<b>Qualifier</b>								
1,2-Dichloroethane-d4	98		70 - 130							
Dibromofluoromethane	99		70 - 130							
Toluene-d8	102		70 - 130							
4-Bromofluorobenzene	104		70 - 130							

**Lab Sample ID: 11K3920-MSD1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	<0.0275		0.249	0.322		mg/kg dry	☼	129	19 - 175	18	50	
Benzene	0.00283		0.0499	0.0451		mg/kg dry	☼	85	31 - 143	21	50	
Bromochloromethane	<0.00132		0.0499	0.0393		mg/kg dry	☼	79	31 - 141	16	50	
Bromodichloromethane	<0.00110		0.0499	0.0368		mg/kg dry	☼	74	19 - 148	18	50	
Bromoform	<0.00110		0.0499	0.0457		mg/kg dry	☼	92	10 - 165	3	50	
Bromomethane	<0.00132		0.0499	0.0372		mg/kg dry	☼	74	10 - 164	26	50	
2-Butanone	<0.0275		0.249	0.298		mg/kg dry	☼	119	18 - 153	15	50	
Carbon disulfide	<0.00397		0.0499	0.0453		mg/kg dry	☼	91	32 - 144	23	50	
Carbon Tetrachloride	<0.00110		0.0499	0.0454		mg/kg dry	☼	91	31 - 149	22	50	
Chlorobenzene	<0.00121		0.0499	0.0468		mg/kg dry	☼	94	25 - 152	10	50	
Chlorodibromomethane	<0.00110		0.0499	0.0394		mg/kg dry	☼	79	14 - 146	0.9	50	
Chloroethane	<0.00275		0.0499	0.0424		mg/kg dry	☼	85	10 - 151	21	50	
Chloroform	<0.00143		0.0499	0.0399		mg/kg dry	☼	80	34 - 160	20	49	
Chloromethane	<0.00121		0.0499	0.0297		mg/kg dry	☼	59	10 - 156	25	50	
Cyclohexane	<0.00551		0.0499	0.0492		mg/kg dry	☼	99	32 - 158	24	50	
1,2-Dibromo-3-chloropropane	<0.00275		0.0499	0.0536		mg/kg dry	☼	107	10 - 147	24	50	
1,2-Dibromoethane (EDB)	<0.00110		0.0499	0.0508		mg/kg dry	☼	102	18 - 156	0.8	50	
Methylcyclohexane	<0.00551		0.0499	0.0552		mg/kg dry	☼	111	29 - 167	23	50	
1,2-Dichlorobenzene	<0.00110		0.0499	0.0476		mg/kg dry	☼	95	10 - 160	7	50	
1,3-Dichlorobenzene	<0.00132		0.0499	0.0465		mg/kg dry	☼	93	10 - 162	10	50	
1,4-Dichlorobenzene	<0.00121		0.0499	0.0461		mg/kg dry	☼	92	11 - 159	9	50	
Dichlorodifluoromethane	<0.00154		0.0499	0.0151	R2	mg/kg dry	☼	30	10 - 143	54	50	
1,2-Dichloroethane	<0.00121		0.0499	0.0392		mg/kg dry	☼	79	28 - 138	16	50	
1,1-Dichloroethane	<0.00143		0.0499	0.0427		mg/kg dry	☼	86	42 - 136	21	50	
1,1-Dichloroethene	<0.00132		0.0499	0.0460		mg/kg dry	☼	92	41 - 143	21	50	
trans-1,2-Dichloroethene	<0.00143		0.0499	0.0433		mg/kg dry	☼	87	39 - 140	23	50	
1,1,2-Trifluorotrchloroethane	<0.00121		0.0499	0.0479		mg/kg dry	☼	96	42 - 147	24	50	
cis-1,2-Dichloroethene	<0.00121		0.0499	0.0428		mg/kg dry	☼	86	36 - 139	20	50	
1,2-Dichloropropane	<0.00110		0.0499	0.0408		mg/kg dry	☼	82	20 - 146	21	50	
trans-1,3-Dichloropropene	<0.00110		0.0499	0.0432		mg/kg dry	☼	87	10 - 157	0.7	50	
cis-1,3-Dichloropropene	<0.00110		0.0499	0.0471		mg/kg dry	☼	94	15 - 166	2	50	
Ethylbenzene	0.00151		0.0499	0.0522		mg/kg dry	☼	102	23 - 161	11	50	
2-Hexanone	<0.0275		0.249	0.328		mg/kg dry	☼	132	10 - 169	23	50	
Isopropylbenzene	<0.00121		0.0499	0.0575		mg/kg dry	☼	115	23 - 181	12	50	
Methyl Acetate	<0.00551		0.0499	0.0746		mg/kg dry	☼	150	10 - 200	10	50	
Methyl tert-Butyl Ether	<0.00110		0.0499	0.0459		mg/kg dry	☼	92	28 - 141	14	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3920-MSD1**

**Matrix: Soil**

**Analysis Batch: U020362**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3920\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Methylene Chloride	<0.00551		0.0499	0.0432		mg/kg dry	*	87	24 - 182	18	50
4-Methyl-2-pentanone	<0.0275		0.249	0.315		mg/kg dry	*	126	10 - 168	19	50
Styrene	<0.00121		0.0499	0.0499		mg/kg dry	*	100	10 - 165	10	50
1,1,2,2-Tetrachloroethane	<0.00110		0.0499	0.0520		mg/kg dry	*	104	10 - 162	8	50
Tetrachloroethene	<0.00143		0.0499	0.0518		mg/kg dry	*	104	33 - 161	12	50
Toluene	0.00317		0.0499	0.0537		mg/kg dry	*	101	30 - 155	6	50
1,2,4-Trichlorobenzene	<0.00132		0.0499	0.0552		mg/kg dry	*	111	10 - 167	7	50
1,2,3-Trichlorobenzene	<0.00121		0.0499	0.0504		mg/kg dry	*	101	10 - 157	6	50
1,1,1-Trichloroethane	<0.00110		0.0499	0.0449		mg/kg dry	*	90	35 - 149	22	50
1,1,2-Trichloroethane	<0.00275		0.0499	0.0489		mg/kg dry	*	98	19 - 157	0.4	50
Trichloroethene	<0.00110		0.0499	0.0460		mg/kg dry	*	92	27 - 153	24	50
Trichlorofluoromethane	<0.00110		0.0499	0.0433		mg/kg dry	*	87	25 - 137	21	50
Vinyl chloride	<0.00110		0.0499	0.0378		mg/kg dry	*	76	20 - 141	19	50
Xylenes, total	<0.00275		0.150	0.151		mg/kg dry	*	101	25 - 162	11	50

**Matrix Spike Dup    Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	83		70 - 130
Dibromofluoromethane	84		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	108		70 - 130

**Lab Sample ID: 11K4251-BLK1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-BLK1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,1,2-Trifluorotrchloroethane	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		11/16/11 11:55	11/16/11 15:14	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	91		70 - 130	11/16/11 11:55	11/16/11 15:14	1.00
Dibromofluoromethane	90		70 - 130	11/16/11 11:55	11/16/11 15:14	1.00
Toluene-d8	101		70 - 130	11/16/11 11:55	11/16/11 15:14	1.00
4-Bromofluorobenzene	103		70 - 130	11/16/11 11:55	11/16/11 15:14	1.00

**Lab Sample ID: 11K4251-BLK2**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-BLK2**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,1,2-Trifluoroethane	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Methyl Acetate	<0.250		0.500	0.250	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,1,1,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		11/16/11 11:55	11/16/11 15:45	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	77		70 - 130	11/16/11 11:55	11/16/11 15:45	50.0
Dibromofluoromethane	70		70 - 130	11/16/11 11:55	11/16/11 15:45	50.0
Toluene-d8	102		70 - 130	11/16/11 11:55	11/16/11 15:45	50.0
4-Bromofluorobenzene	100		70 - 130	11/16/11 11:55	11/16/11 15:45	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-BS1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits %Rec.
Acetone	250	236		ug/kg		95	51 - 149
Benzene	50.0	46.5		ug/kg		93	75 - 127
Bromochloromethane	50.0	48.7		ug/kg		97	70 - 132
Bromodichloromethane	50.0	43.3		ug/kg		87	68 - 135
Bromoform	50.0	62.0		ug/kg		124	36 - 150
Bromomethane	50.0	43.3		ug/kg		87	43 - 142
2-Butanone	250	228		ug/kg		91	61 - 132
Carbon disulfide	50.0	51.5		ug/kg		103	74 - 135
Carbon Tetrachloride	50.0	50.0		ug/kg		100	70 - 141
Chlorobenzene	50.0	53.7		ug/kg		107	84 - 125
Chlorodibromomethane	50.0	47.9		ug/kg		96	66 - 134
Chloroethane	50.0	52.3		ug/kg		105	53 - 144
Chloroform	50.0	43.8		ug/kg		88	76 - 130
Chloromethane	50.0	40.9		ug/kg		82	23 - 150
Cyclohexane	50.0	49.8		ug/kg		100	70 - 133
1,2-Dibromo-3-chloropropane	50.0	52.1		ug/kg		104	49 - 142
1,2-Dibromoethane (EDB)	50.0	56.2		ug/kg		112	80 - 135
Methylcyclohexane	50.0	37.0		ug/kg		74	69 - 140
1,2-Dichlorobenzene	50.0	53.4		ug/kg		107	80 - 134
1,3-Dichlorobenzene	50.0	54.8		ug/kg		110	79 - 137
1,4-Dichlorobenzene	50.0	54.1		ug/kg		108	77 - 139
Dichlorodifluoromethane	50.0	27.7		ug/kg		55	12 - 144
1,2-Dichloroethane	50.0	43.7		ug/kg		87	65 - 134
1,1-Dichloroethane	50.0	46.4		ug/kg		93	75 - 124
1,1-Dichloroethene	50.0	47.6		ug/kg		95	75 - 131
trans-1,2-Dichloroethene	50.0	46.8		ug/kg		94	76 - 128
1,1,2-Trifluorotrchloroethane	50.0	47.1		ug/kg		94	67 - 136
cis-1,2-Dichloroethene	50.0	46.5		ug/kg		93	75 - 125
1,2-Dichloropropane	50.0	43.2		ug/kg		86	69 - 120
trans-1,3-Dichloropropene	50.0	50.1		ug/kg		100	62 - 139
cis-1,3-Dichloropropene	50.0	52.7		ug/kg		105	73 - 148
Ethylbenzene	50.0	57.2		ug/kg		114	80 - 134
2-Hexanone	250	284		ug/kg		114	57 - 148
Isopropylbenzene	50.0	65.8		ug/kg		132	80 - 150
Methyl Acetate	50.0	47.0		ug/kg		94	11 - 170
Methyl tert-Butyl Ether	50.0	50.2		ug/kg		100	70 - 136
Methylene Chloride	50.0	54.1		ug/kg		108	68 - 144
4-Methyl-2-pentanone	250	282		ug/kg		113	59 - 138
Styrene	50.0	59.8		ug/kg		120	82 - 137
1,1,2,2-Tetrachloroethane	50.0	54.0		ug/kg		108	66 - 134
Tetrachloroethene	50.0	54.2		ug/kg		108	78 - 140
Toluene	50.0	54.6		ug/kg		109	80 - 132
1,2,4-Trichlorobenzene	50.0	60.3		ug/kg		121	62 - 150
1,2,3-Trichlorobenzene	50.0	56.4		ug/kg		113	70 - 150
1,1,1-Trichloroethane	50.0	48.0		ug/kg		96	72 - 140
1,1,2-Trichloroethane	50.0	53.1		ug/kg		106	78 - 128
Trichloroethene	50.0	38.6		ug/kg		77	77 - 127
Trichlorofluoromethane	50.0	46.9		ug/kg		94	50 - 140
Vinyl chloride	50.0	37.6		ug/kg		75	47 - 136



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-BS1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, total	150	169		ug/kg		113	80 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	80		70 - 130
Dibromofluoromethane	84		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	101		70 - 130

**Lab Sample ID: 11K4251-BSD1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	296		ug/kg		118	51 - 149	22	50
Benzene	50.0	54.9		ug/kg		110	75 - 127	17	50
Bromochloromethane	50.0	55.0		ug/kg		110	70 - 132	12	50
Bromodichloromethane	50.0	51.4		ug/kg		103	68 - 135	17	50
Bromoform	50.0	58.8		ug/kg		118	36 - 150	5	50
Bromomethane	50.0	53.9		ug/kg		108	43 - 142	22	50
2-Butanone	250	297		ug/kg		119	61 - 132	26	50
Carbon disulfide	50.0	59.1		ug/kg		118	74 - 135	14	50
Carbon Tetrachloride	50.0	59.2		ug/kg		118	70 - 141	17	50
Chlorobenzene	50.0	52.9		ug/kg		106	84 - 125	1	50
Chlorodibromomethane	50.0	49.3		ug/kg		99	66 - 134	3	50
Chloroethane	50.0	58.0		ug/kg		116	53 - 144	10	50
Chloroform	50.0	52.5		ug/kg		105	76 - 130	18	49
Chloromethane	50.0	55.0		ug/kg		110	23 - 150	29	50
Cyclohexane	50.0	58.4		ug/kg		117	70 - 133	16	50
1,2-Dibromo-3-chloropropane	50.0	49.2		ug/kg		98	49 - 142	6	50
1,2-Dibromoethane (EDB)	50.0	58.2		ug/kg		116	80 - 135	3	50
Methylcyclohexane	50.0	60.1		ug/kg		120	69 - 140	48	50
1,2-Dichlorobenzene	50.0	51.6		ug/kg		103	80 - 134	4	50
1,3-Dichlorobenzene	50.0	52.4		ug/kg		105	79 - 137	5	50
1,4-Dichlorobenzene	50.0	51.7		ug/kg		103	77 - 139	4	50
Dichlorodifluoromethane	50.0	48.6	R2	ug/kg		97	12 - 144	55	50
1,2-Dichloroethane	50.0	52.1		ug/kg		104	65 - 134	18	50
1,1-Dichloroethane	50.0	55.6		ug/kg		111	75 - 124	18	50
1,1-Dichloroethene	50.0	57.2		ug/kg		114	75 - 131	18	50
trans-1,2-Dichloroethene	50.0	55.4		ug/kg		111	76 - 128	17	50
1,1,2-Trifluoro-trichloroethane	50.0	55.6		ug/kg		111	67 - 136	17	50
cis-1,2-Dichloroethene	50.0	55.2		ug/kg		110	75 - 125	17	50
1,2-Dichloropropane	50.0	54.1		ug/kg		108	69 - 120	22	50
trans-1,3-Dichloropropene	50.0	51.3		ug/kg		103	62 - 139	2	50
cis-1,3-Dichloropropene	50.0	54.6		ug/kg		109	73 - 148	4	50
Ethylbenzene	50.0	55.6		ug/kg		111	80 - 134	3	50
2-Hexanone	250	307		ug/kg		123	57 - 148	8	50
Isopropylbenzene	50.0	62.2		ug/kg		124	80 - 150	6	50
Methyl Acetate	50.0	56.0		ug/kg		112	11 - 170	17	50
Methyl tert-Butyl Ether	50.0	60.1		ug/kg		120	70 - 136	18	50

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-BSD1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Methylene Chloride	50.0	61.2		ug/kg		122	68 - 144	12	50	
4-Methyl-2-pentanone	250	301		ug/kg		120	59 - 138	6	50	
Styrene	50.0	56.7		ug/kg		113	82 - 137	5	50	
1,1,1,2-Tetrachloroethane	50.0	55.4		ug/kg		111	66 - 134	3	50	
Tetrachloroethene	50.0	53.6		ug/kg		107	78 - 140	1	50	
Toluene	50.0	54.5		ug/kg		109	80 - 132	0.05	50	
1,2,4-Trichlorobenzene	50.0	59.6		ug/kg		119	62 - 150	1	50	
1,2,3-Trichlorobenzene	50.0	57.0		ug/kg		114	70 - 150	1	50	
1,1,1-Trichloroethane	50.0	57.0		ug/kg		114	72 - 140	17	50	
1,1,2-Trichloroethane	50.0	54.4		ug/kg		109	78 - 128	2	50	
Trichloroethene	50.0	57.5		ug/kg		115	77 - 127	39	50	
Trichlorofluoromethane	50.0	54.7		ug/kg		109	50 - 140	15	50	
Vinyl chloride	50.0	57.5		ug/kg		115	47 - 136	42	50	
Xylenes, total	150	163		ug/kg		109	80 - 137	3	50	

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
1,2-Dichloroethane-d4	98		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	104		70 - 130

**Lab Sample ID: 11K4251-MS1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	<24.9		249	349		mg/kg wet		140	19 - 175	
Benzene	<1.09		49.7	45.7		mg/kg wet		92	31 - 143	
Bromochloromethane	<1.19		49.7	50.0		mg/kg wet		101	31 - 141	
Bromodichloromethane	<0.994		49.7	41.2		mg/kg wet		83	19 - 148	
Bromoform	<0.994		49.7	48.9		mg/kg wet		98	10 - 165	
Bromomethane	<1.19		49.7	28.6		mg/kg wet		58	10 - 164	
2-Butanone	<24.9		249	258		mg/kg wet		104	18 - 153	
Carbon disulfide	<3.58		49.7	50.2		mg/kg wet		101	32 - 144	
Carbon Tetrachloride	<0.994		49.7	46.9		mg/kg wet		94	31 - 149	
Chlorobenzene	<1.09		49.7	53.8		mg/kg wet		108	25 - 152	
Chlorodibromomethane	<0.994		49.7	43.5		mg/kg wet		88	14 - 146	
Chloroethane	<2.49		49.7	33.7		mg/kg wet		68	10 - 151	
Chloroform	<1.29		49.7	42.7		mg/kg wet		86	34 - 160	
Chloromethane	<1.09		49.7	42.4		mg/kg wet		85	10 - 156	
Cyclohexane	4.98		49.7	53.0		mg/kg wet		97	32 - 158	
1,2-Dibromo-3-chloropropane	<2.49		49.7	37.5		mg/kg wet		76	10 - 147	
1,2-Dibromoethane (EDB)	<0.994		49.7	55.1		mg/kg wet		111	18 - 156	
Methylcyclohexane	7.03		49.7	64.4		mg/kg wet		115	29 - 167	
1,2-Dichlorobenzene	<0.994		49.7	51.3		mg/kg wet		103	10 - 160	
1,3-Dichlorobenzene	<1.19		49.7	52.3		mg/kg wet		105	10 - 162	
1,4-Dichlorobenzene	<1.09		49.7	51.3		mg/kg wet		103	11 - 159	
Dichlorodifluoromethane	<1.39		49.7	26.0		mg/kg wet		52	10 - 143	
1,2-Dichloroethane	<1.09		49.7	41.6		mg/kg wet		84	28 - 138	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K4251-MS1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,1-Dichloroethane	<1.29		49.7	45.8		mg/kg wet		92	42 - 136	
1,1-Dichloroethene	<1.19		49.7	48.9		mg/kg wet		98	41 - 143	
trans-1,2-Dichloroethene	<1.29		49.7	45.5		mg/kg wet		91	39 - 140	
1,1,2-Trifluorotrchloroethane	<1.09		49.7	49.7		mg/kg wet		100	42 - 147	
cis-1,2-Dichloroethene	<1.09		49.7	45.0		mg/kg wet		90	36 - 139	
1,2-Dichloropropane	<0.994		49.7	44.2		mg/kg wet		89	20 - 146	
trans-1,3-Dichloropropene	<0.994		49.7	51.9		mg/kg wet		105	10 - 157	
cis-1,3-Dichloropropene	<0.994		49.7	53.6		mg/kg wet		108	15 - 166	
Ethylbenzene	<1.09		49.7	57.7		mg/kg wet		116	23 - 161	
2-Hexanone	<24.9		249	279		mg/kg wet		112	10 - 169	
Isopropylbenzene	1.15		49.7	66.6		mg/kg wet		132	23 - 181	
Methyl Acetate	<4.97		49.7	58.6		mg/kg wet		118	10 - 200	
Methyl tert-Butyl Ether	<0.994		49.7	49.6		mg/kg wet		100	28 - 141	
Methylene Chloride	<4.97		49.7	48.0		mg/kg wet		97	24 - 182	
4-Methyl-2-pentanone	<24.9		249	266		mg/kg wet		107	10 - 168	
Styrene	<1.09		49.7	58.5		mg/kg wet		118	10 - 165	
1,1,2,2-Tetrachloroethane	<0.994		49.7	51.2		mg/kg wet		103	10 - 162	
Tetrachloroethene	<1.29		49.7	60.0		mg/kg wet		121	33 - 161	
Toluene	<1.09		49.7	55.1		mg/kg wet		111	30 - 155	
1,2,4-Trichlorobenzene	<1.19		49.7	54.6		mg/kg wet		110	10 - 167	
1,2,3-Trichlorobenzene	<1.09		49.7	49.9		mg/kg wet		100	10 - 157	
1,1,1-Trichloroethane	<0.994		49.7	48.4		mg/kg wet		97	35 - 149	
1,1,2-Trichloroethane	<2.49		49.7	58.7		mg/kg wet		118	19 - 157	
Trichloroethene	<0.994		49.7	51.6		mg/kg wet		104	27 - 153	
Trichlorofluoromethane	<0.994		49.7	42.2		mg/kg wet		85	25 - 137	
Vinyl chloride	<0.994		49.7	32.8		mg/kg wet		66	20 - 141	
Xylenes, total	<2.49		149	170		mg/kg wet		114	25 - 162	
		<b>Matrix Spike</b>	<b>Matrix Spike</b>							
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
1,2-Dichloroethane-d4		74		70 - 130						
Dibromofluoromethane		82		70 - 130						
Toluene-d8		101		70 - 130						
4-Bromofluorobenzene		101		70 - 130						

**Lab Sample ID: 11K4251-MSD1**

**Matrix: Soil**

**Analysis Batch: U020516**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K4251\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	<24.9		249	341		mg/kg wet		137	19 - 175	2	50	
Benzene	<1.09		49.7	47.7		mg/kg wet		96	31 - 143	4	50	
Bromochloromethane	<1.19		49.7	49.4		mg/kg wet		99	31 - 141	1	50	
Bromodichloromethane	<0.994		49.7	42.7		mg/kg wet		86	19 - 148	4	50	
Bromoform	<0.994		49.7	51.4		mg/kg wet		104	10 - 165	5	50	
Bromomethane	<1.19		49.7	28.6		mg/kg wet		58	10 - 164	0.1	50	
2-Butanone	<24.9		249	277		mg/kg wet		111	18 - 153	7	50	
Carbon disulfide	<3.58		49.7	51.3		mg/kg wet		103	32 - 144	2	50	
Carbon Tetrachloride	<0.994		49.7	50.1		mg/kg wet		101	31 - 149	6	50	
Chlorobenzene	<1.09		49.7	55.5		mg/kg wet		112	25 - 152	3	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K4251-MSD1

Matrix: Soil

Analysis Batch: U020516

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11K4251\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Chlorodibromomethane	<0.994		49.7	43.9		mg/kg wet		88	14 - 146	1	50	
Chloroethane	<2.49		49.7	46.7		mg/kg wet		94	10 - 151	32	50	
Chloroform	<1.29		49.7	44.6		mg/kg wet		90	34 - 160	4	49	
Chloromethane	<1.09		49.7	46.8		mg/kg wet		94	10 - 156	10	50	
Cyclohexane	4.98		49.7	55.6		mg/kg wet		102	32 - 158	5	50	
1,2-Dibromo-3-chloropropane	<2.49		49.7	42.1		mg/kg wet		85	10 - 147	11	50	
1,2-Dibromoethane (EDB)	<0.994		49.7	58.1		mg/kg wet		117	18 - 156	5	50	
Methylcyclohexane	7.03		49.7	66.9		mg/kg wet		120	29 - 167	4	50	
1,2-Dichlorobenzene	<0.994		49.7	52.6		mg/kg wet		106	10 - 160	3	50	
1,3-Dichlorobenzene	<1.19		49.7	55.1		mg/kg wet		111	10 - 162	5	50	
1,4-Dichlorobenzene	<1.09		49.7	54.1		mg/kg wet		109	11 - 159	5	50	
Dichlorodifluoromethane	<1.39		49.7	29.0		mg/kg wet		58	10 - 143	11	50	
1,2-Dichloroethane	<1.09		49.7	43.7		mg/kg wet		88	28 - 138	5	50	
1,1-Dichloroethane	<1.29		49.7	47.1		mg/kg wet		95	42 - 136	3	50	
1,1-Dichloroethene	<1.19		49.7	50.4		mg/kg wet		101	41 - 143	3	50	
trans-1,2-Dichloroethene	<1.29		49.7	48.0		mg/kg wet		97	39 - 140	5	50	
1,1,2-Trifluoroethane	<1.09		49.7	51.8		mg/kg wet		104	42 - 147	4	50	
cis-1,2-Dichloroethene	<1.09		49.7	47.7		mg/kg wet		96	36 - 139	6	50	
1,2-Dichloropropane	<0.994		49.7	46.4		mg/kg wet		93	20 - 146	5	50	
trans-1,3-Dichloropropene	<0.994		49.7	52.4		mg/kg wet		105	10 - 157	0.9	50	
cis-1,3-Dichloropropene	<0.994		49.7	55.2		mg/kg wet		111	15 - 166	3	50	
Ethylbenzene	<1.09		49.7	59.3		mg/kg wet		119	23 - 161	3	50	
2-Hexanone	<24.9		249	290		mg/kg wet		117	10 - 169	4	50	
Isopropylbenzene	1.15		49.7	69.8		mg/kg wet		138	23 - 181	5	50	
Methyl Acetate	<4.97		49.7	65.6		mg/kg wet		132	10 - 200	11	50	
Methyl tert-Butyl Ether	<0.994		49.7	52.3		mg/kg wet		105	28 - 141	5	50	
Methylene Chloride	<4.97		49.7	47.7		mg/kg wet		96	24 - 182	0.6	50	
4-Methyl-2-pentanone	<24.9		249	276		mg/kg wet		111	10 - 168	4	50	
Styrene	<1.09		49.7	60.3		mg/kg wet		121	10 - 165	3	50	
1,1,2,2-Tetrachloroethane	<0.994		49.7	54.3		mg/kg wet		109	10 - 162	6	50	
Tetrachloroethene	<1.29		49.7	60.9		mg/kg wet		122	33 - 161	1	50	
Toluene	<1.09		49.7	55.9		mg/kg wet		112	30 - 155	1	50	
1,2,4-Trichlorobenzene	<1.19		49.7	60.5		mg/kg wet		122	10 - 167	10	50	
1,2,3-Trichlorobenzene	<1.09		49.7	55.4		mg/kg wet		112	10 - 157	11	50	
1,1,1-Trichloroethane	<0.994		49.7	50.4		mg/kg wet		101	35 - 149	4	50	
1,1,2-Trichloroethane	<2.49		49.7	59.0		mg/kg wet		119	19 - 157	0.6	50	
Trichloroethene	<0.994		49.7	54.5		mg/kg wet		110	27 - 153	6	50	
Trichlorofluoromethane	<0.994		49.7	48.4		mg/kg wet		97	25 - 137	14	50	
Vinyl chloride	<0.994		49.7	50.6		mg/kg wet		102	20 - 141	43	50	
Xylenes, total	<2.49		149	174		mg/kg wet		117	25 - 162	2	50	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	78		70 - 130
Dibromofluoromethane	85		70 - 130
Toluene-d8	100		70 - 130
4-Bromofluorobenzene	104		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

**Lab Sample ID: 11K3448-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Carbazole	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Chrysene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Fluorene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Isophorone	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Phenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	110		13 - 120	11/14/11 12:40	11/14/11 22:51	1.00
2,4,6-Tribromophenol	86		10 - 120	11/14/11 12:40	11/14/11 22:51	1.00
Phenol-d5	29		10 - 120	11/14/11 12:40	11/14/11 22:51	1.00
2-Fluorobiphenyl	76		29 - 120	11/14/11 12:40	11/14/11 22:51	1.00
2-Fluorophenol	47		10 - 120	11/14/11 12:40	11/14/11 22:51	1.00
Nitrobenzene-d5	93		27 - 120	11/14/11 12:40	11/14/11 22:51	1.00

**Lab Sample ID: 11K3448-BS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	50.0	46.7		ug/L		93	46 - 120
Acenaphthylene	50.0	43.4		ug/L		87	48 - 120
Anthracene	50.0	48.8		ug/L		98	58 - 130
Benzo (a) anthracene	50.0	49.5		ug/L		99	57 - 120
Benzo (a) pyrene	50.0	55.0		ug/L		110	57 - 124
Benzo (b) fluoranthene	50.0	48.4		ug/L		97	51 - 125
Benzo (g,h,i) perylene	50.0	50.6		ug/L		101	51 - 123
Benzo (k) fluoranthene	50.0	51.5		ug/L		103	51 - 120
4-Bromophenyl phenyl ether	50.0	47.3		ug/L		95	47 - 127
Butyl benzyl phthalate	50.0	50.4		ug/L		101	51 - 146
Carbazole	50.0	49.5		ug/L		99	54 - 123
4-Chloro-3-methylphenol	50.0	44.7		ug/L		89	44 - 120
4-Chloroaniline	50.0	46.2		ug/L		92	44 - 120
Bis(2-chloroethoxy)methane	50.0	42.2		ug/L		84	44 - 120
Bis(2-chloroethyl)ether	50.0	43.1		ug/L		86	47 - 120
Bis(2-chloroisopropyl)ether	50.0	43.4		ug/L		87	44 - 120
2-Chloronaphthalene	50.0	38.1		ug/L		76	39 - 120
2-Chlorophenol	50.0	43.3		ug/L		87	40 - 120
4-Chlorophenyl phenyl ether	50.0	46.6		ug/L		93	50 - 120
Chrysene	50.0	46.0		ug/L		92	55 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3448-BS1

Matrix: Water

Analysis Batch: 11K3448

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11K3448\_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Dibenz (a,h) anthracene	50.0	51.7		ug/L		103	50 - 125
Dibenzofuran	50.0	47.9		ug/L		96	50 - 120
Di-n-butyl phthalate	50.0	47.2		ug/L		94	54 - 140
1,4-Dichlorobenzene	50.0	32.2		ug/L		64	31 - 120
1,2-Dichlorobenzene	50.0	33.7		ug/L		67	32 - 120
1,3-Dichlorobenzene	50.0	32.3		ug/L		65	32 - 120
3,3-Dichlorobenzidine	50.0	55.1		ug/L		110	46 - 129
2,4-Dichlorophenol	50.0	42.2		ug/L		84	38 - 120
Diethyl phthalate	50.0	45.3		ug/L		91	54 - 128
2,4-Dimethylphenol	50.0	44.3		ug/L		89	21 - 126
Dimethyl phthalate	50.0	47.0		ug/L		94	53 - 127
4,6-Dinitro-2-methylphenol	50.0	52.1		ug/L		104	19 - 150
2,4-Dinitrophenol	50.0	51.7		ug/L		103	20 - 150
2,6-Dinitrotoluene	50.0	47.5		ug/L		95	54 - 128
2,4-Dinitrotoluene	50.0	47.5		ug/L		95	46 - 132
Di-n-octyl phthalate	50.0	51.4		ug/L		103	50 - 142
Bis(2-ethylhexyl)phthalate	50.0	48.2		ug/L		96	47 - 138
Fluoranthene	50.0	48.4		ug/L		97	56 - 120
Fluorene	50.0	48.2		ug/L		96	52 - 120
Hexachlorobenzene	50.0	48.6		ug/L		97	48 - 131
Hexachlorobutadiene	50.0	38.0		ug/L		76	28 - 120
Hexachlorocyclopentadiene	50.0	26.8		ug/L		54	17 - 120
Hexachloroethane	50.0	36.0		ug/L		72	30 - 120
Indeno (1,2,3-cd) pyrene	50.0	51.1		ug/L		102	54 - 125
Isophorone	50.0	40.9		ug/L		82	47 - 120
2-Methylnaphthalene	50.0	40.0		ug/L		80	31 - 120
2-Methylphenol	50.0	35.9		ug/L		72	38 - 120
Naphthalene	50.0	42.2		ug/L		84	37 - 120
3/4-Methylphenol	50.0	32.8		ug/L		66	33 - 120
3-Nitroaniline	50.0	57.5		ug/L		115	54 - 121
2-Nitroaniline	50.0	53.7		ug/L		107	46 - 131
4-Nitroaniline	50.0	56.4		ug/L		113	55 - 123
Nitrobenzene	50.0	39.2		ug/L		78	36 - 120
4-Nitrophenol	50.0	21.4	J	ug/L		43	10 - 120
2-Nitrophenol	50.0	49.6		ug/L		99	32 - 120
N-Nitrosodiphenylamine	50.0	55.8		ug/L		112	58 - 149
N-Nitrosodi-n-propylamine	50.0	47.8		ug/L		96	51 - 120
Pentachlorophenol	50.0	57.9		ug/L		116	21 - 150
Phenanthrene	50.0	47.4		ug/L		95	56 - 120
Phenol	50.0	20.2		ug/L		40	14 - 120
Pyrene	50.0	48.2		ug/L		96	53 - 129
1,2,4-Trichlorobenzene	50.0	31.5		ug/L		63	30 - 120
2,4,6-Trichlorophenol	50.0	50.5		ug/L		101	39 - 135
2,4,5-Trichlorophenol	50.0	46.1		ug/L		92	40 - 129

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	102		13 - 120
2,4,6-Tribromophenol	86		10 - 120
Phenol-d5	30		10 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-BS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	81		29 - 120
2-Fluorophenol	48		10 - 120
Nitrobenzene-d5	86		27 - 120

**Lab Sample ID: 11K3448-BSD1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Acenaphthene	50.0	47.2		ug/L		94	46 - 120	1	31	
Acenaphthylene	50.0	44.6		ug/L		89	48 - 120	3	31	
Anthracene	50.0	50.6		ug/L		101	58 - 130	4	28	
Benzo (a) anthracene	50.0	49.7		ug/L		99	57 - 120	0.3	27	
Benzo (a) pyrene	50.0	54.7		ug/L		109	57 - 124	0.6	27	
Benzo (b) fluoranthene	50.0	52.7		ug/L		105	51 - 125	8	39	
Benzo (g,h,i) perylene	50.0	51.6		ug/L		103	51 - 123	2	27	
Benzo (k) fluoranthene	50.0	48.0		ug/L		96	51 - 120	7	32	
4-Bromophenyl phenyl ether	50.0	48.6		ug/L		97	47 - 127	3	29	
Butyl benzyl phthalate	50.0	51.4		ug/L		103	51 - 146	2	31	
Carbazole	50.0	50.7		ug/L		101	54 - 123	2	29	
4-Chloro-3-methylphenol	50.0	46.3		ug/L		93	44 - 120	3	22	
4-Chloroaniline	50.0	50.2		ug/L		100	44 - 120	8	26	
Bis(2-chloroethoxy)methane	50.0	44.4		ug/L		89	44 - 120	5	31	
Bis(2-chloroethyl)ether	50.0	47.1		ug/L		94	47 - 120	9	38	
Bis(2-chloroisopropyl)ether	50.0	47.7		ug/L		95	44 - 120	10	36	
2-Chloronaphthalene	50.0	39.1		ug/L		78	39 - 120	3	36	
2-Chlorophenol	50.0	47.2		ug/L		94	40 - 120	9	46	
4-Chlorophenyl phenyl ether	50.0	47.7		ug/L		95	50 - 120	2	29	
Chrysene	50.0	47.2		ug/L		94	55 - 120	3	27	
Dibenz (a,h) anthracene	50.0	52.5		ug/L		105	50 - 125	1	28	
Dibenzofuran	50.0	48.6		ug/L		97	50 - 120	2	29	
Di-n-butyl phthalate	50.0	47.9		ug/L		96	54 - 140	2	27	
1,4-Dichlorobenzene	50.0	35.5		ug/L		71	31 - 120	10	44	
1,2-Dichlorobenzene	50.0	36.6		ug/L		73	32 - 120	8	42	
1,3-Dichlorobenzene	50.0	35.3		ug/L		71	32 - 120	9	42	
3,3-Dichlorobenzidine	50.0	55.5		ug/L		111	46 - 129	0.8	30	
2,4-Dichlorophenol	50.0	44.2		ug/L		88	38 - 120	5	30	
Diethyl phthalate	50.0	46.0		ug/L		92	54 - 128	2	28	
2,4-Dimethylphenol	50.0	47.1		ug/L		94	21 - 126	6	48	
Dimethyl phthalate	50.0	48.8		ug/L		98	53 - 127	4	27	
4,6-Dinitro-2-methylphenol	50.0	53.0		ug/L		106	19 - 150	2	34	
2,4-Dinitrophenol	50.0	51.8		ug/L		104	20 - 150	0.06	31	
2,6-Dinitrotoluene	50.0	48.9		ug/L		98	54 - 128	3	29	
2,4-Dinitrotoluene	50.0	48.9		ug/L		98	46 - 132	3	26	
Di-n-octyl phthalate	50.0	52.0		ug/L		104	50 - 142	1	28	
Bis(2-ethylhexyl)phthalate	50.0	48.5		ug/L		97	47 - 138	0.6	28	
Fluoranthene	50.0	49.4		ug/L		99	56 - 120	2	28	
Fluorene	50.0	49.6		ug/L		99	52 - 120	3	28	
Hexachlorobenzene	50.0	50.0		ug/L		100	48 - 131	3	28	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-BSD1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Hexachlorobutadiene	50.0	39.9		ug/L		80	28 - 120	5	43	
Hexachlorocyclopentadiene	50.0	27.7		ug/L		55	17 - 120	3	43	
Hexachloroethane	50.0	39.4		ug/L		79	30 - 120	9	45	
Indeno (1,2,3-cd) pyrene	50.0	51.8		ug/L		104	54 - 125	1	27	
Isophorone	50.0	42.4		ug/L		85	47 - 120	4	31	
2-Methylnaphthalene	50.0	41.7		ug/L		83	31 - 120	4	35	
2-Methylphenol	50.0	38.7		ug/L		77	38 - 120	8	32	
Naphthalene	50.0	44.6		ug/L		89	37 - 120	5	37	
3/4-Methylphenol	50.0	34.7		ug/L		69	33 - 120	6	34	
3-Nitroaniline	50.0	59.4		ug/L		119	54 - 121	3	26	
2-Nitroaniline	50.0	55.1		ug/L		110	46 - 131	3	24	
4-Nitroaniline	50.0	57.6		ug/L		115	55 - 123	2	26	
Nitrobenzene	50.0	41.0		ug/L		82	36 - 120	5	28	
4-Nitrophenol	50.0	20.5	J	ug/L		41	10 - 120	5	38	
2-Nitrophenol	50.0	51.5		ug/L		103	32 - 120	4	31	
N-Nitrosodiphenylamine	50.0	57.7		ug/L		115	58 - 149	3	26	
N-Nitrosodi-n-propylamine	50.0	52.0		ug/L		104	51 - 120	8	37	
Pentachlorophenol	50.0	59.5		ug/L		119	21 - 150	3	31	
Phenanthrene	50.0	48.7		ug/L		97	56 - 120	3	26	
Phenol	50.0	21.0		ug/L		42	14 - 120	4	42	
Pyrene	50.0	48.8		ug/L		98	53 - 129	1	29	
1,2,4-Trichlorobenzene	50.0	33.6		ug/L		67	30 - 120	6	35	
2,4,6-Trichlorophenol	50.0	51.1		ug/L		102	39 - 135	1	40	
2,4,5-Trichlorophenol	50.0	47.6		ug/L		95	40 - 129	3	34	

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
Terphenyl-d14	106		13 - 120
2,4,6-Tribromophenol	90		10 - 120
Phenol-d5	31		10 - 120
2-Fluorobiphenyl	83		29 - 120
2-Fluorophenol	52		10 - 120
Nitrobenzene-d5	92		27 - 120

**Lab Sample ID: 11K3448-MS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acenaphthene	2.06		49.5	48.4		ug/L		94	46 - 120	
Acenaphthylene	<0.990		49.5	42.2		ug/L		85	48 - 120	
Anthracene	<0.990		49.5	47.5		ug/L		96	56 - 130	
Benzo (a) anthracene	<0.990		49.5	46.8		ug/L		95	57 - 122	
Benzo (a) pyrene	<0.990		49.5	50.3		ug/L		102	46 - 138	
Benzo (b) fluoranthene	<0.990		49.5	52.6		ug/L		106	45 - 138	
Benzo (g,h,i) perylene	<0.990		49.5	48.6		ug/L		98	48 - 137	
Benzo (k) fluoranthene	<0.990		49.5	40.2		ug/L		81	44 - 134	
4-Bromophenyl phenyl ether	<4.95		49.5	46.8		ug/L		95	47 - 127	
Butyl benzyl phthalate	<4.95		49.5	50.8		ug/L		103	51 - 146	
Carbazole	<4.95		49.5	48.8		ug/L		98	53 - 123	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3448-MS1

Matrix: Water

Analysis Batch: 11K3448

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11K3448\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
4-Chloro-3-methylphenol	<4.95		49.5	47.6		ug/L		96		38 - 120
4-Chloroaniline	<4.95		49.5	39.5		ug/L		80		35 - 120
Bis(2-chloroethoxy)methane	<4.95		49.5	41.4		ug/L		84		41 - 120
Bis(2-chloroethyl)ether	<4.95		49.5	42.4		ug/L		86		42 - 120
Bis(2-chloroisopropyl)ether	<4.95		49.5	43.0		ug/L		87		44 - 120
2-Chloronaphthalene	<4.95		49.5	38.3		ug/L		77		39 - 120
2-Chlorophenol	<4.95		49.5	43.0		ug/L		87		40 - 120
4-Chlorophenyl phenyl ether	<4.95		49.5	44.7		ug/L		90		50 - 120
Chrysene	<0.990		49.5	42.6		ug/L		86		54 - 123
Dibenz (a,h) anthracene	<0.990		49.5	48.4		ug/L		98		50 - 136
Dibenzofuran	<4.95		49.5	46.7		ug/L		94		50 - 120
Di-n-butyl phthalate	<4.95		49.5	47.6		ug/L		96		54 - 140
1,4-Dichlorobenzene	<4.95		49.5	33.9		ug/L		68		31 - 120
1,2-Dichlorobenzene	<4.95		49.5	35.9		ug/L		73		29 - 120
1,3-Dichlorobenzene	<4.95		49.5	34.2		ug/L		69		27 - 120
3,3-Dichlorobenzidine	<4.95		49.5	<4.95	M8	ug/L				10 - 130
2,4-Dichlorophenol	<4.95		49.5	43.0		ug/L		87		38 - 120
Diethyl phthalate	<4.95		49.5	43.8		ug/L		89		53 - 128
2,4-Dimethylphenol	<4.95		49.5	45.7		ug/L		92		11 - 130
Dimethyl phthalate	<4.95		49.5	45.2		ug/L		91		53 - 127
4,6-Dinitro-2-methylphenol	<12.9		49.5	56.9		ug/L		115		10 - 157
2,4-Dinitrophenol	<12.9		49.5	70.2		ug/L		142		10 - 176
2,6-Dinitrotoluene	<4.95		49.5	47.8		ug/L		97		54 - 128
2,4-Dinitrotoluene	<4.95		49.5	47.8		ug/L		97		46 - 134
Di-n-octyl phthalate	<4.95		49.5	51.0		ug/L		103		50 - 142
Bis(2-ethylhexyl)phthalate	<4.95		49.5	49.2		ug/L		99		44 - 138
Fluoranthene	<0.990		49.5	47.8		ug/L		96		56 - 120
Fluorene	1.17		49.5	47.0		ug/L		93		52 - 120
Hexachlorobenzene	<4.95		49.5	47.5		ug/L		96		48 - 131
Hexachlorobutadiene	<4.95		49.5	42.1		ug/L		85		24 - 120
Hexachlorocyclopentadiene	<4.95		49.5	27.9		ug/L		56		10 - 120
Hexachloroethane	<4.95		49.5	39.8		ug/L		80		26 - 120
Indeno (1,2,3-cd) pyrene	<0.990		49.5	48.4		ug/L		98		50 - 136
Isophorone	<4.95		49.5	40.0		ug/L		81		42 - 120
2-Methylnaphthalene	<0.990		49.5	41.9		ug/L		85		31 - 120
2-Methylphenol	<4.95		49.5	36.6		ug/L		74		36 - 120
Naphthalene	<0.990		49.5	43.8		ug/L		88		32 - 120
3/4-Methylphenol	<4.95		49.5	32.4		ug/L		66		32 - 120
3-Nitroaniline	<12.9		49.5	50.7		ug/L		102		38 - 121
2-Nitroaniline	<12.9		49.5	53.4		ug/L		108		46 - 131
4-Nitroaniline	<12.9		49.5	55.7		ug/L		113		47 - 124
Nitrobenzene	<4.95		49.5	38.8		ug/L		78		36 - 120
4-Nitrophenol	<4.95		49.5	22.3	J	ug/L		45		10 - 120
2-Nitrophenol	<4.95		49.5	<4.95	M8	ug/L				32 - 120
N-Nitrosodiphenylamine	<4.95		49.5	56.4		ug/L		114		45 - 149
N-Nitrosodi-n-propylamine	<4.95		49.5	46.9		ug/L		95		50 - 121
Pentachlorophenol	<12.9		49.5	64.3		ug/L		130		21 - 159
Phenanthrene	<0.990		49.5	46.8		ug/L		94		53 - 120
Phenol	<4.95		49.5	19.6		ug/L		40		10 - 120
Pyrene	<0.990		49.5	46.6		ug/L		94		50 - 129

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-MS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,2,4-Trichlorobenzene	<4.95		49.5	34.1		ug/L		69	27 - 120	
2,4,6-Trichlorophenol	<4.95		49.5	50.1		ug/L		101	39 - 135	
2,4,5-Trichlorophenol	<12.9		49.5	45.4		ug/L		92	40 - 129	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Terphenyl-d14	92		13 - 120
2,4,6-Tribromophenol	92		10 - 120
Phenol-d5	31		10 - 120
2-Fluorobiphenyl	79		29 - 120
2-Fluorophenol	48		10 - 120
Nitrobenzene-d5	86		27 - 120

**Lab Sample ID: 11K3448-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
Acenaphthene	2.06		49.0	43.2		ug/L		84	46 - 120	11	31		
Acenaphthylene	<0.990		49.0	38.2		ug/L		78	48 - 120	10	31		
Anthracene	<0.990		49.0	42.5		ug/L		87	56 - 130	11	28		
Benzo (a) anthracene	<0.990		49.0	41.2		ug/L		84	57 - 122	13	27		
Benzo (a) pyrene	<0.990		49.0	45.2		ug/L		92	46 - 138	11	27		
Benzo (b) fluoranthene	<0.990		49.0	46.7		ug/L		95	45 - 138	12	39		
Benzo (g,h,i) perylene	<0.990		49.0	43.2		ug/L		88	48 - 137	12	27		
Benzo (k) fluoranthene	<0.990		49.0	36.5		ug/L		74	44 - 134	10	32		
4-Bromophenyl phenyl ether	<4.95		49.0	40.9		ug/L		83	47 - 127	14	29		
Butyl benzyl phthalate	<4.95		49.0	44.8		ug/L		91	51 - 146	13	31		
Carbazole	<4.95		49.0	42.9		ug/L		88	53 - 123	13	29		
4-Chloro-3-methylphenol	<4.95		49.0	43.8		ug/L		89	38 - 120	8	22		
4-Chloroaniline	<4.95		49.0	38.8		ug/L		79	35 - 120	2	26		
Bis(2-chloroethoxy)methane	<4.95		49.0	38.2		ug/L		78	41 - 120	8	31		
Bis(2-chloroethyl)ether	<4.95		49.0	40.1		ug/L		82	42 - 120	5	38		
Bis(2-chloroisopropyl)ether	<4.95		49.0	40.5		ug/L		83	44 - 120	6	36		
2-Chloronaphthalene	<4.95		49.0	34.6		ug/L		71	39 - 120	10	36		
2-Chlorophenol	<4.95		49.0	40.4		ug/L		82	40 - 120	6	46		
4-Chlorophenyl phenyl ether	<4.95		49.0	40.1		ug/L		82	50 - 120	11	29		
Chrysene	<0.990		49.0	38.5		ug/L		78	54 - 123	10	27		
Dibenz (a,h) anthracene	<0.990		49.0	43.6		ug/L		89	50 - 136	11	28		
Dibenzofuran	<4.95		49.0	42.1		ug/L		86	50 - 120	10	29		
Di-n-butyl phthalate	<4.95		49.0	41.5		ug/L		85	54 - 140	14	27		
1,4-Dichlorobenzene	<4.95		49.0	32.4		ug/L		66	31 - 120	4	44		
1,2-Dichlorobenzene	<4.95		49.0	33.8		ug/L		69	29 - 120	6	42		
1,3-Dichlorobenzene	<4.95		49.0	32.6		ug/L		66	27 - 120	5	42		
3,3-Dichlorobenzidine	<4.95		49.0	<4.90	M8	ug/L			10 - 130		30		
2,4-Dichlorophenol	<4.95		49.0	39.3		ug/L		80	38 - 120	9	30		
Diethyl phthalate	<4.95		49.0	39.5		ug/L		81	53 - 128	10	28		
2,4-Dimethylphenol	<4.95		49.0	42.0		ug/L		86	11 - 130	8	48		
Dimethyl phthalate	<4.95		49.0	40.9		ug/L		83	53 - 127	10	27		
4,6-Dinitro-2-methylphenol	<12.9		49.0	50.5		ug/L		103	10 - 157	12	34		

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
2,4-Dinitrophenol	<12.9		49.0	62.9		ug/L		128	10 - 176	11	31	
2,6-Dinitrotoluene	<4.95		49.0	42.0		ug/L		86	54 - 128	13	29	
2,4-Dinitrotoluene	<4.95		49.0	42.0		ug/L		86	46 - 134	13	26	
Di-n-octyl phthalate	<4.95		49.0	45.5		ug/L		93	50 - 142	11	28	
Bis(2-ethylhexyl)phthalate	<4.95		49.0	43.7		ug/L		89	44 - 138	12	28	
Fluoranthene	<0.990		49.0	42.4		ug/L		87	56 - 120	12	28	
Fluorene	1.17		49.0	42.1		ug/L		84	52 - 120	11	28	
Hexachlorobenzene	<4.95		49.0	42.1		ug/L		86	48 - 131	12	28	
Hexachlorobutadiene	<4.95		49.0	37.7		ug/L		77	24 - 120	11	43	
Hexachlorocyclopentadiene	<4.95		49.0	24.1		ug/L		49	10 - 120	15	43	
Hexachloroethane	<4.95		49.0	38.0		ug/L		77	26 - 120	5	45	
Indeno (1,2,3-cd) pyrene	<0.990		49.0	43.3		ug/L		88	50 - 136	11	27	
Isophorone	<4.95		49.0	37.0		ug/L		75	42 - 120	8	31	
2-Methylnaphthalene	<0.990		49.0	37.9		ug/L		77	31 - 120	10	35	
2-Methylphenol	<4.95		49.0	33.7		ug/L		69	36 - 120	8	32	
Naphthalene	<0.990		49.0	40.5		ug/L		83	32 - 120	8	37	
3/4-Methylphenol	<4.95		49.0	30.1		ug/L		61	32 - 120	8	34	
3-Nitroaniline	<12.9		49.0	46.0		ug/L		94	38 - 121	10	26	
2-Nitroaniline	<12.9		49.0	49.0		ug/L		100	46 - 131	9	24	
4-Nitroaniline	<12.9		49.0	46.8		ug/L		96	47 - 124	17	26	
Nitrobenzene	<4.95		49.0	36.2		ug/L		74	36 - 120	7	28	
4-Nitrophenol	<4.95		49.0	20.9	J	ug/L		43	10 - 120	6	38	
2-Nitrophenol	<4.95		49.0	46.4		ug/L		95	32 - 120		31	
N-Nitrosodiphenylamine	<4.95		49.0	50.7		ug/L		103	45 - 149	11	26	
N-Nitrosodi-n-propylamine	<4.95		49.0	44.0		ug/L		90	50 - 121	6	37	
Pentachlorophenol	<12.9		49.0	55.1		ug/L		112	21 - 159	15	31	
Phenanthrene	<0.990		49.0	41.5		ug/L		85	53 - 120	12	26	
Phenol	<4.95		49.0	18.9		ug/L		39	10 - 120	3	42	
Pyrene	<0.990		49.0	41.4		ug/L		84	50 - 129	12	29	
1,2,4-Trichlorobenzene	<4.95		49.0	30.6		ug/L		62	27 - 120	11	35	
2,4,6-Trichlorophenol	<4.95		49.0	44.9		ug/L		92	39 - 135	11	40	
2,4,5-Trichlorophenol	<12.9		49.0	41.0		ug/L		84	40 - 129	10	34	

**Matrix Spike Dup    Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
Terphenyl-d14	83		13 - 120
2,4,6-Tribromophenol	80		10 - 120
Phenol-d5	29		10 - 120
2-Fluorobiphenyl	72		29 - 120
2-Fluorophenol	47		10 - 120
Nitrobenzene-d5	83		27 - 120

**Lab Sample ID: 11K3481-BLK1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3481-BLK1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3481-BLK1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		11/15/11 07:52	11/15/11 18:10	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	90		18 - 120	11/15/11 07:52	11/15/11 18:10	1.00
2,4,6-Tribromophenol	69		19 - 120	11/15/11 07:52	11/15/11 18:10	1.00
Phenol-d5	58		18 - 120	11/15/11 07:52	11/15/11 18:10	1.00
2-Fluorobiphenyl	69		14 - 120	11/15/11 07:52	11/15/11 18:10	1.00
2-Fluorophenol	59		17 - 120	11/15/11 07:52	11/15/11 18:10	1.00
Nitrobenzene-d5	63		17 - 120	11/15/11 07:52	11/15/11 18:10	1.00

**Lab Sample ID: 11K3481-BS1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.15		mg/kg wet		69	36 - 120
Acenaphthylene	1.67	1.08		mg/kg wet		65	38 - 120
Anthracene	1.67	1.23		mg/kg wet		74	46 - 124
Benzo (a) anthracene	1.67	1.33		mg/kg wet		80	45 - 120
Benzo (a) pyrene	1.67	1.40		mg/kg wet		84	45 - 120
Benzo (b) fluoranthene	1.67	1.29		mg/kg wet		77	42 - 120
Benzo (g,h,i) perylene	1.67	1.21		mg/kg wet		73	38 - 120
Benzo (k) fluoranthene	1.67	1.28		mg/kg wet		77	42 - 120
4-Bromophenyl phenyl ether	1.67	1.32		mg/kg wet		79	40 - 120
Butyl benzyl phthalate	1.67	1.19		mg/kg wet		72	43 - 133
Carbazole	1.67	1.27		mg/kg wet		76	44 - 120
4-Chloro-3-methylphenol	1.67	1.02		mg/kg wet		61	38 - 120
4-Chloroaniline	1.67	1.11		mg/kg wet		67	35 - 120
Bis(2-chloroethoxy)methane	1.67	0.986		mg/kg wet		59	32 - 120
Bis(2-chloroethyl)ether	1.67	0.994		mg/kg wet		60	31 - 120
Bis(2-chloroisopropyl)ether	1.67	0.994		mg/kg wet		60	32 - 120
2-Chloronaphthalene	1.67	0.965		mg/kg wet		58	34 - 120
2-Chlorophenol	1.67	1.04		mg/kg wet		62	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.32		mg/kg wet		79	42 - 120
Chrysene	1.67	1.27		mg/kg wet		76	43 - 120
Dibenz (a,h) anthracene	1.67	1.10		mg/kg wet		66	32 - 128
Dibenzofuran	1.67	1.26		mg/kg wet		76	41 - 120
Di-n-butyl phthalate	1.67	1.15		mg/kg wet		69	46 - 127
1,4-Dichlorobenzene	1.67	0.929		mg/kg wet		56	32 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3481-BS1

Matrix: Soil

Analysis Batch: 11K3481

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11K3481\_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	1.67	0.933		mg/kg wet		56	33 - 120
1,3-Dichlorobenzene	1.67	0.938		mg/kg wet		56	32 - 120
3,3-Dichlorobenzidine	1.67	1.33		mg/kg wet		80	39 - 120
2,4-Dichlorophenol	1.67	1.08		mg/kg wet		65	32 - 120
Diethyl phthalate	1.67	1.11		mg/kg wet		67	41 - 122
2,4-Dimethylphenol	1.67	1.09		mg/kg wet		65	32 - 120
Dimethyl phthalate	1.67	1.14		mg/kg wet		69	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.39		mg/kg wet		84	27 - 134
2,4-Dinitrophenol	1.67	1.40		mg/kg wet		84	23 - 142
2,6-Dinitrotoluene	1.67	1.18		mg/kg wet		71	43 - 120
2,4-Dinitrotoluene	1.67	1.18		mg/kg wet		71	43 - 120
Di-n-octyl phthalate	1.67	1.09		mg/kg wet		66	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	1.04		mg/kg wet		62	43 - 120
Fluoranthene	1.67	1.37		mg/kg wet		82	46 - 120
Fluorene	1.67	1.25		mg/kg wet		75	42 - 120
Hexachlorobenzene	1.67	1.43		mg/kg wet		86	44 - 120
Hexachlorobutadiene	1.67	1.20		mg/kg wet		72	31 - 120
Hexachlorocyclopentadiene	1.67	0.769		mg/kg wet		46	24 - 120
Hexachloroethane	1.67	0.949		mg/kg wet		57	33 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.12		mg/kg wet		67	41 - 121
Isophorone	1.67	0.928		mg/kg wet		56	33 - 120
2-Methylnaphthalene	1.67	1.09		mg/kg wet		65	28 - 120
2-Methylphenol	1.67	0.954		mg/kg wet		57	36 - 120
3/4-Methylphenol	1.67	0.929		mg/kg wet		56	37 - 120
Naphthalene	1.67	1.18		mg/kg wet		71	32 - 120
3-Nitroaniline	1.67	1.23		mg/kg wet		74	42 - 120
2-Nitroaniline	1.67	1.25		mg/kg wet		75	40 - 120
4-Nitroaniline	1.67	1.31		mg/kg wet		79	43 - 120
Nitrobenzene	1.67	0.844		mg/kg wet		51	26 - 120
4-Nitrophenol	1.67	1.25		mg/kg wet		75	32 - 136
2-Nitrophenol	1.67	1.07		mg/kg wet		64	29 - 120
N-Nitrosodiphenylamine	1.67	1.53		mg/kg wet		92	52 - 140
N-Nitrosodi-n-propylamine	1.67	1.05		mg/kg wet		63	35 - 120
Pentachlorophenol	1.67	1.58		mg/kg wet		95	44 - 134
Phenanthrene	1.67	1.24		mg/kg wet		75	45 - 120
Phenol	1.67	1.05		mg/kg wet		63	30 - 120
Pyrene	1.67	1.34		mg/kg wet		80	43 - 120
1,2,4-Trichlorobenzene	1.67	0.957		mg/kg wet		57	29 - 120
2,4,6-Trichlorophenol	1.67	1.33		mg/kg wet		80	39 - 120
2,4,5-Trichlorophenol	1.67	1.08		mg/kg wet		65	39 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	78		18 - 120
2,4,6-Tribromophenol	64		19 - 120
Phenol-d5	57		18 - 120
2-Fluorobiphenyl	58		14 - 120
2-Fluorophenol	50		17 - 120
Nitrobenzene-d5	53		17 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3481-MS1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike	Matrix Spike Qualifier	Unit	D	%Rec	Limits
	Result			Result					
Acenaphthene	<0.0345		1.71	0.999		mg/kg dry	☼	58	19 - 120
Acenaphthylene	<0.0345		1.71	0.957		mg/kg dry	☼	56	25 - 120
Anthracene	<0.0345		1.71	1.06		mg/kg dry	☼	62	28 - 125
Benzo (a) anthracene	<0.0345		1.71	1.17		mg/kg dry	☼	68	23 - 120
Benzo (a) pyrene	<0.0345		1.71	1.13		mg/kg dry	☼	66	15 - 128
Benzo (b) fluoranthene	<0.0345		1.71	1.10		mg/kg dry	☼	64	12 - 133
Benzo (g,h,i) perylene	<0.0345		1.71	1.08		mg/kg dry	☼	63	22 - 120
Benzo (k) fluoranthene	<0.0345		1.71	0.951		mg/kg dry	☼	56	28 - 120
4-Bromophenyl phenyl ether	<0.170		1.71	1.16		mg/kg dry	☼	68	31 - 120
Butyl benzyl phthalate	<0.170		1.71	1.03		mg/kg dry	☼	60	24 - 133
Carbazole	<0.170		1.71	1.06		mg/kg dry	☼	62	25 - 123
4-Chloro-3-methylphenol	<0.170		1.71	0.230	J M8	mg/kg dry	☼	13	21 - 120
4-Chloroaniline	<0.170		1.71	0.958		mg/kg dry	☼	56	26 - 120
Bis(2-chloroethoxy)methane	<0.170		1.71	0.907		mg/kg dry	☼	53	24 - 120
Bis(2-chloroethyl)ether	<0.170		1.71	0.944		mg/kg dry	☼	55	22 - 120
Bis(2-chloroisopropyl)ether	<0.170		1.71	0.995		mg/kg dry	☼	58	20 - 120
2-Chloronaphthalene	<0.170		1.71	0.860		mg/kg dry	☼	50	24 - 120
2-Chlorophenol	<0.170		1.71	<0.171	M8	mg/kg dry	☼		25 - 120
4-Chlorophenyl phenyl ether	<0.170		1.71	1.14		mg/kg dry	☼	66	26 - 120
Chrysene	<0.0345		1.71	1.09		mg/kg dry	☼	64	20 - 120
Dibenz (a,h) anthracene	<0.0345		1.71	0.987		mg/kg dry	☼	58	12 - 128
Dibenzofuran	<0.170		1.71	1.11		mg/kg dry	☼	65	21 - 120
Di-n-butyl phthalate	<0.170		1.71	0.957		mg/kg dry	☼	56	29 - 126
1,4-Dichlorobenzene	<0.170		1.71	0.858		mg/kg dry	☼	50	10 - 120
1,2-Dichlorobenzene	<0.170		1.71	0.836		mg/kg dry	☼	49	10 - 120
1,3-Dichlorobenzene	<0.170		1.71	0.836		mg/kg dry	☼	49	10 - 120
3,3-Dichlorobenzidine	<0.170		1.71	1.10		mg/kg dry	☼	64	10 - 120
2,4-Dichlorophenol	<0.170		1.71	<0.171	M8	mg/kg dry	☼		17 - 120
Diethyl phthalate	<0.170		1.71	0.987		mg/kg dry	☼	58	29 - 122
2,4-Dimethylphenol	<0.195		1.71	0.813		mg/kg dry	☼	48	17 - 120
Dimethyl phthalate	<0.170		1.71	1.02		mg/kg dry	☼	59	30 - 120
4,6-Dinitro-2-methylphenol	<0.170		1.71	<0.171	M8	mg/kg dry	☼		10 - 134
2,4-Dinitrophenol	<0.170		1.71	<0.171	M8	mg/kg dry	☼		10 - 150
2,6-Dinitrotoluene	<0.170		1.71	1.01		mg/kg dry	☼	59	24 - 120
2,4-Dinitrotoluene	<0.170		1.71	0.979		mg/kg dry	☼	57	24 - 121
Di-n-octyl phthalate	<0.170		1.71	0.853		mg/kg dry	☼	50	27 - 130
Bis(2-ethylhexyl)phthalate	<0.170		1.71	0.903		mg/kg dry	☼	53	26 - 120
Fluoranthene	<0.0345		1.71	1.12		mg/kg dry	☼	65	10 - 143
Fluorene	<0.0345		1.71	1.09		mg/kg dry	☼	64	20 - 120
Hexachlorobenzene	<0.170		1.71	1.21		mg/kg dry	☼	71	25 - 120
Hexachlorobutadiene	<0.170		1.71	1.15		mg/kg dry	☼	67	10 - 120
Hexachlorocyclopentadiene	<0.170		1.71	0.684		mg/kg dry	☼	40	10 - 120
Hexachloroethane	<0.170		1.71	0.909		mg/kg dry	☼	53	10 - 120
Indeno (1,2,3-cd) pyrene	<0.0345		1.71	0.960		mg/kg dry	☼	56	22 - 121
Isophorone	<0.170		1.71	0.813		mg/kg dry	☼	48	24 - 120
2-Methylnaphthalene	<0.0345		1.71	0.990		mg/kg dry	☼	58	13 - 120
2-Methylphenol	<0.170		1.71	0.638		mg/kg dry	☼	37	23 - 120
3/4-Methylphenol	<0.170		1.71	0.436		mg/kg dry	☼	25	19 - 120
Naphthalene	<0.0345		1.71	1.07		mg/kg dry	☼	62	10 - 120



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3481-MS1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
3-Nitroaniline	<0.170		1.71	1.10		mg/kg dry	*	64	31 - 120
2-Nitroaniline	<0.170		1.71	1.06		mg/kg dry	*	62	31 - 120
4-Nitroaniline	<0.170		1.71	1.07		mg/kg dry	*	62	28 - 120
Nitrobenzene	<0.170		1.71	0.721		mg/kg dry	*	42	19 - 120
4-Nitrophenol	<0.170		1.71	<0.171	M8	mg/kg dry	*		16 - 139
2-Nitrophenol	<0.199		1.71	<0.201	M8	mg/kg dry	*		23 - 120
N-Nitrosodiphenylamine	<0.186		1.71	1.33		mg/kg dry	*	78	26 - 150
N-Nitrosodi-n-propylamine	<0.170		1.71	0.912		mg/kg dry	*	53	24 - 120
Pentachlorophenol	<0.170		1.71	<0.171	M8	mg/kg dry	*		19 - 145
Phenanthrene	<0.0345		1.71	1.08		mg/kg dry	*	63	21 - 122
Phenol	<0.170		1.71	0.418		mg/kg dry	*	24	15 - 120
Pyrene	<0.0345		1.71	1.26		mg/kg dry	*	74	20 - 123
1,2,4-Trichlorobenzene	<0.170		1.71	0.899		mg/kg dry	*	53	14 - 120
2,4,6-Trichlorophenol	<0.170		1.71	<0.171	M8	mg/kg dry	*		24 - 122
2,4,5-Trichlorophenol	<0.170		1.71	<0.171	M8	mg/kg dry	*		27 - 120

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits
Terphenyl-d14	74		18 - 120
2,4,6-Tribromophenol	0.6	ZX	19 - 120
Phenol-d5	17	ZX	18 - 120
2-Fluorobiphenyl	53		14 - 120
2-Fluorophenol	3	ZX	17 - 120
Nitrobenzene-d5	47		17 - 120

**Lab Sample ID: 11K3481-MSD1**

**Matrix: Soil**

**Analysis Batch: 11K3481**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3481\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	Limits	%Rec.	
	Result	Qualifier	Added	Result	Qualifier					RPD	Limit
Acenaphthene	<0.0345		1.69	1.04		mg/kg dry	*	62	19 - 120	4	50
Acenaphthylene	<0.0345		1.69	0.947		mg/kg dry	*	56	25 - 120	1	50
Anthracene	<0.0345		1.69	1.06		mg/kg dry	*	62	28 - 125	0.9	49
Benzo (a) anthracene	<0.0345		1.69	1.16		mg/kg dry	*	69	23 - 120	0.3	50
Benzo (a) pyrene	<0.0345		1.69	1.11		mg/kg dry	*	66	15 - 128	2	50
Benzo (b) fluoranthene	<0.0345		1.69	1.13		mg/kg dry	*	67	12 - 133	4	50
Benzo (g,h,i) perylene	<0.0345		1.69	1.07		mg/kg dry	*	63	22 - 120	0.8	50
Benzo (k) fluoranthene	<0.0345		1.69	0.941		mg/kg dry	*	56	28 - 120	1	45
4-Bromophenyl phenyl ether	<0.170		1.69	1.18		mg/kg dry	*	70	31 - 120	2	37
Butyl benzyl phthalate	<0.170		1.69	0.992		mg/kg dry	*	59	24 - 133	4	50
Carbazole	<0.170		1.69	1.10		mg/kg dry	*	65	25 - 123	4	46
4-Chloro-3-methylphenol	<0.170		1.69	0.279	M8 J	mg/kg dry	*	16	21 - 120	19	49
4-Chloroaniline	<0.170		1.69	0.977		mg/kg dry	*	58	26 - 120	2	50
Bis(2-chloroethoxy)methane	<0.170		1.69	0.867		mg/kg dry	*	51	24 - 120	4	50
Bis(2-chloroethyl)ether	<0.170		1.69	0.866		mg/kg dry	*	51	22 - 120	9	50
Bis(2-chloroisopropyl)ether	<0.170		1.69	0.875		mg/kg dry	*	52	20 - 120	13	50
2-Chloronaphthalene	<0.170		1.69	0.857		mg/kg dry	*	51	24 - 120	0.4	50
2-Chlorophenol	<0.170		1.69	<0.170	M8	mg/kg dry	*		25 - 120		50
4-Chlorophenyl phenyl ether	<0.170		1.69	1.16		mg/kg dry	*	69	26 - 120	3	50
Chrysene	<0.0345		1.69	1.07		mg/kg dry	*	63	20 - 120	2	49

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3481-MSD1

Matrix: Soil

Analysis Batch: 11K3481

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11K3481\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier			Unit	Limits		
Dibenz (a,h) anthracene	<0.0345		1.69	0.988		✱	58	12 - 128	0.1	50	
Dibenzofuran	<0.170		1.69	1.13		✱	67	21 - 120	1	50	
Di-n-butyl phthalate	<0.170		1.69	0.987		✱	58	29 - 126	3	49	
1,4-Dichlorobenzene	<0.170		1.69	0.842		✱	50	10 - 120	2	50	
1,2-Dichlorobenzene	<0.170		1.69	0.836		✱	49	10 - 120	0.03	50	
1,3-Dichlorobenzene	<0.170		1.69	0.798		✱	47	10 - 120	5	50	
3,3-Dichlorobenzidine	<0.170		1.69	1.09		✱	64	10 - 120	1	50	
2,4-Dichlorophenol	<0.170		1.69	<0.170	M8	✱		17 - 120		50	
Diethyl phthalate	<0.170		1.69	0.976		✱	58	29 - 122	1	45	
2,4-Dimethylphenol	<0.195		1.69	0.799		✱	47	17 - 120	2	50	
Dimethyl phthalate	<0.170		1.69	1.05		✱	62	30 - 120	3	46	
4,6-Dinitro-2-methylphenol	<0.170		1.69	<0.170	M8	✱		10 - 134		50	
2,4-Dinitrophenol	<0.170		1.69	<0.170	M8	✱		10 - 150		50	
2,6-Dinitrotoluene	<0.170		1.69	1.03		✱	61	24 - 120	2	50	
2,4-Dinitrotoluene	<0.170		1.69	0.960		✱	57	24 - 121	2	50	
Di-n-octyl phthalate	<0.170		1.69	0.843		✱	50	27 - 130	1	50	
Bis(2-ethylhexyl)phthalate	<0.170		1.69	0.900		✱	53	26 - 120	0.3	50	
Fluoranthene	<0.0345		1.69	1.16		✱	68	10 - 143	3	50	
Fluorene	<0.0345		1.69	1.11		✱	65	20 - 120	1	50	
Hexachlorobenzene	<0.170		1.69	1.20		✱	71	25 - 120	1	50	
Hexachlorobutadiene	<0.170		1.69	1.12		✱	66	10 - 120	2	50	
Hexachlorocyclopentadiene	<0.170		1.69	0.675		✱	40	10 - 120	1	50	
Hexachloroethane	<0.170		1.69	0.902		✱	53	10 - 120	0.9	50	
Indeno (1,2,3-cd) pyrene	<0.0345		1.69	0.982		✱	58	22 - 121	2	50	
Isophorone	<0.170		1.69	0.814		✱	48	24 - 120	0.04	50	
2-Methylnaphthalene	<0.0345		1.69	0.969		✱	57	13 - 120	2	50	
2-Methylphenol	<0.170		1.69	0.603		✱	36	23 - 120	6	50	
3/4-Methylphenol	<0.170		1.69	0.435		✱	26	19 - 120	0.2	50	
Naphthalene	<0.0345		1.69	1.04		✱	61	10 - 120	3	50	
3-Nitroaniline	<0.170		1.69	1.11		✱	65	31 - 120	0.6	49	
2-Nitroaniline	<0.170		1.69	1.12		✱	66	31 - 120	5	50	
4-Nitroaniline	<0.170		1.69	1.12		✱	66	28 - 120	5	49	
Nitrobenzene	<0.170		1.69	0.741		✱	44	19 - 120	3	50	
4-Nitrophenol	<0.170		1.69	<0.170	M8	✱		16 - 139		45	
2-Nitrophenol	<0.199		1.69	<0.199	M8	✱		23 - 120		50	
N-Nitrosodiphenylamine	<0.186		1.69	1.32		✱	78	26 - 150	1	50	
N-Nitrosodi-n-propylamine	<0.170		1.69	0.880		✱	52	24 - 120	4	50	
Pentachlorophenol	<0.170		1.69	<0.170	M8	✱		19 - 145		50	
Phenanthrene	<0.0345		1.69	1.10		✱	65	21 - 122	2	50	
Phenol	<0.170		1.69	0.425		✱	25	15 - 120	2	50	
Pyrene	<0.0345		1.69	1.28		✱	75	20 - 123	1	50	
1,2,4-Trichlorobenzene	<0.170		1.69	0.859		✱	51	14 - 120	5	50	
2,4,6-Trichlorophenol	<0.170		1.69	<0.170	M8	✱		24 - 122		50	
2,4,5-Trichlorophenol	<0.170		1.69	<0.170	M8	✱		27 - 120		50	

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
Terphenyl-d14	73		18 - 120
2,4,6-Tribromophenol	0.2	ZX	19 - 120
Phenol-d5	15	ZX	18 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3481-MSD1**  
**Matrix: Soil**  
**Analysis Batch: 11K3481**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11K3481\_P**

Surrogate	Matrix Spike Dup		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	53		14 - 120
2-Fluorophenol	3	ZX	17 - 120
Nitrobenzene-d5	46		17 - 120

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

**Lab Sample ID: 11K3585-BLK1**  
**Matrix: Water**  
**Analysis Batch: U020129**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K3585\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
delta-BHC	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
alpha-BHC	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
beta-BHC	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
gamma-BHC (Lindane)	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
alpha-Chlordane	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
gamma-Chlordane	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
Chlordane	<1.00		2.00	1.00	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
4,4'-DDD	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
4,4'-DDE	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
4,4'-DDT	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
Dieldrin	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
Endosulfan I	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
Endosulfan II	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
Endosulfan sulfate	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
Endrin	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
Endrin aldehyde	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
Endrin ketone	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
Heptachlor	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
Heptachlor epoxide	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
Methoxychlor	<0.0130		0.0250	0.0130	ug/L		11/15/11 06:15	11/15/11 13:04	1.00
Toxaphene	<1.00		2.00	1.00	ug/L		11/15/11 06:15	11/15/11 13:04	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	112		38 - 150	11/15/11 06:15	11/15/11 13:04	1.00
Decachlorobiphenyl	94		10 - 141	11/15/11 06:15	11/15/11 13:04	1.00

**Lab Sample ID: 11K3585-BS1**  
**Matrix: Water**  
**Analysis Batch: U020129**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11K3585\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.375	MNR1	ug/L		75	38 - 128
delta-BHC	0.500	0.420	MNR1	ug/L		84	35 - 145
alpha-BHC	0.500	0.440	MNR1	ug/L		88	47 - 136
beta-BHC	0.500	0.440	MNR1	ug/L		88	50 - 140
gamma-BHC (Lindane)	0.500	0.445	MNR1	ug/L		89	50 - 138
alpha-Chlordane	0.500	0.415	MNR1	ug/L		83	49 - 137

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 11K3585-BS1**

**Matrix: Water**

**Analysis Batch: U020129**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3585\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
gamma-Chlordane	0.500	0.415	MNR1	ug/L		83	46 - 143	
4,4'-DDD	0.500	0.455	MNR1	ug/L		91	51 - 150	
4,4'-DDE	0.500	0.425	MNR1	ug/L		85	49 - 138	
4,4'-DDT	0.500	0.455	MNR1	ug/L		91	33 - 150	
Dieldrin	0.500	0.430	MNR1	ug/L		86	49 - 136	
Endosulfan I	0.500	0.420	MNR1	ug/L		84	10 - 150	
Endosulfan II	0.500	0.440	MNR1	ug/L		88	11 - 150	
Endosulfan sulfate	0.500	0.475	MNR1	ug/L		95	43 - 150	
Endrin	0.500	0.465	MNR1	ug/L		93	54 - 150	
Endrin aldehyde	0.500	0.455	MNR1	ug/L		91	50 - 150	
Endrin ketone	0.500	0.470	MNR1	ug/L		94	50 - 147	
Heptachlor	0.500	0.385	MNR1	ug/L		77	43 - 146	
Heptachlor epoxide	0.500	0.420	MNR1	ug/L		84	50 - 136	
Methoxychlor	0.500	0.450	MNR1	ug/L		90	35 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	121		38 - 150
Decachlorobiphenyl	104		10 - 141

**Lab Sample ID: 11K3585-BS2**

**Matrix: Water**

**Analysis Batch: U020129**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3585\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Chlordane	5.00	4.37	MNR1	ug/L		87	49 - 150	
Toxaphene	10.0	10.4	MNR1	ug/L		104	34 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	127		38 - 150
Decachlorobiphenyl	104		10 - 141

**Lab Sample ID: 11K3592-BLK1**

**Matrix: Soil**

**Analysis Batch: U020262**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3592\_P**

Analyte	Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
delta-BHC	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
alpha-BHC	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
beta-BHC	<0.000840		0.00330	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
gamma-BHC (Lindane)	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
alpha-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
gamma-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
Chlordane	<0.0333		0.0667	0.0333	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
4,4'-DDD	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
4,4'-DDE	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
4,4'-DDT [2C]	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
Dieldrin	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
Endosulfan I	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 11K3592-BLK1**

**Matrix: Soil**

**Analysis Batch: U020262**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3592\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
Endosulfan sulfate	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
Endrin	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
Endrin aldehyde [2C]	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
Endrin ketone	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
Heptachlor	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
Heptachlor epoxide	<0.000840		0.00170	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
Methoxychlor [2C]	<0.000840		0.00330	0.000840	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00
Toxaphene	<0.0422		0.0667	0.0422	mg/kg wet		11/15/11 08:57	11/16/11 19:00	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	104		21 - 145	11/15/11 08:57	11/16/11 19:00	1.00
Decachlorobiphenyl	98		25 - 150	11/15/11 08:57	11/16/11 19:00	1.00

**Lab Sample ID: 11K3592-BS1**

**Matrix: Soil**

**Analysis Batch: U020262**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3592\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0167	0.0120	MNR1	mg/kg wet		72	47 - 132
delta-BHC	0.0167	0.0117	MNR1	mg/kg wet		70	10 - 149
alpha-BHC	0.0167	0.0123	MNR1	mg/kg wet		74	45 - 128
beta-BHC	0.0167	0.0127	MNR1	mg/kg wet		76	48 - 135
gamma-BHC (Lindane)	0.0167	0.0127	MNR1	mg/kg wet		76	48 - 131
alpha-Chlordane	0.0167	0.0123	MNR1	mg/kg wet		74	47 - 134
gamma-Chlordane	0.0167	0.0123	MNR1	mg/kg wet		74	48 - 145
4,4'-DDD	0.0167	0.0130		mg/kg wet		78	46 - 149
4,4'-DDE	0.0167	0.0127		mg/kg wet		76	48 - 139
4,4'-DDT [2C]	0.0167	0.0127		mg/kg wet		76	24 - 150
Dieldrin	0.0167	0.0123		mg/kg wet		74	42 - 137
Endosulfan I	0.0167	0.0123		mg/kg wet		74	10 - 150
Endosulfan II	0.0167	0.0123		mg/kg wet		74	12 - 150
Endosulfan sulfate	0.0167	0.0130		mg/kg wet		78	36 - 148
Endrin	0.0167	0.0133		mg/kg wet		80	46 - 145
Endrin aldehyde [2C]	0.0167	0.0137		mg/kg wet		82	48 - 150
Endrin ketone	0.0167	0.0133		mg/kg wet		80	43 - 150
Heptachlor	0.0167	0.0120		mg/kg wet		72	45 - 140
Heptachlor epoxide	0.0167	0.0123		mg/kg wet		74	47 - 133
Methoxychlor [2C]	0.0167	0.0133		mg/kg wet		80	23 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	114		21 - 145
Decachlorobiphenyl	104		25 - 150

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 11K3592-BS2**  
**Matrix: Soil**  
**Analysis Batch: U020262**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11K3592\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chlordane	0.167	0.143		mg/kg wet		86	50 - 150
Toxaphene	0.333	0.296		mg/kg wet		89	10 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	120		21 - 145
Decachlorobiphenyl	111		25 - 150

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

**Lab Sample ID: 11K3426-BLK1**  
**Matrix: Water**  
**Analysis Batch: U020167**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K3426\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.250		0.500	0.250	ug/L		11/14/11 14:30	11/16/11 01:17	1.00
PCB-1221	<0.250		0.500	0.250	ug/L		11/14/11 14:30	11/16/11 01:17	1.00
PCB-1232	<0.250		0.500	0.250	ug/L		11/14/11 14:30	11/16/11 01:17	1.00
PCB-1242	<0.250		0.500	0.250	ug/L		11/14/11 14:30	11/16/11 01:17	1.00
PCB-1248	<0.250		0.500	0.250	ug/L		11/14/11 14:30	11/16/11 01:17	1.00
PCB-1254	<0.250		0.500	0.250	ug/L		11/14/11 14:30	11/16/11 01:17	1.00
PCB-1260	<0.250		0.500	0.250	ug/L		11/14/11 14:30	11/16/11 01:17	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	98		17 - 142	11/14/11 14:30	11/16/11 01:17	1.00
Decachlorobiphenyl	77		10 - 149	11/14/11 14:30	11/16/11 01:17	1.00

**Lab Sample ID: 11K3426-BS1**  
**Matrix: Water**  
**Analysis Batch: U020167**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11K3426\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	5.00	5.02	MNR1	ug/L		100	23 - 139
PCB-1260	5.00	4.14	MNR1	ug/L		83	36 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	104		17 - 142
Decachlorobiphenyl	78		10 - 149

**Lab Sample ID: 11K3479-BLK1**  
**Matrix: Soil**  
**Analysis Batch: U020167**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K3479\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0210		0.0333	0.0210	mg/kg wet		11/15/11 06:46	11/15/11 16:15	1.00
PCB-1221	<0.0110		0.0333	0.0110	mg/kg wet		11/15/11 06:46	11/15/11 16:15	1.00
PCB-1232	<0.0160		0.0333	0.0160	mg/kg wet		11/15/11 06:46	11/15/11 16:15	1.00
PCB-1242	<0.0260		0.0333	0.0260	mg/kg wet		11/15/11 06:46	11/15/11 16:15	1.00
PCB-1248	<0.0300		0.0333	0.0300	mg/kg wet		11/15/11 06:46	11/15/11 16:15	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A (Continued)

**Lab Sample ID: 11K3479-BLK1**  
**Matrix: Soil**  
**Analysis Batch: U020167**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K3479\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	<0.0110		0.0333	0.0110	mg/kg wet		11/15/11 06:46	11/15/11 16:15	1.00
PCB-1260	<0.0280		0.0333	0.0280	mg/kg wet		11/15/11 06:46	11/15/11 16:15	1.00
Surrogate	%Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	100		19 - 147				11/15/11 06:46	11/15/11 16:15	1.00
Decachlorobiphenyl	98		20 - 150				11/15/11 06:46	11/15/11 16:15	1.00

**Lab Sample ID: 11K3479-BS1**  
**Matrix: Soil**  
**Analysis Batch: U020167**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11K3479\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.167	0.176	MNR	mg/kg wet		105	64 - 122
PCB-1260	0.167	0.175	MNR	mg/kg wet		105	56 - 150
Surrogate	%Recovery	LCS Qualifier	Limits				
Tetrachloro-meta-xylene	102		19 - 147				
Decachlorobiphenyl	96		20 - 150				

## Method: SW846 6010C - Total Metals by EPA 6010C

**Lab Sample ID: 11K3402-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11K3402**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K3402\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Calcium	<0.500		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Magnesium	<0.500		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Potassium	<0.500		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Sodium	<0.500		1.00	0.500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		11/15/11 07:00	11/15/11 14:18	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		11/15/11 07:00	11/15/11 14:18	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3402-BS1**

**Matrix: Water**

**Analysis Batch: 11K3402**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3402\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	2.00	1.96		mg/L		98	80 - 120	
Antimony	0.100	0.115		mg/L		115	80 - 120	
Arsenic	0.0500	0.0490		mg/L		98	80 - 120	
Barium	2.00	2.06		mg/L		103	80 - 120	
Beryllium	0.0500	0.0509		mg/L		102	80 - 120	
Cadmium	0.0500	0.0507		mg/L		101	80 - 120	
Calcium	5.00	5.16		mg/L		103	80 - 120	
Chromium	0.200	0.199		mg/L		100	80 - 120	
Cobalt	0.500	0.491		mg/L		98	80 - 120	
Copper	0.250	0.249		mg/L		100	80 - 120	
Iron	1.00	0.984		mg/L		98	80 - 120	
Lead	0.0500	0.0511		mg/L		102	80 - 120	
Magnesium	5.00	5.25		mg/L		105	80 - 120	
Manganese	0.500	0.506		mg/L		101	80 - 120	
Nickel	0.500	0.506		mg/L		101	80 - 120	
Potassium	5.00	5.06		mg/L		101	80 - 120	
Selenium	0.0500	0.0506		mg/L		101	80 - 120	
Silver	0.0500	0.0491		mg/L		98	80 - 120	
Sodium	5.00	5.33		mg/L		107	80 - 120	
Thallium	0.0500	0.0491		mg/L		98	80 - 120	
Vanadium	0.500	0.507		mg/L		101	80 - 120	
Zinc	0.500	0.482		mg/L		96	80 - 120	

**Lab Sample ID: 11K3402-BSD1**

**Matrix: Water**

**Analysis Batch: 11K3402**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3402\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Aluminum	2.00	1.94		mg/L		97	80 - 120	0.7	20	
Antimony	0.100	0.115		mg/L		115	80 - 120	0.3	20	
Arsenic	0.0500	0.0482		mg/L		96	80 - 120	2	20	
Barium	2.00	2.05		mg/L		103	80 - 120	0.3	20	
Beryllium	0.0500	0.0508		mg/L		102	80 - 120	0.2	20	
Cadmium	0.0500	0.0507		mg/L		101	80 - 120	0	20	
Calcium	5.00	5.10		mg/L		102	80 - 120	1	20	
Chromium	0.200	0.197		mg/L		99	80 - 120	1	20	
Cobalt	0.500	0.484		mg/L		97	80 - 120	1	20	
Copper	0.250	0.249		mg/L		100	80 - 120	0.2	20	
Iron	1.00	0.970		mg/L		97	80 - 120	1	20	
Lead	0.0500	0.0507		mg/L		101	80 - 120	0.8	20	
Magnesium	5.00	5.23		mg/L		105	80 - 120	0.3	20	
Manganese	0.500	0.504		mg/L		101	80 - 120	0.6	20	
Nickel	0.500	0.501		mg/L		100	80 - 120	1	20	
Potassium	5.00	4.94		mg/L		99	80 - 120	2	20	
Selenium	0.0500	0.0509		mg/L		102	80 - 120	0.6	20	
Silver	0.0500	0.0492		mg/L		98	80 - 120	0.2	20	
Sodium	5.00	5.18		mg/L		104	80 - 120	3	20	
Thallium	0.0500	0.0501		mg/L		100	80 - 120	2	20	
Vanadium	0.500	0.502		mg/L		100	80 - 120	0.9	20	
Zinc	0.500	0.481		mg/L		96	80 - 120	0.2	20	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3402-MS1**

**Matrix: Water**

**Analysis Batch: 11K3402**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3402\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result		Added	Result	Qualifier				Limits	RPD
Aluminum	<0.0500		2.00	1.87		mg/L		94	75 - 125	
Antimony	<0.00500		0.100	0.112		mg/L		112	75 - 125	
Arsenic	0.0148		0.0500	0.0619		mg/L		94	75 - 125	
Barium	0.0565		2.00	2.05		mg/L		100	75 - 125	
Beryllium	<0.00200		0.0500	0.0504		mg/L		101	75 - 125	
Cadmium	<0.000600		0.0500	0.0495		mg/L		99	75 - 125	
Calcium	96.8		5.00	100	MHA	mg/L		63	75 - 125	
Chromium	<0.00250		0.200	0.192		mg/L		96	75 - 125	
Cobalt	<0.0100		0.500	0.480		mg/L		96	75 - 125	
Copper	<0.00500		0.250	0.244		mg/L		98	75 - 125	
Iron	0.688		1.00	1.64		mg/L		95	75 - 125	
Lead	<0.00250		0.0500	0.0514		mg/L		103	75 - 125	
Magnesium	30.5		5.00	35.0		mg/L		90	75 - 125	
Manganese	0.190		0.500	0.676		mg/L		97	75 - 125	
Nickel	<0.00500		0.500	0.495		mg/L		99	75 - 125	
Potassium	1.95		5.00	6.59		mg/L		93	75 - 125	
Selenium	<0.00500		0.0500	0.0510		mg/L		102	75 - 125	
Silver	<0.00250		0.0500	0.0487		mg/L		97	75 - 125	
Sodium	11.5		5.00	16.1		mg/L		92	75 - 125	
Thallium	<0.00500		0.0500	0.0486		mg/L		97	75 - 125	
Vanadium	<0.0100		0.500	0.496		mg/L		99	75 - 125	
Zinc	<0.0250		0.500	0.487		mg/L		97	75 - 125	

**Lab Sample ID: 11K3402-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3402**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3402\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD
	Result		Added	Result	Qualifier				Limits	RPD	Limit
Aluminum	<0.0500		2.00	2.00		mg/L		100	75 - 125	6	20
Antimony	<0.00500		0.100	0.115		mg/L		115	75 - 125	3	20
Arsenic	0.0148		0.0500	0.0661		mg/L		103	75 - 125	7	20
Barium	0.0565		2.00	2.10		mg/L		102	75 - 125	2	20
Beryllium	<0.00200		0.0500	0.0521		mg/L		104	75 - 125	3	20
Cadmium	<0.000600		0.0500	0.0509		mg/L		102	75 - 125	3	20
Calcium	96.8		5.00	103		mg/L		125	75 - 125	3	20
Chromium	<0.00250		0.200	0.198		mg/L		99	75 - 125	3	20
Cobalt	<0.0100		0.500	0.494		mg/L		99	75 - 125	3	20
Copper	<0.00500		0.250	0.251		mg/L		100	75 - 125	3	20
Iron	0.688		1.00	1.69		mg/L		100	75 - 125	3	20
Lead	<0.00250		0.0500	0.0530		mg/L		106	75 - 125	3	20
Magnesium	30.5		5.00	35.9		mg/L		109	75 - 125	3	20
Manganese	0.190		0.500	0.695		mg/L		101	75 - 125	3	20
Nickel	<0.00500		0.500	0.510		mg/L		102	75 - 125	3	20
Potassium	1.95		5.00	6.77		mg/L		96	75 - 125	3	20
Selenium	<0.00500		0.0500	0.0512		mg/L		102	75 - 125	0.4	20
Silver	<0.00250		0.0500	0.0497		mg/L		99	75 - 125	2	20
Sodium	11.5		5.00	16.6		mg/L		102	75 - 125	3	20
Thallium	<0.00500		0.0500	0.0501		mg/L		100	75 - 125	3	20
Vanadium	<0.0100		0.500	0.512		mg/L		102	75 - 125	3	20
Zinc	<0.0250		0.500	0.501		mg/L		100	75 - 125	3	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3444-BLK1**

**Matrix: Soil**

**Analysis Batch: 11K3444**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3444\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<9.52		19.0	9.52	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Antimony	<4.76		9.52	4.76	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Arsenic	<0.476		0.952	0.476	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Barium	<0.952		1.90	0.952	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Beryllium	<0.476		0.952	0.476	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Cadmium	<0.476		0.952	0.476	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Calcium	<47.6		95.2	47.6	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Chromium	<0.476		0.952	0.476	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Cobalt	<1.43		2.86	1.43	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Copper	<0.952		1.90	0.952	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Iron	11.0	B1	9.52	4.76	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Lead	<0.476		0.952	0.476	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Magnesium	<47.6		95.2	47.6	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Manganese	<1.43		2.86	1.43	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Nickel	<0.952		1.90	0.952	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Potassium	<47.6		95.2	47.6	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Selenium	<0.952		1.90	0.952	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Silver	<0.476		0.952	0.476	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Sodium	<95.2		190	95.2	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Thallium	<0.952		1.90	0.952	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Vanadium	<4.76		9.52	4.76	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00
Zinc	<4.76		9.52	4.76	mg/kg wet		11/15/11 09:49	11/16/11 02:27	1.00

**Lab Sample ID: 11K3444-BS1**

**Matrix: Soil**

**Analysis Batch: 11K3444**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3444\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	808	782		mg/kg wet		97	80 - 120
Antimony	40.4	45.3		mg/kg wet		112	80 - 120
Arsenic	20.2	20.4		mg/kg wet		101	80 - 120
Barium	808	917		mg/kg wet		113	80 - 120
Beryllium	20.2	20.7		mg/kg wet		103	80 - 120
Cadmium	20.2	20.6		mg/kg wet		102	80 - 120
Calcium	2020	2230		mg/kg wet		111	80 - 120
Chromium	80.8	79.3		mg/kg wet		98	80 - 120
Cobalt	202	203		mg/kg wet		101	80 - 120
Copper	101	101		mg/kg wet		100	80 - 120
Iron	404	433	B	mg/kg wet		107	80 - 120
Lead	20.2	21.4		mg/kg wet		106	80 - 120
Magnesium	2020	2080		mg/kg wet		103	80 - 120
Manganese	202	210		mg/kg wet		104	80 - 120
Nickel	202	210		mg/kg wet		104	80 - 120
Potassium	2020	1960		mg/kg wet		97	80 - 120
Selenium	20.2	20.9		mg/kg wet		103	80 - 120
Silver	20.2	20.0		mg/kg wet		99	75 - 125
Sodium	2020	2040		mg/kg wet		101	80 - 120
Thallium	20.2	16.5		mg/kg wet		82	80 - 120
Vanadium	202	201		mg/kg wet		99	80 - 120
Zinc	202	197		mg/kg wet		97	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3444-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 11K3444**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 11K3444\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Aluminum	805	713		mg/kg wet		89	80 - 120	9	20	
Antimony	40.2	43.0		mg/kg wet		107	80 - 120	5	20	
Arsenic	20.1	18.6		mg/kg wet		92	80 - 120	10	20	
Barium	805	852		mg/kg wet		106	80 - 120	7	20	
Beryllium	20.1	19.1		mg/kg wet		95	80 - 120	8	20	
Cadmium	20.1	19.0		mg/kg wet		94	80 - 120	9	20	
Calcium	2010	2060		mg/kg wet		102	80 - 120	8	20	
Chromium	80.5	72.6		mg/kg wet		90	80 - 120	9	20	
Cobalt	201	186		mg/kg wet		92	80 - 120	9	20	
Copper	101	91.6		mg/kg wet		91	80 - 120	9	20	
Iron	402	381	B	mg/kg wet		95	80 - 120	13	20	
Lead	20.1	19.5		mg/kg wet		97	80 - 120	9	20	
Magnesium	2010	1920		mg/kg wet		95	80 - 120	8	20	
Manganese	201	193		mg/kg wet		96	80 - 120	8	20	
Nickel	201	192		mg/kg wet		96	80 - 120	9	20	
Potassium	2010	1790		mg/kg wet		89	80 - 120	9	20	
Selenium	20.1	19.1		mg/kg wet		95	80 - 120	9	20	
Silver	20.1	18.4		mg/kg wet		92	75 - 125	8	20	
Sodium	2010	1870		mg/kg wet		93	80 - 120	9	20	
Vanadium	201	184		mg/kg wet		92	80 - 120	9	20	
Zinc	201	180		mg/kg wet		89	80 - 120	9	20	

**Lab Sample ID: 11K3444-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 11K3444**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 11K3444\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Thallium	20.1	20.3	R	mg/kg wet		101	80 - 120	21	20	

**Lab Sample ID: 11K3444-MS1**  
**Matrix: Soil**  
**Analysis Batch: 11K3444**

**Client Sample ID: Tract 35 SB-5 (0-2)**  
**Prep Type: Total**  
**Prep Batch: 11K3444\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	4540	MHA	911	6820	MHA	mg/kg dry	☼	251	75 - 125	
Antimony	<5.83		45.5	43.8		mg/kg dry	☼	96	75 - 125	
Arsenic	17.0	M8	22.8	27.4	M8	mg/kg dry	☼	45	75 - 125	
Barium	25.4		911	869		mg/kg dry	☼	93	75 - 125	
Beryllium	<0.583		22.8	20.1		mg/kg dry	☼	88	75 - 125	
Cadmium	<0.583		22.8	18.8		mg/kg dry	☼	83	75 - 125	
Calcium	56400	MHA	2280	69600	MHA	mg/kg dry	☼	579	75 - 125	
Chromium	14.4		91.1	91.6		mg/kg dry	☼	85	75 - 125	
Cobalt	<1.75		228	228		mg/kg dry	☼	100	75 - 125	
Copper	7.93		114	102		mg/kg dry	☼	83	75 - 125	
Iron	15400	B MHA	455	10300	MHA B	mg/kg dry	☼	-1120	75 - 125	
Lead	19.7		22.8	42.0		mg/kg dry	☼	98	75 - 125	
Magnesium	1920		2280	4220		mg/kg dry	☼	101	75 - 125	
Manganese	67.7		228	245		mg/kg dry	☼	78	75 - 125	
Nickel	9.56		228	242		mg/kg dry	☼	102	75 - 125	
Potassium	309		2280	2260		mg/kg dry	☼	86	75 - 125	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3444-MS1**

**Matrix: Soil**

**Analysis Batch: 11K3444**

**Client Sample ID: Tract 35 SB-5 (0-2)**

**Prep Type: Total**

**Prep Batch: 11K3444\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Selenium	<1.17		22.8	20.5		mg/kg dry	*	90	75 - 125	
Silver	<0.583		22.8	19.5		mg/kg dry	*	86	75 - 125	
Sodium	353		2280	2350		mg/kg dry	*	88	75 - 125	
Thallium	<1.17	M8	22.8	16.7	M8	mg/kg dry	*	73	75 - 125	
Vanadium	23.9		228	208		mg/kg dry	*	81	75 - 125	
Zinc	44.0		228	222		mg/kg dry	*	78	75 - 125	

**Lab Sample ID: 11K3444-MSD1**

**Matrix: Soil**

**Analysis Batch: 11K3444**

**Client Sample ID: Tract 35 SB-5 (0-2)**

**Prep Type: Total**

**Prep Batch: 11K3444\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aluminum	4540	MHA	898	6070	MHA	mg/kg dry	*	171	75 - 125	12	20	
Antimony	<5.83		44.9	45.0		mg/kg dry	*	100	75 - 125	3	20	
Arsenic	17.0	M8	22.5	27.5	M8	mg/kg dry	*	47	75 - 125	0.6	20	
Barium	25.4		898	884		mg/kg dry	*	96	75 - 125	2	20	
Beryllium	<0.583		22.5	20.3		mg/kg dry	*	91	75 - 125	1	20	
Cadmium	<0.583		22.5	19.3		mg/kg dry	*	86	75 - 125	3	20	
Calcium	56400	MHA	2250	51000	MHA	mg/kg dry	*	-239	75 - 125	31	20	
Chromium	14.4		89.8	89.6		mg/kg dry	*	84	75 - 125	2	20	
Cobalt	<1.75		225	226		mg/kg dry	*	101	75 - 125	0.7	20	
Copper	7.93		112	102		mg/kg dry	*	84	75 - 125	0.04	20	
Iron	15400	B MHA	449	9430	MHA B	mg/kg dry	*	-1330	75 - 125	9	20	
Lead	19.7		22.5	38.7		mg/kg dry	*	85	75 - 125	8	20	
Magnesium	1920		2250	3660		mg/kg dry	*	77	75 - 125	14	20	
Manganese	67.7		225	252		mg/kg dry	*	82	75 - 125	3	20	
Nickel	9.56		225	242		mg/kg dry	*	103	75 - 125	0.06	20	
Potassium	309		2250	2210		mg/kg dry	*	84	75 - 125	3	20	
Selenium	<1.17		22.5	20.8		mg/kg dry	*	93	75 - 125	1	20	
Silver	<0.583		22.5	19.7		mg/kg dry	*	88	75 - 125	1	20	
Sodium	353		2250	2320		mg/kg dry	*	88	75 - 125	1	20	
Thallium	<1.17	M8	22.5	17.1		mg/kg dry	*	76	75 - 125	2	20	
Vanadium	23.9		225	209		mg/kg dry	*	83	75 - 125	0.8	20	
Zinc	44.0		225	222		mg/kg dry	*	79	75 - 125	0.1	20	

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 11K3436-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3436**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 11K3436\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Calcium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 18:48	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11K3436-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11K3436**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3436\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.0100		0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Magnesium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Potassium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 18:48	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 18:48	1.00

**Lab Sample ID: 11K3436-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11K3436**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3436\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/17/11 10:09	1.00

**Lab Sample ID: 11K3436-BS1**  
**Matrix: Water**  
**Analysis Batch: 11K3436**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3436\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.82		mg/L		91	80 - 120
Antimony	0.100	0.111		mg/L		111	80 - 120
Arsenic	0.0500	0.0525		mg/L		105	80 - 120
Barium	2.00	2.07		mg/L		103	80 - 120
Beryllium	0.0500	0.0493		mg/L		99	80 - 120
Cadmium	0.0500	0.0498		mg/L		100	80 - 120
Calcium	5.00	5.08		mg/L		102	80 - 120
Chromium	0.200	0.196		mg/L		98	80 - 120
Cobalt	0.500	0.500		mg/L		100	80 - 120
Copper	0.250	0.250		mg/L		100	80 - 120
Iron	1.00	0.960		mg/L		96	80 - 120
Lead	0.0500	0.0518		mg/L		104	80 - 120
Magnesium	5.00	5.00		mg/L		100	80 - 120
Manganese	0.500	0.504		mg/L		101	80 - 120
Nickel	0.500	0.503		mg/L		101	80 - 120
Potassium	5.00	4.68		mg/L		94	80 - 120
Selenium	0.0500	0.0511		mg/L		102	80 - 120
Silver	0.0500	0.0498		mg/L		100	80 - 120
Sodium	5.00	5.12		mg/L		102	80 - 120
Thallium	0.0500	0.0488		mg/L		98	80 - 120
Vanadium	0.500	0.474		mg/L		95	80 - 120
Zinc	0.500	0.477		mg/L		95	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11K3436-BSD1**

**Matrix: Water**

**Analysis Batch: 11K3436**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Dissolved**

**Prep Batch: 11K3436\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Aluminum	2.00	2.04		mg/L		102	80 - 120	12	20	
Antimony	0.100	0.114		mg/L		114	80 - 120	3	20	
Arsenic	0.0500	0.0504		mg/L		101	80 - 120	4	20	
Barium	2.00	2.13		mg/L		106	80 - 120	3	20	
Beryllium	0.0500	0.0503		mg/L		101	80 - 120	2	20	
Cadmium	0.0500	0.0514		mg/L		103	80 - 120	3	20	
Calcium	5.00	5.20		mg/L		104	80 - 120	2	20	
Chromium	0.200	0.203		mg/L		101	80 - 120	4	20	
Cobalt	0.500	0.518		mg/L		104	80 - 120	4	20	
Copper	0.250	0.262		mg/L		105	80 - 120	5	20	
Iron	1.00	0.994		mg/L		99	80 - 120	3	20	
Lead	0.0500	0.0527		mg/L		105	80 - 120	2	20	
Magnesium	5.00	5.34		mg/L		107	80 - 120	7	20	
Manganese	0.500	0.513		mg/L		103	80 - 120	2	20	
Nickel	0.500	0.526		mg/L		105	80 - 120	4	20	
Potassium	5.00	5.02		mg/L		100	80 - 120	7	20	
Selenium	0.0500	0.0545		mg/L		109	80 - 120	6	20	
Silver	0.0500	0.0515		mg/L		103	80 - 120	3	20	
Sodium	5.00	5.37		mg/L		107	80 - 120	5	20	
Thallium	0.0500	0.0521		mg/L		104	80 - 120	7	20	
Vanadium	0.500	0.511		mg/L		102	80 - 120	7	20	
Zinc	0.500	0.495		mg/L		99	80 - 120	4	20	

**Lab Sample ID: 11K3436-MS1**

**Matrix: Water**

**Analysis Batch: 11K3436**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 11K3436\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	<0.0500		2.00	1.97		mg/L		98	75 - 125	
Antimony	<0.00500		0.100	0.110		mg/L		110	75 - 125	
Arsenic	<0.00500		0.0500	0.0481		mg/L		96	75 - 125	
Barium	0.0683		2.00	2.12		mg/L		102	75 - 125	
Beryllium	<0.00200		0.0500	0.0501		mg/L		100	75 - 125	
Cadmium	<0.000600		0.0500	0.0504		mg/L		101	75 - 125	
Calcium	59.8		5.00	65.7		mg/L		118	75 - 125	
Chromium	<0.00250		0.200	0.199		mg/L		100	75 - 125	
Cobalt	<0.0100		0.500	0.517		mg/L		103	75 - 125	
Copper	<0.00500		0.250	0.252		mg/L		101	75 - 125	
Iron	<0.0250		1.00	0.968		mg/L		97	75 - 125	
Lead	<0.00250		0.0500	0.0498		mg/L		100	75 - 125	
Magnesium	16.5		5.00	21.8		mg/L		107	75 - 125	
Manganese	0.246		0.500	0.750		mg/L		101	75 - 125	
Nickel	<0.00500		0.500	0.522		mg/L		104	75 - 125	
Potassium	1.28		5.00	6.23		mg/L		99	75 - 125	
Selenium	<0.00500		0.0500	0.0539		mg/L		108	75 - 125	
Silver	<0.00250		0.0500	0.0500		mg/L		100	75 - 125	
Sodium	26.0		5.00	30.4		mg/L		88	75 - 125	
Thallium	<0.00500		0.0500	0.0508		mg/L		102	75 - 125	
Vanadium	<0.0100		0.500	0.499		mg/L		100	75 - 125	
Zinc	0.0511		0.500	0.545		mg/L		99	75 - 125	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11K3436-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3436**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 11K3436\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aluminum	<0.0500		2.00	1.89		mg/L		94	75 - 125	4	20	
Antimony	<0.00500		0.100	0.105		mg/L		105	75 - 125	4	20	
Arsenic	<0.00500		0.0500	0.0471		mg/L		94	75 - 125	2	20	
Barium	0.0683		2.00	2.02		mg/L		97	75 - 125	5	20	
Beryllium	<0.00200		0.0500	0.0475		mg/L		95	75 - 125	5	20	
Cadmium	<0.000600		0.0500	0.0483		mg/L		97	75 - 125	4	20	
Calcium	59.8		5.00	62.0	MHA	mg/L		44	75 - 125	6	20	
Chromium	<0.00250		0.200	0.190		mg/L		95	75 - 125	5	20	
Cobalt	<0.0100		0.500	0.491		mg/L		98	75 - 125	5	20	
Copper	<0.00500		0.250	0.242		mg/L		97	75 - 125	4	20	
Iron	<0.0250		1.00	0.928		mg/L		93	75 - 125	4	20	
Lead	<0.00250		0.0500	0.0475		mg/L		95	75 - 125	5	20	
Magnesium	16.5		5.00	20.6		mg/L		81	75 - 125	6	20	
Manganese	0.246		0.500	0.712		mg/L		93	75 - 125	5	20	
Nickel	<0.00500		0.500	0.496		mg/L		99	75 - 125	5	20	
Potassium	1.28		5.00	5.90		mg/L		92	75 - 125	6	20	
Selenium	<0.00500		0.0500	0.0524		mg/L		105	75 - 125	3	20	
Silver	<0.00250		0.0500	0.0487		mg/L		97	75 - 125	3	20	
Sodium	26.0		5.00	29.3	MHA	mg/L		66	75 - 125	4	20	
Thallium	<0.00500		0.0500	0.0464		mg/L		93	75 - 125	9	20	
Vanadium	<0.0100		0.500	0.472		mg/L		94	75 - 125	6	20	
Zinc	0.0511		0.500	0.520		mg/L		94	75 - 125	5	20	

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 11K3357-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3357**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3357\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000100		0.000200	0.000100	mg/L		11/14/11 10:30	11/14/11 14:53	1.00

**Lab Sample ID: 11K3357-BS1**

**Matrix: Water**

**Analysis Batch: 11K3357**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3357\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Mercury	0.00100	0.00109		mg/L		109	80 - 120	

**Lab Sample ID: 11K3357-BSD1**

**Matrix: Water**

**Analysis Batch: 11K3357**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3357\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Mercury	0.00100	0.00110		mg/L		110	80 - 120	0.8	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 11K3357-MS1**  
**Matrix: Water**  
**Analysis Batch: 11K3357**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11K3357\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.00108		mg/L		108	75 - 125

**Lab Sample ID: 11K3357-MSD1**  
**Matrix: Water**  
**Analysis Batch: 11K3357**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11K3357\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.00107		mg/L		107	75 - 125	1	20

**Lab Sample ID: 11K3859-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11K3859**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K3859\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		11/16/11 08:55	11/16/11 14:46	1.00

**Lab Sample ID: 11K3859-BS1**  
**Matrix: Water**  
**Analysis Batch: 11K3859**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11K3859\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00100	0.000977		mg/L		98	80 - 120

**Lab Sample ID: 11K3859-MS1**  
**Matrix: Water**  
**Analysis Batch: 11K3859**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11K3859\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.00103		mg/L		103	75 - 125

**Lab Sample ID: 11K3859-MSD1**  
**Matrix: Water**  
**Analysis Batch: 11K3859**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11K3859\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.000985		mg/L		99	75 - 125	4	20

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 11K3365-BLK1**  
**Matrix: Water**  
**Analysis Batch: U020208**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3365\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		11/15/11 09:40	11/15/11 15:31	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 11K3365-BS1**  
**Matrix: Water**  
**Analysis Batch: U020208**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3365\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00100	0.00106		mg/L		106	80 - 120

**Lab Sample ID: 11K3365-MS1**  
**Matrix: Water**  
**Analysis Batch: U020208**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3365\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.000906		mg/L		91	75 - 125

**Lab Sample ID: 11K3365-MSD1**  
**Matrix: Water**  
**Analysis Batch: U020208**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3365\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.000809		mg/L		81	75 - 125	11	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 11K3378-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 11K3378**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K3378\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.048		0.097	0.048	mg/kg wet		11/14/11 13:15	11/14/11 16:25	1.0

**Lab Sample ID: 11K3378-BS1**  
**Matrix: Soil**  
**Analysis Batch: 11K3378**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11K3378\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.167	0.18		mg/kg wet		107	80 - 120

**Lab Sample ID: 11K3378-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 11K3378**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 11K3378\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.166	0.18		mg/kg wet		107	80 - 120	0.3	20

**Lab Sample ID: 11K3378-MS1**  
**Matrix: Soil**  
**Analysis Batch: 11K3378**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11K3378\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.051		0.173	0.19		mg/kg dry	☼	109	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Method: SW846 7471B - Mercury by EPA Method 7471B (Continued)

**Lab Sample ID: 11K3378-MSD1**

**Matrix: Soil**

**Analysis Batch: 11K3378**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3378\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	<0.051		0.172	0.17		mg/kg dry	☼	101	80 - 120	8	20

## Method: SW-846 - General Chemistry Parameters

**Lab Sample ID: 11K5634-DUP1**

**Matrix: Soil**

**Analysis Batch: 11K5634**

**Client Sample ID: Duplicate**

**Prep Type: Total**

**Prep Batch: 11K5634\_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Dry Solids	88.9		87.9		%		1	20

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## GCMS Volatiles

### Analysis Batch: U020213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3094-BLK1	Method Blank	Total	Water	SW846 8260B	11K3094_P
11K3094-BS1	Lab Control Sample	Total	Water	SW846 8260B	11K3094_P
11K3094-MS1	Tract 28 TW-1 (40-44)	Total	Water	SW846 8260B	11K3094_P
11K3094-MSD1	Tract 28 TW-1 (40-44)	Total	Water	SW846 8260B	11K3094_P
NUK1792-01	Tract 35 TW-4 (16-20)	Total	Ground Water	SW846 8260B	11K3094_P
NUK1792-04	Tract 35 TW-5 (0-10)	Total	Ground Water	SW846 8260B	11K3094_P
NUK1792-06	Tract 28 TW-1 (40-44)	Total	Ground Water	SW846 8260B	11K3094_P
NUK1792-07	Trip Blank	Total	Water	SW846 8260B	11K3094_P

### Analysis Batch: U020362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3920-BLK1	Method Blank	Total	Soil	SW846 8260B	11K3920_P
11K3920-BLK2	Method Blank	Total	Soil	SW846 8260B	11K3920_P
11K3920-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11K3920_P
11K3920-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11K3920_P
11K3920-MS1	Matrix Spike	Total	Soil	SW846 8260B	11K3920_P
11K3920-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11K3920_P
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	SW846 8260B	11K3920_P
NUK1792-05	Tract 28 SB-1 (0-2)	Total	Soil	SW846 8260B	11K3920_P

### Analysis Batch: U020516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K4251-BLK1	Method Blank	Total	Soil	SW846 8260B	11K4251_P
11K4251-BLK2	Method Blank	Total	Soil	SW846 8260B	11K4251_P
11K4251-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11K4251_P
11K4251-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11K4251_P
11K4251-MS1	Matrix Spike	Total	Soil	SW846 8260B	11K4251_P
11K4251-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11K4251_P
NUK1792-02 - RE1	Tract 35 SB-5 (0-2)	Total	Soil	SW846 8260B	11K4251_P

### Prep Batch: 11K3094\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3094-BLK1	Method Blank	Total	Water	EPA 5030B	11K3094_P
11K3094-BS1	Lab Control Sample	Total	Water	EPA 5030B	11K3094_P
11K3094-MS1	Tract 28 TW-1 (40-44)	Total	Water	EPA 5030B	11K3094_P
11K3094-MSD1	Tract 28 TW-1 (40-44)	Total	Water	EPA 5030B	11K3094_P
NUK1792-01	Tract 35 TW-4 (16-20)	Total	Ground Water	EPA 5030B	11K3094_P
NUK1792-04	Tract 35 TW-5 (0-10)	Total	Ground Water	EPA 5030B	11K3094_P
NUK1792-06	Tract 28 TW-1 (40-44)	Total	Ground Water	EPA 5030B	11K3094_P
NUK1792-07	Trip Blank	Total	Water	EPA 5030B	11K3094_P

### Prep Batch: 11K3920\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3920-BLK1	Method Blank	Total	Soil	EPA 5035	11K3920_P
11K3920-BLK2	Method Blank	Total	Soil	EPA 5035	11K3920_P
11K3920-BS1	Lab Control Sample	Total	Soil	EPA 5035	11K3920_P
11K3920-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	11K3920_P
11K3920-MS1	Matrix Spike	Total	Soil	EPA 5035	11K3920_P
11K3920-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	11K3920_P
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	EPA 5035	11K3920_P
NUK1792-05	Tract 28 SB-1 (0-2)	Total	Soil	EPA 5035	11K3920_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## GCMS Volatiles (Continued)

### Prep Batch: 11K4251\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K4251-BLK1	Method Blank	Total	Soil	EPA 5035	
11K4251-BLK2	Method Blank	Total	Soil	EPA 5035	
11K4251-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11K4251-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11K4251-MS1	Matrix Spike	Total	Soil	EPA 5035	
11K4251-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NUK1792-02 - RE1	Tract 35 SB-5 (0-2)	Total	Soil	EPA 5035	

## GCMS Semivolatiles

### Analysis Batch: 11K3448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3448-BLK1	Method Blank	Total	Water	SW846 8270D	11K3448_P
11K3448-BS1	Lab Control Sample	Total	Water	SW846 8270D	11K3448_P
11K3448-BSD1	Lab Control Sample Dup	Total	Water	SW846 8270D	11K3448_P
11K3448-MS1	Matrix Spike	Total	Water	SW846 8270D	11K3448_P
11K3448-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8270D	11K3448_P
NUK1792-01	Tract 35 TW-4 (16-20)	Total	Ground Water	SW846 8270D	11K3448_P
NUK1792-04	Tract 35 TW-5 (0-10)	Total	Ground Water	SW846 8270D	11K3448_P
NUK1792-06	Tract 28 TW-1 (40-44)	Total	Ground Water	SW846 8270D	11K3448_P

### Analysis Batch: 11K3481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3481-BLK1	Method Blank	Total	Soil	SW846 8270D	11K3481_P
11K3481-BS1	Lab Control Sample	Total	Soil	SW846 8270D	11K3481_P
11K3481-MS1	Matrix Spike	Total	Soil	SW846 8270D	11K3481_P
11K3481-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8270D	11K3481_P
NUK1792-02 - RE1	Tract 35 SB-5 (0-2)	Total	Soil	SW846 8270D	11K3481_P
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	SW846 8270D	11K3481_P
NUK1792-05	Tract 28 SB-1 (0-2)	Total	Soil	SW846 8270D	11K3481_P

### Prep Batch: 11K3448\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3448-BLK1	Method Blank	Total	Water	EPA 3510C	
11K3448-BS1	Lab Control Sample	Total	Water	EPA 3510C	
11K3448-BSD1	Lab Control Sample Dup	Total	Water	EPA 3510C	
11K3448-MS1	Matrix Spike	Total	Water	EPA 3510C	
11K3448-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3510C	
NUK1792-01	Tract 35 TW-4 (16-20)	Total	Ground Water	EPA 3510C	
NUK1792-04	Tract 35 TW-5 (0-10)	Total	Ground Water	EPA 3510C	
NUK1792-06	Tract 28 TW-1 (40-44)	Total	Ground Water	EPA 3510C	

### Prep Batch: 11K3481\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3481-BLK1	Method Blank	Total	Soil	EPA 3550C	
11K3481-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
11K3481-MS1	Matrix Spike	Total	Soil	EPA 3550C	
11K3481-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550C	
NUK1792-02 - RE1	Tract 35 SB-5 (0-2)	Total	Soil	EPA 3550C	
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	EPA 3550C	
NUK1792-05	Tract 28 SB-1 (0-2)	Total	Soil	EPA 3550C	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Pesticides

### Analysis Batch: U020129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3585-BLK1	Method Blank	Total	Water	SW846 8081B	11K3585_P
11K3585-BS1	Lab Control Sample	Total	Water	SW846 8081B	11K3585_P
11K3585-BS2	Lab Control Sample	Total	Water	SW846 8081B	11K3585_P
NUK1792-01	Tract 35 TW-4 (16-20)	Total	Ground Water	SW846 8081B	11K3585_P
NUK1792-04	Tract 35 TW-5 (0-10)	Total	Ground Water	SW846 8081B	11K3585_P
NUK1792-06	Tract 28 TW-1 (40-44)	Total	Ground Water	SW846 8081B	11K3585_P

### Analysis Batch: U020167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3426-BLK1	Method Blank	Total	Water	SW846 8082A	11K3426_P
11K3426-BS1	Lab Control Sample	Total	Water	SW846 8082A	11K3426_P
11K3479-BLK1	Method Blank	Total	Soil	SW846 8082A	11K3479_P
11K3479-BS1	Lab Control Sample	Total	Soil	SW846 8082A	11K3479_P
NUK1792-01	Tract 35 TW-4 (16-20)	Total	Ground Water	SW846 8082A	11K3426_P
NUK1792-04	Tract 35 TW-5 (0-10)	Total	Ground Water	SW846 8082A	11K3426_P
NUK1792-06	Tract 28 TW-1 (40-44)	Total	Ground Water	SW846 8082A	11K3426_P

### Analysis Batch: U020262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3592-BLK1	Method Blank	Total	Soil	SW846 8081B	11K3592_P
11K3592-BS1	Lab Control Sample	Total	Soil	SW846 8081B	11K3592_P
11K3592-BS2	Lab Control Sample	Total	Soil	SW846 8081B	11K3592_P
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	SW846 8081B	11K3592_P

### Analysis Batch: U020297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1792-02 - RE1	Tract 35 SB-5 (0-2)	Total	Soil	SW846 8081B	11K3592_P
NUK1792-03 - RE1	Tract 35 SB-5 (4-8)	Total	Soil	SW846 8081B	11K3592_P
NUK1792-05 - RE1	Tract 28 SB-1 (0-2)	Total	Soil	SW846 8081B	11K3592_P

### Analysis Batch: U020318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	SW846 8082A	11K3479_P
NUK1792-05	Tract 28 SB-1 (0-2)	Total	Soil	SW846 8082A	11K3479_P

### Analysis Batch: U020393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1792-02 - RE2	Tract 35 SB-5 (0-2)	Total	Soil	SW846 8081B	11K3592_P

### Analysis Batch: U020395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1792-02	Tract 35 SB-5 (0-2)	Total	Soil	SW846 8082A	11K3479_P

### Prep Batch: 11K3426\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3426-BLK1	Method Blank	Total	Water	EPA 3510C/3665A	
11K3426-BS1	Lab Control Sample	Total	Water	EPA 3510C/3665A	
NUK1792-01	Tract 35 TW-4 (16-20)	Total	Ground Water	EPA 3510C/3665A	
NUK1792-04	Tract 35 TW-5 (0-10)	Total	Ground Water	EPA 3510C/3665A	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Pesticides (Continued)

### Prep Batch: 11K3426\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1792-06	Tract 28 TW-1 (40-44)	Total	Ground Water	EPA 3510C/3665A	

### Prep Batch: 11K3479\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3479-BLK1	Method Blank	Total	Soil	EPA 3550C/3665A	
11K3479-BS1	Lab Control Sample	Total	Soil	EPA 3550C/3665A	
NUK1792-02	Tract 35 SB-5 (0-2)	Total	Soil	EPA 3550C/3665A	
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	EPA 3550C/3665A	
NUK1792-05	Tract 28 SB-1 (0-2)	Total	Soil	EPA 3550C/3665A	

### Prep Batch: 11K3585\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3585-BLK1	Method Blank	Total	Water	EPA 3510C	
11K3585-BS1	Lab Control Sample	Total	Water	EPA 3510C	
11K3585-BS2	Lab Control Sample	Total	Water	EPA 3510C	
NUK1792-01	Tract 35 TW-4 (16-20)	Total	Ground Water	EPA 3510C	
NUK1792-04	Tract 35 TW-5 (0-10)	Total	Ground Water	EPA 3510C	
NUK1792-06	Tract 28 TW-1 (40-44)	Total	Ground Water	EPA 3510C	

### Prep Batch: 11K3592\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3592-BLK1	Method Blank	Total	Soil	EPA 3550C	
11K3592-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
11K3592-BS2	Lab Control Sample	Total	Soil	EPA 3550C	
NUK1792-02 - RE1	Tract 35 SB-5 (0-2)	Total	Soil	EPA 3550C	
NUK1792-02 - RE2	Tract 35 SB-5 (0-2)	Total	Soil	EPA 3550C	
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	EPA 3550C	
NUK1792-03 - RE1	Tract 35 SB-5 (4-8)	Total	Soil	EPA 3550C	
NUK1792-05 - RE1	Tract 28 SB-1 (0-2)	Total	Soil	EPA 3550C	

## Metals

### Analysis Batch: 11K3357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3357-BLK1	Method Blank	Total	Water	SW846 7470A	11K3357_P
11K3357-BS1	Lab Control Sample	Total	Water	SW846 7470A	11K3357_P
11K3357-BSD1	Lab Control Sample Dup	Total	Water	SW846 7470A	11K3357_P
11K3357-MS1	Matrix Spike	Total	Water	SW846 7470A	11K3357_P
11K3357-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	11K3357_P
NUK1792-04	Tract 35 TW-5 (0-10)	Total	Ground Water	SW846 7470A	11K3357_P
NUK1792-06	Tract 28 TW-1 (40-44)	Total	Ground Water	SW846 7470A	11K3357_P

### Analysis Batch: 11K3365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1792-01	Tract 35 TW-4 (16-20)	Dissolved	Ground Water	SW846 7470A	11K3365_P
NUK1792-04	Tract 35 TW-5 (0-10)	Dissolved	Ground Water	SW846 7470A	11K3365_P
NUK1792-06	Tract 28 TW-1 (40-44)	Dissolved	Ground Water	SW846 7470A	11K3365_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Metals (Continued)

### Analysis Batch: 11K3378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3378-BLK1	Method Blank	Total	Soil	SW846 7471B	11K3378_P
11K3378-BS1	Lab Control Sample	Total	Soil	SW846 7471B	11K3378_P
11K3378-BSD1	Lab Control Sample Dup	Total	Soil	SW846 7471B	11K3378_P
11K3378-MS1	Matrix Spike	Total	Soil	SW846 7471B	11K3378_P
11K3378-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	11K3378_P
NUK1792-02	Tract 35 SB-5 (0-2)	Total	Soil	SW846 7471B	11K3378_P
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	SW846 7471B	11K3378_P
NUK1792-05	Tract 28 SB-1 (0-2)	Total	Soil	SW846 7471B	11K3378_P

### Analysis Batch: 11K3402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3402-BLK1	Method Blank	Total	Water	SW846 6010C	11K3402_P
11K3402-BS1	Lab Control Sample	Total	Water	SW846 6010C	11K3402_P
11K3402-BSD1	Lab Control Sample Dup	Total	Water	SW846 6010C	11K3402_P
11K3402-MS1	Matrix Spike	Total	Water	SW846 6010C	11K3402_P
11K3402-MSD1	Matrix Spike Duplicate	Total	Water	SW846 6010C	11K3402_P
NUK1792-01	Tract 35 TW-4 (16-20)	Total	Ground Water	SW846 6010C	11K3402_P
NUK1792-04	Tract 35 TW-5 (0-10)	Total	Ground Water	SW846 6010C	11K3402_P
NUK1792-06	Tract 28 TW-1 (40-44)	Total	Ground Water	SW846 6010C	11K3402_P

### Analysis Batch: 11K3436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3436-BLK1	Method Blank	Dissolved	Water	SW846 6010C	11K3436_P
11K3436-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	11K3436_P
11K3436-BSD1	Lab Control Sample Dup	Dissolved	Water	SW846 6010C	11K3436_P
11K3436-MS1	Matrix Spike	Dissolved	Water	SW846 6010C	11K3436_P
11K3436-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 6010C	11K3436_P
NUK1792-01	Tract 35 TW-4 (16-20)	Dissolved	Ground Water	SW846 6010C	11K3436_P
NUK1792-04	Tract 35 TW-5 (0-10)	Dissolved	Ground Water	SW846 6010C	11K3436_P
NUK1792-06	Tract 28 TW-1 (40-44)	Dissolved	Ground Water	SW846 6010C	11K3436_P

### Analysis Batch: 11K3444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3444-BLK1	Method Blank	Total	Soil	SW846 6010C	11K3444_P
11K3444-BS1	Lab Control Sample	Total	Soil	SW846 6010C	11K3444_P
11K3444-BSD1	Lab Control Sample Dup	Total	Soil	SW846 6010C	11K3444_P
11K3444-MS1	Tract 35 SB-5 (0-2)	Total	Soil	SW846 6010C	11K3444_P
11K3444-MSD1	Tract 35 SB-5 (0-2)	Total	Soil	SW846 6010C	11K3444_P
NUK1792-02	Tract 35 SB-5 (0-2)	Total	Soil	SW846 6010C	11K3444_P
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	SW846 6010C	11K3444_P
NUK1792-05	Tract 28 SB-1 (0-2)	Total	Soil	SW846 6010C	11K3444_P

### Analysis Batch: 11K3859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3859-BLK1	Method Blank	Total	Water	SW846 7470A	11K3859_P
11K3859-BS1	Lab Control Sample	Total	Water	SW846 7470A	11K3859_P
11K3859-MS1	Matrix Spike	Total	Water	SW846 7470A	11K3859_P
11K3859-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	11K3859_P
NUK1792-01	Tract 35 TW-4 (16-20)	Total	Ground Water	SW846 7470A	11K3859_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Metals (Continued)

### Analysis Batch: U020208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3365-BLK1	Method Blank	Dissolved	Water	SW846 7470A	11K3365_P
11K3365-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	11K3365_P
11K3365-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	11K3365_P
11K3365-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	11K3365_P

### Prep Batch: 11K3357\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3357-BLK1	Method Blank	Total	Water	EPA 7470	
11K3357-BS1	Lab Control Sample	Total	Water	EPA 7470	
11K3357-BSD1	Lab Control Sample Dup	Total	Water	EPA 7470	
11K3357-MS1	Matrix Spike	Total	Water	EPA 7470	
11K3357-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NUK1792-04	Tract 35 TW-5 (0-10)	Total	Ground Water	EPA 7470	
NUK1792-06	Tract 28 TW-1 (40-44)	Total	Ground Water	EPA 7470	

### Prep Batch: 11K3365\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3365-BLK1	Method Blank	Dissolved	Water	EPA 7470	
11K3365-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
11K3365-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
11K3365-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	
NUK1792-01	Tract 35 TW-4 (16-20)	Dissolved	Ground Water	EPA 7470	
NUK1792-04	Tract 35 TW-5 (0-10)	Dissolved	Ground Water	EPA 7470	
NUK1792-06	Tract 28 TW-1 (40-44)	Dissolved	Ground Water	EPA 7470	

### Prep Batch: 11K3378\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3378-BLK1	Method Blank	Total	Soil	EPA 7471	
11K3378-BS1	Lab Control Sample	Total	Soil	EPA 7471	
11K3378-BSD1	Lab Control Sample Dup	Total	Soil	EPA 7471	
11K3378-MS1	Matrix Spike	Total	Soil	EPA 7471	
11K3378-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NUK1792-02	Tract 35 SB-5 (0-2)	Total	Soil	EPA 7471	
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	EPA 7471	
NUK1792-05	Tract 28 SB-1 (0-2)	Total	Soil	EPA 7471	

### Prep Batch: 11K3402\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3402-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
11K3402-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
11K3402-BSD1	Lab Control Sample Dup	Total	Water	EPA 3010A / 6010	
11K3402-MS1	Matrix Spike	Total	Water	EPA 3010A / 6010	
11K3402-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3010A / 6010	
NUK1792-01	Tract 35 TW-4 (16-20)	Total	Ground Water	EPA 3010A / 6010	
NUK1792-04	Tract 35 TW-5 (0-10)	Total	Ground Water	EPA 3010A / 6010	
NUK1792-06	Tract 28 TW-1 (40-44)	Total	Ground Water	EPA 3010A / 6010	



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Metals (Continued)

### Prep Batch: 11K3436\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3436-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K3436-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K3436-BSD1	Lab Control Sample Dup	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K3436-MS1	Matrix Spike	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K3436-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NUK1792-01	Tract 35 TW-4 (16-20)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NUK1792-04	Tract 35 TW-5 (0-10)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NUK1792-06	Tract 28 TW-1 (40-44)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

### Prep Batch: 11K3444\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3444-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
11K3444-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
11K3444-BSD1	Lab Control Sample Dup	Total	Soil	EPA 3051A/6010	
11K3444-MS1	Tract 35 SB-5 (0-2)	Total	Soil	EPA 3051A/6010	
11K3444-MSD1	Tract 35 SB-5 (0-2)	Total	Soil	EPA 3051A/6010	
NUK1792-02	Tract 35 SB-5 (0-2)	Total	Soil	EPA 3051A/6010	
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	EPA 3051A/6010	
NUK1792-05	Tract 28 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	

### Prep Batch: 11K3859\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3859-BLK1	Method Blank	Total	Water	EPA 7470	
11K3859-BS1	Lab Control Sample	Total	Water	EPA 7470	
11K3859-MS1	Matrix Spike	Total	Water	EPA 7470	
11K3859-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NUK1792-01	Tract 35 TW-4 (16-20)	Total	Ground Water	EPA 7470	

## Extractions

### Analysis Batch: 11K5634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K5634-DUP1	Duplicate	Total	Soil	SW-846	11K5634_P
NUK1792-02	Tract 35 SB-5 (0-2)	Total	Soil	SW-846	11K5634_P
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	SW-846	11K5634_P
NUK1792-05	Tract 28 SB-1 (0-2)	Total	Soil	SW-846	11K5634_P

### Prep Batch: 11K5634\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K5634-DUP1	Duplicate	Total	Soil	% Solids	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

## Extractions (Continued)

### Prep Batch: 11K5634\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1792-02	Tract 35 SB-5 (0-2)	Total	Soil	% Solids	
NUK1792-03	Tract 35 SB-5 (4-8)	Total	Soil	% Solids	
NUK1792-05	Tract 28 SB-1 (0-2)	Total	Soil	% Solids	



# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 TW-4 (16-20)**

**Lab Sample ID: NUK1792-01**

**Date Collected: 11/10/11 08:15**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K3094_P	11/12/11 14:28	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020213	11/13/11 08:13	JJR	TAL NSH
Total	Prep	EPA 3510C		0.962	11K3448_P	11/14/11 12:40	MSR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3448	11/15/11 04:29	KJP	TAL NSH
Total	Prep	EPA 3510C		0.0931	11K3585_P	11/15/11 06:15	KDJ	TAL NSH
Total	Analysis	SW846 8081B		1.00	U020129	11/15/11 13:48	WAM	TAL NSH
Total	Prep	EPA 3510C/3665A		0.962	11K3426_P	11/14/11 14:30	RCH2	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020167	11/16/11 02:22	RMC	TAL NSH
Dissolved	Prep	EPA 3010A / 6010		1.00	11K3436_P	11/16/11 06:10	ALJ	TAL NSH
Dissolved	Analysis	Dissolved SW846 6010C		1.00	11K3436	11/16/11 20:07	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	11K3402_P	11/15/11 07:00	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3402	11/15/11 15:26	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K3365_P	11/15/11 09:40	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K3365	11/15/11 16:02	DEB	TAL NSH
Total	Prep	EPA 7470		1.00	11K3859_P	11/16/11 08:55	DEB	TAL NSH
Total	Analysis	SW846 7470A		1.00	11K3859	11/16/11 14:53	DEB	TAL NSH

**Client Sample ID: Tract 35 SB-5 (0-2)**

**Lab Sample ID: NUK1792-02**

**Date Collected: 11/10/11 10:15**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 86.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	0.730	11K4251_P	11/10/11 10:15	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U020516	11/16/11 16:48	MJH	TAL NSH
Total	Prep	EPA 3550C	RE1	0.991	11K3481_P	11/15/11 07:32	JJR	TAL NSH
Total	Analysis	SW846 8270D	RE1	5.00	11K3481	11/20/11 17:06	KJP	TAL NSH
Total	Prep	EPA 3550C/3665A		0.986	11K3479_P	11/15/11 06:46	JJR	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020395	11/18/11 16:15	WAM	TAL NSH
Total	Prep	EPA 3550C	RE1	0.996	11K3592_P	11/15/11 08:57	AJM	TAL NSH
Total	Analysis	SW846 8081B	RE1	2.00	U020297	11/17/11 19:14	WAM	TAL NSH
Total	Prep	EPA 3550C	RE2	0.996	11K3592_P	11/15/11 08:57	AJM	TAL NSH
Total	Analysis	SW846 8081B	RE2	20.0	U020393	11/18/11 11:17	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		1.01	11K3444_P	11/15/11 09:49	RDS	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3444	11/16/11 02:37	LTB	TAL NSH
Total	Prep	EPA 7471		1.0	11K3378_P	11/14/11 13:15	RDS	TAL NSH
Total	Analysis	SW846 7471B		1.0	11K3378	11/14/11 17:05	MB	TAL NSH
Total	Prep	% Solids		1.00	11K5634_P	11/22/11 13:00	MAH	TAL NSH
Total	Analysis	SW-846		1.00	11K5634	11/23/11 09:32	RRS	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 35 SB-5 (4-8)**

**Lab Sample ID: NUK1792-03**

**Date Collected: 11/10/11 10:30**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 81.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.733	11K3920_P	11/10/11 10:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020362	11/15/11 21:40	MJH	TAL NSH
Total	Prep	EPA 3550C		0.993	11K3481_P	11/15/11 07:32	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3481	11/15/11 22:23	KJP	TAL NSH
Total	Prep	EPA 3550C		0.984	11K3592_P	11/15/11 08:57	AJM	TAL NSH
Total	Analysis	SW846 8081B		1.00	U020262	11/16/11 19:42	WAM	TAL NSH
Total	Prep	EPA 3550C/3665A		0.979	11K3479_P	11/15/11 06:46	JJR	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020318	11/17/11 16:24	RMC	TAL NSH
Total	Prep	EPA 3550C	RE1	0.984	11K3592_P	11/15/11 08:57	AJM	TAL NSH
Total	Analysis	SW846 8081B	RE1	1.00	U020297	11/17/11 18:32	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		0.971	11K3444_P	11/15/11 09:49	RDS	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3444	11/16/11 16:23	LTB	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3444	11/16/11 02:56	LTB	TAL NSH
Total	Prep	EPA 7471		0.96	11K3378_P	11/14/11 13:15	RDS	TAL NSH
Total	Analysis	SW846 7471B		1.0	11K3378	11/14/11 17:08	MB	TAL NSH
Total	Prep	% Solids		1.00	11K5634_P	11/22/11 13:00	MAH	TAL NSH
Total	Analysis	SW-846		1.00	11K5634	11/23/11 09:32	RRS	TAL NSH

**Client Sample ID: Tract 35 TW-5 (0-10)**

**Lab Sample ID: NUK1792-04**

**Date Collected: 11/10/11 11:30**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K3094_P	11/12/11 14:28	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020213	11/13/11 08:41	JJR	TAL NSH
Total	Prep	EPA 3510C		1.00	11K3448_P	11/14/11 12:40	MSR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3448	11/15/11 04:50	KJP	TAL NSH
Total	Prep	EPA 3510C		0.971	11K3585_P	11/15/11 06:15	KDJ	TAL NSH
Total	Analysis	SW846 8081B		1.00	U020129	11/15/11 14:02	WAM	TAL NSH
Total	Prep	EPA 3510C/3665A		0.962	11K3426_P	11/14/11 14:30	RCH2	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020167	11/16/11 02:44	RMC	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K3436_P	11/16/11 06:10	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	11K3436	11/16/11 20:10	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	11K3402_P	11/15/11 07:00	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3402	11/15/11 15:30	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K3365_P	11/15/11 09:40	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K3365	11/15/11 16:08	DEB	TAL NSH
Total	Prep	EPA 7470		1.00	11K3357_P	11/14/11 10:30	DEB	TAL NSH
Total	Analysis	SW846 7470A		1.00	11K3357	11/14/11 15:48	DEB	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Tract 28 SB-1 (0-2)**

**Lab Sample ID: NUK1792-05**

**Date Collected: 11/10/11 14:10**

**Matrix: Soil**

**Date Received: 11/12/11 08:30**

**Percent Solids: 81.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.893	11K3920_P	11/10/11 14:10	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020362	11/15/11 22:12	MJH	TAL NSH
Total	Prep	EPA 3550C		0.998	11K3481_P	11/15/11 07:32	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3481	11/15/11 22:42	KJP	TAL NSH
Total	Prep	EPA 3550C/3665A		0.978	11K3479_P	11/15/11 06:46	JJR	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020318	11/17/11 16:46	RMC	TAL NSH
Total	Prep	EPA 3550C	RE1	0.995	11K3592_P	11/15/11 08:57	AJM	TAL NSH
Total	Analysis	SW846 8081B	RE1	2.00	U020297	11/17/11 19:29	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		0.969	11K3444_P	11/15/11 09:49	RDS	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3444	11/16/11 16:27	LTB	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3444	11/16/11 02:59	LTB	TAL NSH
Total	Prep	EPA 7471		0.99	11K3378_P	11/14/11 13:15	RDS	TAL NSH
Total	Analysis	SW846 7471B		1.0	11K3378	11/14/11 17:10	MB	TAL NSH
Total	Prep	% Solids		1.00	11K5634_P	11/22/11 13:00	MAH	TAL NSH
Total	Analysis	SW-846		1.00	11K5634	11/23/11 09:32	RRS	TAL NSH

**Client Sample ID: Tract 28 TW-1 (40-44)**

**Lab Sample ID: NUK1792-06**

**Date Collected: 11/10/11 17:30**

**Matrix: Ground Water**

**Date Received: 11/12/11 08:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K3094_P	11/12/11 14:28	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020213	11/13/11 09:08	JJR	TAL NSH
Total	Prep	EPA 3510C		0.980	11K3448_P	11/14/11 12:40	MSR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3448	11/15/11 05:12	KJP	TAL NSH
Total	Prep	EPA 3510C		0.980	11K3585_P	11/15/11 06:15	KDJ	TAL NSH
Total	Analysis	SW846 8081B		1.00	U020129	11/15/11 14:16	WAM	TAL NSH
Total	Prep	EPA 3510C/3665A		0.990	11K3426_P	11/14/11 14:30	RCH2	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020167	11/16/11 03:06	RMC	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K3436_P	11/16/11 06:10	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	11K3436	11/16/11 20:13	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	11K3402_P	11/15/11 07:00	CAT	TAL NSH
Total	Analysis	SW846 6010C		5.00	11K3402	11/16/11 14:17	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K3365_P	11/15/11 09:40	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K3365	11/15/11 16:10	DEB	TAL NSH
Total	Prep	EPA 7470		1.00	11K3357_P	11/14/11 10:30	DEB	TAL NSH
Total	Analysis	SW846 7470A		1.00	11K3357	11/14/11 15:50	DEB	TAL NSH

**Client Sample ID: Trip Blank**

**Lab Sample ID: NUK1792-07**

**Date Collected: 11/10/11 00:01**

**Matrix: Water**

**Date Received: 11/12/11 08:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K3094_P	11/12/11 14:28	TSP	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

**Client Sample ID: Trip Blank**

**Lab Sample ID: NUK1792-07**

**Date Collected: 11/10/11 00:01**

**Matrix: Water**

**Date Received: 11/12/11 08:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	SW846 8260B		1.00	U020213	11/13/11 03:38	JJR	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 8081B	Organochlorine Pesticides by EPA Method 8081B		TAL NSH
SW846 8082A	Polychlorinated Biphenyls by EPA Method 8082A		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Certification Summary

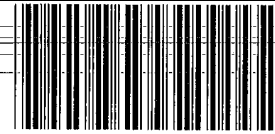
Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1792

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.





## COOLER RECEIPT

NUK1792

Cooler Received/Opened On 11/12/2011@ 8:30

1. Tracking # 6041 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 0.8 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) JH

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO..NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES NO..NA

14. Was there a Trip Blank in this cooler? YES NO..NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES..NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (Ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) W

I certify that I attached a label with the unique LIMS number to each container (initial) W

21. Were there Non-Conformance issues at login? YES..NO Was a PIPE generated? YES..NO..# \_\_\_\_\_



COOLER RECEIPT FORM

Cooler Received/Opened On 11/12/2011 @ 0830

1. Tracking # 6052 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 95610068

2. Temperature of rep. sample or temp blank when opened: 1.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) OC

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1792-07

I certify that I unloaded the cooler and answered questions 7-14 (initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) W

I certify that I attached a label with the unique LIMS number to each container (initial) W

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO..#

#10) TW-4 - one vial B.I.S. W

COOLER RECEIPT FORM

Cooler Received/Opened On 11/12/2011 @ 08:30

1. Tracking # 8740 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.0 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2-Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) P.A.

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (Initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) W

I certify that I attached a label with the unique LIMS number to each container (Initial) W

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NUK1675  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
11/23/2011 5:57:22 PM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUK1675-01	Tract 35 SB-1 (0-2)	Soil	11/09/11 08:00	11/11/11 08:30
NUK1675-02	Tract 35 SB-1 (12-16)	Soil	11/08/11 15:30	11/11/11 08:30
NUK1675-03	Tract 35 TW-1 (40-44)	Ground Water	11/08/11 16:30	11/11/11 08:30
NUK1675-04	Tract 35 SB-2 (0-2)	Soil	11/09/11 10:15	11/11/11 08:30
NUK1675-05	Tract 35 SB-2 (24-28)	Soil	11/09/11 10:40	11/11/11 08:30
NUK1675-06	Tract 35 TW-2 (26-30)	Ground Water	11/09/11 11:15	11/11/11 08:30
NUK1675-07	Tract 35 SB-3 (0-2)	Soil	11/09/11 14:00	11/11/11 08:30
NUK1675-08	Tract 35 TW-3 (1-5)	Ground Water	11/09/11 14:30	11/11/11 08:30
NUK1675-09	Tract 35 SB-4 (0-2)	Soil	11/09/11 16:45	11/11/11 08:30
NUK1675-10	Tract 35 SB-4 (10-14)	Soil	11/09/11 17:00	11/11/11 08:30
NUK1675-11	Trip Blank	Water	11/08/11 00:01	11/11/11 08:30
NUK1675-12	Trip Blank	Water	11/08/11 00:01	11/11/11 08:30
NUK1675-13	Trip Blank	Water	11/08/11 00:01	11/11/11 08:30

# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
A-01	Sample contained too much sediment to run straight
P6	Sample received unpreserved, however the sample was analyzed within 7 days per EPA recommendation.
RL1	Reporting limit raised due to sample matrix effects.

### GCMS Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

### Pesticides

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
Z1	Surrogate recovery was above acceptance limits.
QSU	Sulfur (EPA 3660) clean-up performed on extract.
RL1	Reporting limit raised due to sample matrix effects.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.
M4	The MS/MSD required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
B1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
P7	Sample filtered in lab.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-1 (0-2)**

**Lab Sample ID: NUK1675-01**

**Date Collected: 11/09/11 08:00**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 56.5**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.0534</b>	<b>J</b>	0.0936	0.0468	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
<b>Benzene</b>	<b>0.00312</b>	<b>J</b>	0.00374	0.00206	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Bromochloromethane	<0.00225		0.00374	0.00225	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Bromodichloromethane	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Bromoform	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Bromomethane	<0.00225		0.00374	0.00225	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
2-Butanone	<0.0468		0.0936	0.0468	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
<b>Carbon disulfide</b>	<b>0.0252</b>		0.00936	0.00674	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Carbon Tetrachloride	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Chlorobenzene	<0.00206		0.00374	0.00206	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Chlorodibromomethane	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Chloroethane	<0.00468		0.00936	0.00468	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Chloroform	<0.00243		0.00374	0.00243	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Chloromethane	<0.00206		0.00374	0.00206	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Cyclohexane	<0.00936		0.0187	0.00936	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,2-Dibromo-3-chloropropane	<0.00468		0.00936	0.00468	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,2-Dibromoethane (EDB)	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Methylcyclohexane	<0.00936		0.0187	0.00936	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,2-Dichlorobenzene	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,3-Dichlorobenzene	<0.00225		0.00374	0.00225	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,4-Dichlorobenzene	<0.00206		0.00374	0.00206	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Dichlorodifluoromethane	<0.00262		0.00374	0.00262	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,2-Dichloroethane	<0.00206		0.00374	0.00206	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,1-Dichloroethane	<0.00243		0.00374	0.00243	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,1-Dichloroethene	<0.00225		0.00374	0.00225	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
trans-1,2-Dichloroethene	<0.00243		0.00374	0.00243	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,1,2-Trifluorotrichloroethane	<0.00206		0.00374	0.00206	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
cis-1,2-Dichloroethene	<0.00206		0.00374	0.00206	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,2-Dichloropropane	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
trans-1,3-Dichloropropene	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
cis-1,3-Dichloropropene	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
<b>Ethylbenzene</b>	<b>0.00799</b>		0.00374	0.00206	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
2-Hexanone	<0.0468		0.0936	0.0468	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Isopropylbenzene	<0.00206		0.00374	0.00206	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Methyl Acetate	<0.00936		0.0187	0.00936	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Methyl tert-Butyl Ether	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Methylene Chloride	<0.00936		0.0187	0.00936	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
4-Methyl-2-pentanone	<0.0468		0.0936	0.0468	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Styrene	<0.00206		0.00374	0.00206	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,1,2,2-Tetrachloroethane	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Tetrachloroethene	<0.00243		0.00374	0.00243	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
<b>Toluene</b>	<b>0.00513</b>		0.00374	0.00206	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,2,4-Trichlorobenzene	<0.00225		0.00374	0.00225	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,2,3-Trichlorobenzene	<0.00206		0.00374	0.00206	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,1,1-Trichloroethane	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
1,1,2-Trichloroethane	<0.00468		0.00936	0.00468	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Trichloroethene	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Trichlorofluoromethane	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Vinyl chloride	<0.00187		0.00374	0.00187	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00
Xylenes, total	<0.00468		0.00936	0.00468	mg/kg dry	☼	11/09/11 08:00	11/14/11 22:12	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-1 (0-2)**

**Lab Sample ID: NUK1675-01**

**Date Collected: 11/09/11 08:00**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 56.5**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	108		70 - 130	11/09/11 08:00	11/14/11 22:12	1.00
Dibromofluoromethane	101		70 - 130	11/09/11 08:00	11/14/11 22:12	1.00
Toluene-d8	102		70 - 130	11/09/11 08:00	11/14/11 22:12	1.00
4-Bromofluorobenzene	114		70 - 130	11/09/11 08:00	11/14/11 22:12	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Acenaphthylene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Anthracene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Benzo (a) anthracene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Benzo (a) pyrene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Benzo (b) fluoranthene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Benzo (g,h,i) perylene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Benzo (k) fluoranthene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
4-Bromophenyl phenyl ether	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Butyl benzyl phthalate	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Carbazole	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
4-Chloro-3-methylphenol	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
4-Chloroaniline	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Bis(2-chloroethoxy)methane	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Bis(2-chloroethyl)ether	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Bis(2-chloroisopropyl)ether	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2-Chloronaphthalene	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2-Chlorophenol	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
4-Chlorophenyl phenyl ether	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Chrysene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Dibenz (a,h) anthracene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Dibenzofuran	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Di-n-butyl phthalate	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
1,4-Dichlorobenzene	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
1,2-Dichlorobenzene	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
1,3-Dichlorobenzene	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
3,3-Dichlorobenzidine	<0.288		1.15	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2,4-Dichlorophenol	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Diethyl phthalate	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2,4-Dimethylphenol	<0.331		0.574	0.331	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Dimethyl phthalate	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
4,6-Dinitro-2-methylphenol	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2,4-Dinitrophenol	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2,6-Dinitrotoluene	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2,4-Dinitrotoluene	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Di-n-octyl phthalate	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Bis(2-ethylhexyl)phthalate	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Fluoranthene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Fluorene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Hexachlorobenzene	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Hexachlorobutadiene	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Hexachlorocyclopentadiene	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Hexachloroethane	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Indeno (1,2,3-cd) pyrene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-1 (0-2)**

**Lab Sample ID: NUK1675-01**

**Date Collected: 11/09/11 08:00**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 56.5**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2-Methylnaphthalene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2-Methylphenol	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
3/4-Methylphenol	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Naphthalene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
3-Nitroaniline	<0.288		1.44	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2-Nitroaniline	<0.288		1.44	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
4-Nitroaniline	<0.288		1.44	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Nitrobenzene	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
4-Nitrophenol	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2-Nitrophenol	<0.338		0.574	0.338	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
N-Nitrosodiphenylamine	<0.316		0.574	0.316	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
N-Nitrosodi-n-propylamine	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Pentachlorophenol	<0.288		1.44	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Phenanthrene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Phenol	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
Pyrene	<0.0586		0.116	0.0586	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
1,2,4-Trichlorobenzene	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2,4,6-Trichlorophenol	<0.288		0.574	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00
2,4,5-Trichlorophenol	<0.288		1.44	0.288	mg/kg dry	☼	11/14/11 09:20	11/14/11 21:47	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	77		18 - 120	11/14/11 09:20	11/14/11 21:47	1.00
2,4,6-Tribromophenol	66		19 - 120	11/14/11 09:20	11/14/11 21:47	1.00
Phenol-d5	50		18 - 120	11/14/11 09:20	11/14/11 21:47	1.00
2-Fluorobiphenyl	57		14 - 120	11/14/11 09:20	11/14/11 21:47	1.00
2-Fluorophenol	48		17 - 120	11/14/11 09:20	11/14/11 21:47	1.00
Nitrobenzene-d5	56		17 - 120	11/14/11 09:20	11/14/11 21:47	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
delta-BHC	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
alpha-BHC	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
beta-BHC	<0.00146		0.00572	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
gamma-BHC (Lindane)	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
alpha-Chlordane	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
gamma-Chlordane	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
Chlordane	<0.0578		0.116	0.0578	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
4,4'-DDD	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
4,4'-DDE	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
4,4'-DDT	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
Dieldrin	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
Endosulfan I	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
Endosulfan II	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
Endosulfan sulfate	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
Endrin	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
Endrin aldehyde	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
Endrin ketone	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
Heptachlor	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
Heptachlor epoxide	<0.00146		0.00295	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Client Sample ID: Tract 35 SB-1 (0-2)

Lab Sample ID: NUK1675-01

Date Collected: 11/09/11 08:00

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 56.5

### Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.00146		0.00572	0.00146	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
Toxaphene	<0.0732		0.116	0.0732	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:44	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	104		21 - 145				11/14/11 08:25	11/16/11 09:44	1.00
Decachlorobiphenyl	116		25 - 150				11/14/11 08:25	11/16/11 09:44	1.00

### Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0366		0.0581	0.0366	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:00	1.00
PCB-1221	<0.0192		0.0581	0.0192	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:00	1.00
PCB-1232	<0.0279		0.0581	0.0279	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:00	1.00
PCB-1242	<0.0454		0.0581	0.0454	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:00	1.00
PCB-1248	<0.0524		0.0581	0.0524	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:00	1.00
PCB-1254	<0.0192		0.0581	0.0192	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:00	1.00
PCB-1260	<0.0489		0.0581	0.0489	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:00	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	94		19 - 147				11/14/11 09:00	11/15/11 09:00	1.00
Decachlorobiphenyl	90		20 - 150				11/14/11 09:00	11/15/11 09:00	1.00

### Method: SW846 6010C - Total Metals by EPA 6010C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>2470</b>		33.8	16.9	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
Antimony	<8.46		16.9	8.46	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
<b>Arsenic</b>	<b>5.82</b>		1.69	0.846	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
<b>Barium</b>	<b>5.58</b>		3.38	1.69	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
Beryllium	<0.846		1.69	0.846	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
Cadmium	<0.846		1.69	0.846	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
<b>Calcium</b>	<b>354000</b>		1690	846	mg/kg dry	☼	11/16/11 06:39	11/17/11 11:32	10.0
<b>Chromium</b>	<b>43.3</b>		1.69	0.846	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
Cobalt	<2.54		5.08	2.54	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
<b>Copper</b>	<b>8.02</b>		3.38	1.69	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
<b>Iron</b>	<b>3550</b>	<b>B1 B</b>	16.9	8.46	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
Lead	<0.846		1.69	0.846	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
<b>Magnesium</b>	<b>5180</b>		169	84.6	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
<b>Manganese</b>	<b>29.1</b>		5.08	2.54	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
<b>Nickel</b>	<b>24.5</b>		3.38	1.69	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
<b>Potassium</b>	<b>758</b>		169	84.6	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
Selenium	<1.69		3.38	1.69	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
Silver	<0.846		1.69	0.846	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
<b>Sodium</b>	<b>3610</b>		338	169	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
Thallium	<1.69		3.38	1.69	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
<b>Vanadium</b>	<b>19.1</b>		16.9	8.46	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00
<b>Zinc</b>	<b>45.8</b>		16.9	8.46	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:52	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.086		0.17	0.086	mg/kg dry	☼	11/17/11 10:40	11/17/11 13:31	1.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-1 (0-2)**

**Lab Sample ID: NUK1675-01**

**Date Collected: 11/09/11 08:00**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 56.5**

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	56.5		0.500	0.500	%		11/17/11 08:03	11/17/11 10:37	1.00

**Client Sample ID: Tract 35 SB-1 (12-16)**

**Lab Sample ID: NUK1675-02**

**Date Collected: 11/08/11 15:30**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 48.5**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0665	J	0.120	0.0601	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Benzene	<0.00264		0.00481	0.00264	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Bromochloromethane	<0.00289		0.00481	0.00289	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Bromodichloromethane	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Bromoform	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Bromomethane	<0.00289		0.00481	0.00289	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
2-Butanone	<0.0601		0.120	0.0601	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Carbon disulfide	<0.00866		0.0120	0.00866	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Carbon Tetrachloride	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Chlorobenzene	<0.00264		0.00481	0.00264	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Chlorodibromomethane	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Chloroethane	<0.00601		0.0120	0.00601	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Chloroform	<0.00313		0.00481	0.00313	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Chloromethane	<0.00264		0.00481	0.00264	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Cyclohexane	<0.0120		0.0240	0.0120	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,2-Dibromo-3-chloropropane	<0.00601		0.0120	0.00601	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,2-Dibromoethane (EDB)	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Methylcyclohexane	<0.0120		0.0240	0.0120	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,2-Dichlorobenzene	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,3-Dichlorobenzene	<0.00289		0.00481	0.00289	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,4-Dichlorobenzene	<0.00264		0.00481	0.00264	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Dichlorodifluoromethane	<0.00337		0.00481	0.00337	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,2-Dichloroethane	<0.00264		0.00481	0.00264	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,1-Dichloroethane	<0.00313		0.00481	0.00313	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,1-Dichloroethene	<0.00289		0.00481	0.00289	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
trans-1,2-Dichloroethene	<0.00313		0.00481	0.00313	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,1,2-Trifluorotrchloroethane	<0.00264		0.00481	0.00264	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
cis-1,2-Dichloroethene	<0.00264		0.00481	0.00264	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,2-Dichloropropane	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
trans-1,3-Dichloropropene	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
cis-1,3-Dichloropropene	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Ethylbenzene	<0.00264		0.00481	0.00264	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
2-Hexanone	<0.0601		0.120	0.0601	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Isopropylbenzene	<0.00264		0.00481	0.00264	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Methyl Acetate	<0.0120		0.0240	0.0120	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Methyl tert-Butyl Ether	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Methylene Chloride	<0.0120		0.0240	0.0120	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
4-Methyl-2-pentanone	<0.0601		0.120	0.0601	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Styrene	<0.00264		0.00481	0.00264	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,1,2,2-Tetrachloroethane	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Tetrachloroethene	<0.00313		0.00481	0.00313	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-1 (12-16)**

**Lab Sample ID: NUK1675-02**

**Date Collected: 11/08/11 15:30**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 48.5**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00264		0.00481	0.00264	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,2,4-Trichlorobenzene	<0.00289		0.00481	0.00289	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,2,3-Trichlorobenzene	<0.00264		0.00481	0.00264	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,1,1-Trichloroethane	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
1,1,2-Trichloroethane	<0.00601		0.0120	0.00601	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Trichloroethene	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Trichlorofluoromethane	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Vinyl chloride	<0.00240		0.00481	0.00240	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
Xylenes, total	<0.00601		0.0120	0.00601	mg/kg dry	☼	11/08/11 15:30	11/14/11 22:40	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	101		70 - 130				11/08/11 15:30	11/14/11 22:40	1.00
Dibromofluoromethane	98		70 - 130				11/08/11 15:30	11/14/11 22:40	1.00
Toluene-d8	100		70 - 130				11/08/11 15:30	11/14/11 22:40	1.00
4-Bromofluorobenzene	107		70 - 130				11/08/11 15:30	11/14/11 22:40	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Acenaphthylene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Anthracene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Benzo (a) anthracene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Benzo (a) pyrene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Benzo (b) fluoranthene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Benzo (g,h,i) perylene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Benzo (k) fluoranthene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
4-Bromophenyl phenyl ether	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Butyl benzyl phthalate	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Carbazole	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
4-Chloro-3-methylphenol	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
4-Chloroaniline	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Bis(2-chloroethoxy)methane	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Bis(2-chloroethyl)ether	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Bis(2-chloroisopropyl)ether	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
2-Chloronaphthalene	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
2-Chlorophenol	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
4-Chlorophenyl phenyl ether	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Chrysene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Dibenz (a,h) anthracene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Dibenzofuran	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Di-n-butyl phthalate	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
1,4-Dichlorobenzene	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
1,2-Dichlorobenzene	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
1,3-Dichlorobenzene	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
3,3-Dichlorobenzidine	<0.341		1.36	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
2,4-Dichlorophenol	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Diethyl phthalate	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
2,4-Dimethylphenol	<0.392		0.680	0.392	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Dimethyl phthalate	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
4,6-Dinitro-2-methylphenol	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
2,4-Dinitrophenol	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-1 (12-16)**

**Lab Sample ID: NUK1675-02**

**Date Collected: 11/08/11 15:30**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 48.5**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
2,4-Dinitrotoluene	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Di-n-octyl phthalate	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Bis(2-ethylhexyl)phthalate	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Fluoranthene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Fluorene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Hexachlorobenzene	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Hexachlorobutadiene	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Hexachlorocyclopentadiene	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Hexachloroethane	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Indeno (1,2,3-cd) pyrene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Isophorone	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
2-Methylnaphthalene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
2-Methylphenol	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
3/4-Methylphenol	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Naphthalene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
3-Nitroaniline	<0.341		1.70	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
2-Nitroaniline	<0.341		1.70	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
4-Nitroaniline	<0.341		1.70	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Nitrobenzene	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
4-Nitrophenol	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
2-Nitrophenol	<0.400		0.680	0.400	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
N-Nitrosodiphenylamine	<0.374		0.680	0.374	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
N-Nitrosodi-n-propylamine	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Pentachlorophenol	<0.341		1.70	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Phenanthrene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Phenol	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
Pyrene	<0.0695		0.137	0.0695	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
1,2,4-Trichlorobenzene	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
2,4,6-Trichlorophenol	<0.341		0.680	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00
2,4,5-Trichlorophenol	<0.341		1.70	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:07	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	74		18 - 120	11/14/11 09:20	11/14/11 22:07	1.00
2,4,6-Tribromophenol	61		19 - 120	11/14/11 09:20	11/14/11 22:07	1.00
Phenol-d5	49		18 - 120	11/14/11 09:20	11/14/11 22:07	1.00
2-Fluorobiphenyl	53		14 - 120	11/14/11 09:20	11/14/11 22:07	1.00
2-Fluorophenol	47		17 - 120	11/14/11 09:20	11/14/11 22:07	1.00
Nitrobenzene-d5	50		17 - 120	11/14/11 09:20	11/14/11 22:07	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
delta-BHC	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
alpha-BHC	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
beta-BHC	<0.00171		0.00671	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
gamma-BHC (Lindane)	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
alpha-Chlordane	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
gamma-Chlordane	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Chlordane	<0.0677		0.136	0.0677	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
4,4'-DDD	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Client Sample ID: Tract 35 SB-1 (12-16)

## Lab Sample ID: NUK1675-02

Date Collected: 11/08/11 15:30

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 48.5

### Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
4,4'-DDT	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Dieldrin	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Endosulfan I	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Endosulfan II	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Endosulfan sulfate	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Endrin	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Endrin aldehyde	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Endrin ketone	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Heptachlor	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Heptachlor epoxide	<0.00171		0.00346	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Methoxychlor	<0.00171		0.00671	0.00171	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Toxaphene	<0.0858		0.136	0.0858	mg/kg dry	☼	11/14/11 08:25	11/16/11 09:58	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	92		21 - 145				11/14/11 08:25	11/16/11 09:58	1.00
Decachlorobiphenyl	102		25 - 150				11/14/11 08:25	11/16/11 09:58	1.00

### Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0426		0.0676	0.0426	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:21	1.00
PCB-1221	<0.0223		0.0676	0.0223	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:21	1.00
PCB-1232	<0.0325		0.0676	0.0325	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:21	1.00
PCB-1242	<0.0528		0.0676	0.0528	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:21	1.00
PCB-1248	<0.0609		0.0676	0.0609	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:21	1.00
PCB-1254	<0.0223		0.0676	0.0223	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:21	1.00
PCB-1260	<0.0568		0.0676	0.0568	mg/kg dry	☼	11/14/11 09:00	11/15/11 09:21	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	100		19 - 147				11/14/11 09:00	11/15/11 09:21	1.00
Decachlorobiphenyl	94		20 - 150				11/14/11 09:00	11/15/11 09:21	1.00

### Method: SW846 6010C - Total Metals by EPA 6010C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4070		40.7	20.3	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Antimony	<10.2		20.3	10.2	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Arsenic	16.0		2.03	1.02	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Barium	7.89		4.07	2.03	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Beryllium	<1.02		2.03	1.02	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Cadmium	<1.02		2.03	1.02	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Calcium	2430		203	102	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Chromium	15.5		2.03	1.02	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Cobalt	3.78	J	6.10	3.05	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Copper	5.70		4.07	2.03	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Iron	15400	B1 B	20.3	10.2	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Lead	11.6		2.03	1.02	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Magnesium	4660		203	102	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Manganese	123		6.10	3.05	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Nickel	6.75		4.07	2.03	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Potassium	2550		203	102	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Selenium	<2.03		4.07	2.03	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Client Sample ID: Tract 35 SB-1 (12-16)

Lab Sample ID: NUK1675-02

Date Collected: 11/08/11 15:30

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 48.5

### Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<1.02		2.03	1.02	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
<b>Sodium</b>	<b>12900</b>		407	203	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
Thallium	<2.03		4.07	2.03	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
<b>Vanadium</b>	<b>29.2</b>		20.3	10.2	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00
<b>Zinc</b>	<b>27.8</b>		20.3	10.2	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:56	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.10		0.21	0.10	mg/kg dry	☼	11/17/11 10:40	11/17/11 13:34	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>% Dry Solids</b>	<b>48.5</b>		0.500	0.500	%		11/17/11 08:03	11/17/11 10:37	1.00

## Client Sample ID: Tract 35 TW-1 (40-44)

Lab Sample ID: NUK1675-03

Date Collected: 11/08/11 16:30

Matrix: Ground Water

Date Received: 11/11/11 08:30

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<250	A-01 P6 RL1	500	250	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Benzene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Bromochloromethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Bromodichloromethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Bromoform	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Bromomethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
2-Butanone	<250	A-01 P6 RL1	500	250	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Carbon disulfide	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Carbon Tetrachloride	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Chlorobenzene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Chlorodibromomethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Chloroethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Chloroform	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Chloromethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Cyclohexane	<25.0	A-01 P6 RL1	50.0	25.0	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,2-Dibromo-3-chloropropane	<50.0	A-01 P6 RL1	100	50.0	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,2-Dibromoethane (EDB)	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-1 (40-44)**

**Lab Sample ID: NUK1675-03**

**Date Collected: 11/08/11 16:30**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	<25.0	A-01 P6 RL1	50.0	25.0	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,2-Dichlorobenzene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,3-Dichlorobenzene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,4-Dichlorobenzene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Dichlorodifluoromethane	<6.00	A-01 P6 RL1	10.0	6.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,2-Dichloroethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,1-Dichloroethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,1-Dichloroethene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
trans-1,2-Dichloroethene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,1,1-Trifluorotrchloroethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
cis-1,2-Dichloroethene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,2-Dichloropropane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
trans-1,3-Dichloropropene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
cis-1,3-Dichloropropene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Ethylbenzene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
2-Hexanone	<50.0	A-01 P6 RL1	100	50.0	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Isopropylbenzene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Methyl Acetate	<50.0	A-01 P6 RL1	100	50.0	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Methyl tert-Butyl Ether	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Methylene Chloride	<25.0	A-01 P6 RL1	50.0	25.0	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
4-Methyl-2-pentanone	<50.0	A-01 P6 RL1	100	50.0	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Styrene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,1,1,2-Tetrachloroethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Tetrachloroethene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Toluene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,2,4-Trichlorobenzene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,2,3-Trichlorobenzene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
1,1,1-Trichloroethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-1 (40-44)**

**Lab Sample ID: NUK1675-03**

**Date Collected: 11/08/11 16:30**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Trichloroethene	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Trichlorofluoromethane	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Vinyl chloride	<5.00	A-01 P6 RL1	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
Xylenes, total	<15.0	A-01 P6 RL1	30.0	15.0	ug/L		11/14/11 04:53	11/14/11 08:09	10.0
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	104	A-01 P6	70 - 130				11/14/11 04:53	11/14/11 08:09	10.0
Dibromofluoromethane	104	A-01 P6	70 - 130				11/14/11 04:53	11/14/11 08:09	10.0
Toluene-d8	97	A-01 P6	70 - 130				11/14/11 04:53	11/14/11 08:09	10.0
4-Bromofluorobenzene	96	A-01 P6	70 - 130				11/14/11 04:53	11/14/11 08:09	10.0

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Acenaphthylene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Anthracene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Benzo (a) anthracene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Benzo (a) pyrene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Benzo (b) fluoranthene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Benzo (g,h,i) perylene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Benzo (k) fluoranthene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
4-Bromophenyl phenyl ether	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Butyl benzyl phthalate	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Carbazole	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
4-Chloro-3-methylphenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
4-Chloroaniline	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Bis(2-chloroethoxy)methane	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Bis(2-chloroethyl)ether	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Bis(2-chloroisopropyl)ether	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
2-Chloronaphthalene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
2-Chlorophenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
4-Chlorophenyl phenyl ether	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Chrysene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Dibenz (a,h) anthracene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Dibenzofuran	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Di-n-butyl phthalate	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
1,4-Dichlorobenzene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
1,2-Dichlorobenzene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
1,3-Dichlorobenzene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
3,3-Dichlorobenzidine	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
2,4-Dichlorophenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Diethyl phthalate	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
2,4-Dimethylphenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Dimethyl phthalate	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
4,6-Dinitro-2-methylphenol	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
2,4-Dinitrophenol	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 04:07	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-1 (40-44)**

**Lab Sample ID: NUK1675-03**

**Date Collected: 11/08/11 16:30**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
2,4-Dinitrotoluene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Di-n-octyl phthalate	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Bis(2-ethylhexyl)phthalate	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Fluoranthene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Fluorene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Hexachlorobenzene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Hexachlorobutadiene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Hexachlorocyclopentadiene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Hexachloroethane	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Indeno (1,2,3-cd) pyrene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Isophorone	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
2-Methylnaphthalene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
2-Methylphenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Naphthalene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
3/4-Methylphenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
3-Nitroaniline	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
2-Nitroaniline	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
4-Nitroaniline	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Nitrobenzene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
4-Nitrophenol	<4.90		24.5	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
2-Nitrophenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
N-Nitrosodiphenylamine	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
N-Nitrosodi-n-propylamine	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Pentachlorophenol	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Phenanthrene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Phenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
Pyrene	<0.980		1.96	0.980	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
1,2,4-Trichlorobenzene	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
2,4,6-Trichlorophenol	<4.90		9.80	4.90	ug/L		11/14/11 12:40	11/15/11 04:07	1.00
2,4,5-Trichlorophenol	<12.7		24.5	12.7	ug/L		11/14/11 12:40	11/15/11 04:07	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	40		13 - 120	11/14/11 12:40	11/15/11 04:07	1.00
2,4,6-Tribromophenol	53		10 - 120	11/14/11 12:40	11/15/11 04:07	1.00
Phenol-d5	28		10 - 120	11/14/11 12:40	11/15/11 04:07	1.00
2-Fluorobiphenyl	48		29 - 120	11/14/11 12:40	11/15/11 04:07	1.00
2-Fluorophenol	40		10 - 120	11/14/11 12:40	11/15/11 04:07	1.00
Nitrobenzene-d5	58		27 - 120	11/14/11 12:40	11/15/11 04:07	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
delta-BHC	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
alpha-BHC	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
beta-BHC	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
gamma-BHC (Lindane)	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
alpha-Chlordane	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
gamma-Chlordane	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Chlordane	<0.952		1.90	0.952	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
4,4'-DDD	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-1 (40-44)**

**Lab Sample ID: NUK1675-03**

**Date Collected: 11/08/11 16:30**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
4,4'-DDT	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Dieldrin	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Endosulfan I	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Endosulfan II	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Endosulfan sulfate	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Endrin	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Endrin aldehyde	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Endrin ketone	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Heptachlor	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Heptachlor epoxide	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Methoxychlor	<0.0124		0.0238	0.0124	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Toxaphene	<0.952		1.90	0.952	ug/L		11/12/11 14:15	11/14/11 13:08	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	81		38 - 150				11/12/11 14:15	11/14/11 13:08	1.00
Decachlorobiphenyl	22		10 - 141				11/12/11 14:15	11/14/11 13:08	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/16/11 09:14	1.00
PCB-1221	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/16/11 09:14	1.00
PCB-1232	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/16/11 09:14	1.00
PCB-1242	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/16/11 09:14	1.00
PCB-1248	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/16/11 09:14	1.00
PCB-1254	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/16/11 09:14	1.00
PCB-1260	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/16/11 09:14	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	113		17 - 142				11/12/11 13:30	11/16/11 09:14	1.00
Decachlorobiphenyl	24		10 - 149				11/12/11 13:30	11/16/11 09:14	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.500	P7	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Antimony	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Arsenic	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Barium	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Beryllium	<0.0200	P7	0.0400	0.0200	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Cadmium	<0.00600	P7	0.0100	0.00600	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Calcium	153	P7	10.0	5.00	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Chromium	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Cobalt	<0.100	P7	0.200	0.100	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Copper	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Iron	<0.250	P7	0.500	0.250	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Lead	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Magnesium	880	P7	10.0	5.00	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Manganese	0.428	P7	0.150	0.0750	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Nickel	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Potassium	223	P7	10.0	5.00	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Selenium	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-1 (40-44)**

**Lab Sample ID: NUK1675-03**

Date Collected: 11/08/11 16:30

Matrix: Ground Water

Date Received: 11/11/11 08:30

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
<b>Sodium</b>	<b>6560</b>	<b>B1 P7 B</b>	100	50.0	mg/L		11/16/11 06:10	11/16/11 15:00	100
Thallium	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Vanadium	<0.100	P7	0.200	0.100	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Zinc	<0.250	P7	0.500	0.250	mg/L		11/16/11 06:10	11/16/11 14:56	10.0

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Antimony	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Arsenic	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Barium	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Beryllium	<0.0200		0.0400	0.0200	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Cadmium	<0.00600		0.0100	0.00600	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
<b>Calcium</b>	<b>153</b>		10.0	5.00	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Chromium	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Cobalt	<0.100		0.200	0.100	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Copper	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Iron	<0.250		0.500	0.250	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Lead	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
<b>Magnesium</b>	<b>880</b>		10.0	5.00	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
<b>Manganese</b>	<b>0.428</b>		0.150	0.0750	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Nickel	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
<b>Potassium</b>	<b>223</b>		10.0	5.00	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Selenium	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Silver	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
<b>Sodium</b>	<b>6560</b>	<b>B1 B</b>	100	50.0	mg/L		11/16/11 06:10	11/16/11 15:00	100
Thallium	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Vanadium	<0.100		0.200	0.100	mg/L		11/16/11 06:10	11/16/11 14:56	10.0
Zinc	<0.250		0.500	0.250	mg/L		11/16/11 06:10	11/16/11 14:56	10.0

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		11/15/11 09:40	11/15/11 15:55	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.000109</b>	<b>J</b>	0.000200	0.000100	mg/L		11/14/11 09:00	11/14/11 13:18	1.00

**Client Sample ID: Tract 35 SB-2 (0-2)**

**Lab Sample ID: NUK1675-04**

Date Collected: 11/09/11 10:15

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 71.7

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.395</b>		0.0655	0.0328	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
<b>Benzene</b>	<b>0.00214</b>	<b>J</b>	0.00262	0.00144	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Bromochloromethane	<0.00157		0.00262	0.00157	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Bromodichloromethane	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Bromoform	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-2 (0-2)**

**Lab Sample ID: NUK1675-04**

**Date Collected: 11/09/11 10:15**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 71.7**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<0.00157		0.00262	0.00157	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
<b>2-Butanone</b>	<b>0.0741</b>		0.0655	0.0328	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
<b>Carbon disulfide</b>	<b>0.0173</b>		0.00655	0.00472	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Carbon Tetrachloride	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
<b>Chlorobenzene</b>	<b>0.00147</b>	<b>J</b>	0.00262	0.00144	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Chlorodibromomethane	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Chloroethane	<0.00328		0.00655	0.00328	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Chloroform	<0.00170		0.00262	0.00170	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Chloromethane	<0.00144		0.00262	0.00144	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Cyclohexane	<0.00655		0.0131	0.00655	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,2-Dibromo-3-chloropropane	<0.00328		0.00655	0.00328	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,2-Dibromoethane (EDB)	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
<b>Methylcyclohexane</b>	<b>0.0109</b>	<b>J</b>	0.0131	0.00655	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,2-Dichlorobenzene	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,3-Dichlorobenzene	<0.00157		0.00262	0.00157	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
<b>1,4-Dichlorobenzene</b>	<b>0.0229</b>		0.00262	0.00144	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Dichlorodifluoromethane	<0.00183		0.00262	0.00183	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,2-Dichloroethane	<0.00144		0.00262	0.00144	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,1-Dichloroethane	<0.00170		0.00262	0.00170	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,1-Dichloroethene	<0.00157		0.00262	0.00157	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
trans-1,2-Dichloroethene	<0.00170		0.00262	0.00170	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,1,2-Trifluorotrchloroethane	<0.00144		0.00262	0.00144	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
cis-1,2-Dichloroethene	<0.00144		0.00262	0.00144	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,2-Dichloropropane	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
trans-1,3-Dichloropropene	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
cis-1,3-Dichloropropene	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
<b>Ethylbenzene</b>	<b>0.00647</b>		0.00262	0.00144	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
2-Hexanone	<0.0328		0.0655	0.0328	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
<b>Isopropylbenzene</b>	<b>0.00526</b>		0.00262	0.00144	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Methyl Acetate	<0.00655		0.0131	0.00655	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Methyl tert-Butyl Ether	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Methylene Chloride	<0.00655		0.0131	0.00655	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
4-Methyl-2-pentanone	<0.0328		0.0655	0.0328	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Styrene	<0.00144		0.00262	0.00144	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,1,2,2-Tetrachloroethane	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Tetrachloroethene	<0.00170		0.00262	0.00170	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
<b>Toluene</b>	<b>0.00946</b>		0.00262	0.00144	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,2,4-Trichlorobenzene	<0.00157		0.00262	0.00157	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,2,3-Trichlorobenzene	<0.00144		0.00262	0.00144	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,1,1-Trichloroethane	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
1,1,2-Trichloroethane	<0.00328		0.00655	0.00328	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Trichloroethene	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Trichlorofluoromethane	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
Vinyl chloride	<0.00131		0.00262	0.00131	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00
<b>Xylenes, total</b>	<b>0.0111</b>		0.00655	0.00328	mg/kg dry	☼	11/09/11 10:15	11/15/11 19:03	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130	11/09/11 10:15	11/15/11 19:03	1.00
Dibromofluoromethane	99		70 - 130	11/09/11 10:15	11/15/11 19:03	1.00
Toluene-d8	105		70 - 130	11/09/11 10:15	11/15/11 19:03	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-2 (0-2)**

**Lab Sample ID: NUK1675-04**

**Date Collected: 11/09/11 10:15**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 71.7**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	134	ZX	70 - 130	11/09/11 10:15	11/15/11 19:03	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Acenaphthylene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Anthracene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Benzo (a) anthracene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Benzo (a) pyrene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Benzo (b) fluoranthene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Benzo (g,h,i) perylene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Benzo (k) fluoranthene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
4-Bromophenyl phenyl ether	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Butyl benzyl phthalate	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Carbazole	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
4-Chloro-3-methylphenol	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
4-Chloroaniline	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Bis(2-chloroethoxy)methane	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Bis(2-chloroethyl)ether	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Bis(2-chloroisopropyl)ether	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
2-Chloronaphthalene	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
2-Chlorophenol	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
4-Chlorophenyl phenyl ether	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Chrysene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Dibenz (a,h) anthracene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Dibenzofuran	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Di-n-butyl phthalate	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
1,4-Dichlorobenzene	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
1,2-Dichlorobenzene	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
1,3-Dichlorobenzene	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
3,3-Dichlorobenzidine	<0.230		0.919	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
2,4-Dichlorophenol	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Diethyl phthalate	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
2,4-Dimethylphenol	<0.265		0.459	0.265	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Dimethyl phthalate	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
4,6-Dinitro-2-methylphenol	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
2,4-Dinitrophenol	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
2,6-Dinitrotoluene	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
2,4-Dinitrotoluene	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Di-n-octyl phthalate	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Bis(2-ethylhexyl)phthalate	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Fluoranthene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Fluorene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Hexachlorobenzene	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Hexachlorobutadiene	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Hexachlorocyclopentadiene	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Hexachloroethane	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Indeno (1,2,3-cd) pyrene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Isophorone	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
<b>2-Methylnaphthalene</b>	<b>0.0510</b>	<b>J</b>	0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-2 (0-2)**

**Lab Sample ID: NUK1675-04**

**Date Collected: 11/09/11 10:15**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 71.7**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
3/4-Methylphenol	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Naphthalene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
3-Nitroaniline	<0.230		1.15	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
2-Nitroaniline	<0.230		1.15	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
4-Nitroaniline	<0.230		1.15	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Nitrobenzene	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
4-Nitrophenol	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
2-Nitrophenol	<0.270		0.459	0.270	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
N-Nitrosodiphenylamine	<0.252		0.459	0.252	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
N-Nitrosodi-n-propylamine	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Pentachlorophenol	<0.230		1.15	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Phenanthrene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Phenol	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
Pyrene	<0.0469		0.0923	0.0469	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
1,2,4-Trichlorobenzene	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
2,4,6-Trichlorophenol	<0.230		0.459	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00
2,4,5-Trichlorophenol	<0.230		1.15	0.230	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:26	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	81		18 - 120	11/14/11 09:20	11/14/11 22:26	1.00
2,4,6-Tribromophenol	58		19 - 120	11/14/11 09:20	11/14/11 22:26	1.00
Phenol-d5	51		18 - 120	11/14/11 09:20	11/14/11 22:26	1.00
2-Fluorobiphenyl	61		14 - 120	11/14/11 09:20	11/14/11 22:26	1.00
2-Fluorophenol	47		17 - 120	11/14/11 09:20	11/14/11 22:26	1.00
Nitrobenzene-d5	56		17 - 120	11/14/11 09:20	11/14/11 22:26	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
delta-BHC	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
alpha-BHC	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
beta-BHC	<0.00463	QSU RL1	0.0182	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
gamma-BHC (Lindane)	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
alpha-Chlordane	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
gamma-Chlordane	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
Chlordane	<0.183	QSU RL1	0.367	0.183	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
4,4'-DDD	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
4,4'-DDE	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
4,4'-DDT	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
Dieldrin	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
Endosulfan I	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
Endosulfan II	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
Endosulfan sulfate	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
Endrin	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
Endrin aldehyde	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
Endrin ketone	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
Heptachlor	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
Heptachlor epoxide	<0.00463	QSU RL1	0.00936	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
Methoxychlor	<0.00463	QSU RL1	0.0182	0.00463	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00
Toxaphene	<0.232	QSU RL1	0.367	0.232	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:42	4.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Client Sample ID: Tract 35 SB-2 (0-2)

## Lab Sample ID: NUK1675-04

Date Collected: 11/09/11 10:15

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 71.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	112		21 - 145	11/14/11 08:25	11/17/11 00:42	4.00
Decachlorobiphenyl	112		25 - 150	11/14/11 08:25	11/17/11 00:42	4.00

### Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0293		0.0464	0.0293	mg/kg dry	☼	11/14/11 09:00	11/16/11 03:27	1.00
PCB-1221	<0.0153		0.0464	0.0153	mg/kg dry	☼	11/14/11 09:00	11/16/11 03:27	1.00
PCB-1232	<0.0223		0.0464	0.0223	mg/kg dry	☼	11/14/11 09:00	11/16/11 03:27	1.00
<b>PCB-1242</b>	<b>0.0632</b>		0.0464	0.0362	mg/kg dry	☼	11/14/11 09:00	11/16/11 03:27	1.00
PCB-1248	<0.0418		0.0464	0.0418	mg/kg dry	☼	11/14/11 09:00	11/16/11 03:27	1.00
PCB-1254	<0.0153		0.0464	0.0153	mg/kg dry	☼	11/14/11 09:00	11/16/11 03:27	1.00
<b>PCB-1260</b>	<b>0.0516</b>		0.0464	0.0390	mg/kg dry	☼	11/14/11 09:00	11/16/11 03:27	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	90		19 - 147	11/14/11 09:00	11/16/11 03:27	1.00
Decachlorobiphenyl	84		20 - 150	11/14/11 09:00	11/16/11 03:27	1.00

### Method: SW846 6010C - Total Metals by EPA 6010C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>2480</b>		28.1	14.1	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
Antimony	<7.03		14.1	7.03	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Arsenic</b>	<b>6.24</b>		1.41	0.703	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Barium</b>	<b>24.2</b>		2.81	1.41	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
Beryllium	<0.703		1.41	0.703	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
Cadmium	<0.703		1.41	0.703	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Calcium</b>	<b>56700</b>		141	70.3	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Chromium</b>	<b>10.2</b>		1.41	0.703	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
Cobalt	<2.11		4.22	2.11	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Copper</b>	<b>35.3</b>		2.81	1.41	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Iron</b>	<b>4140</b>	<b>B1 B</b>	14.1	7.03	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Lead</b>	<b>41.3</b>		1.41	0.703	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Magnesium</b>	<b>1770</b>		141	70.3	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Manganese</b>	<b>79.6</b>		4.22	2.11	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Nickel</b>	<b>6.72</b>		2.81	1.41	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Potassium</b>	<b>533</b>		141	70.3	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
Selenium	<1.41		2.81	1.41	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
Silver	<0.703		1.41	0.703	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Sodium</b>	<b>2120</b>		281	141	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
Thallium	<1.41		2.81	1.41	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Vanadium</b>	<b>11.9</b>	<b>J</b>	14.1	7.03	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00
<b>Zinc</b>	<b>73.0</b>		14.1	7.03	mg/kg dry	☼	11/16/11 06:39	11/16/11 18:59	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.067		0.13	0.067	mg/kg dry	☼	11/17/11 10:40	11/17/11 13:36	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>% Dry Solids</b>	<b>71.7</b>		0.500	0.500	%		11/17/11 08:03	11/17/11 10:37	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-2 (24-28)**

**Lab Sample ID: NUK1675-05**

**Date Collected: 11/09/11 10:40**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 53.4**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0553		0.111	0.0553	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Benzene	<0.00243		0.00442	0.00243	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Bromochloromethane	<0.00265		0.00442	0.00265	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Bromodichloromethane	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Bromoform	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Bromomethane	<0.00265		0.00442	0.00265	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
2-Butanone	<0.0553		0.111	0.0553	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Carbon disulfide	<0.00796		0.0111	0.00796	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Carbon Tetrachloride	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Chlorobenzene	<0.00243		0.00442	0.00243	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Chlorodibromomethane	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Chloroethane	<0.00553		0.0111	0.00553	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Chloroform	<0.00288		0.00442	0.00288	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Chloromethane	<0.00243		0.00442	0.00243	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Cyclohexane	<0.0111		0.0221	0.0111	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,2-Dibromo-3-chloropropane	<0.00553		0.0111	0.00553	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,2-Dibromoethane (EDB)	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Methylcyclohexane	<0.0111		0.0221	0.0111	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,2-Dichlorobenzene	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,3-Dichlorobenzene	<0.00265		0.00442	0.00265	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,4-Dichlorobenzene	<0.00243		0.00442	0.00243	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Dichlorodifluoromethane	<0.00310		0.00442	0.00310	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,2-Dichloroethane	<0.00243		0.00442	0.00243	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,1-Dichloroethane	<0.00288		0.00442	0.00288	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,1-Dichloroethene	<0.00265		0.00442	0.00265	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
trans-1,2-Dichloroethene	<0.00288		0.00442	0.00288	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,1,2-Trifluorotrchloroethane	<0.00243		0.00442	0.00243	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
cis-1,2-Dichloroethene	<0.00243		0.00442	0.00243	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,2-Dichloropropane	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
trans-1,3-Dichloropropene	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
cis-1,3-Dichloropropene	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Ethylbenzene	<0.00243		0.00442	0.00243	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
2-Hexanone	<0.0553		0.111	0.0553	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Isopropylbenzene	<0.00243		0.00442	0.00243	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Methyl Acetate	<0.0111		0.0221	0.0111	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Methyl tert-Butyl Ether	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Methylene Chloride	<0.0111		0.0221	0.0111	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
4-Methyl-2-pentanone	<0.0553		0.111	0.0553	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Styrene	<0.00243		0.00442	0.00243	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,1,2,2-Tetrachloroethane	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Tetrachloroethene	<0.00288		0.00442	0.00288	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Toluene	<0.00243		0.00442	0.00243	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,2,4-Trichlorobenzene	<0.00265		0.00442	0.00265	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,2,3-Trichlorobenzene	<0.00243		0.00442	0.00243	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,1,1-Trichloroethane	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
1,1,2-Trichloroethane	<0.00553		0.0111	0.00553	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Trichloroethene	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Trichlorofluoromethane	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Vinyl chloride	<0.00221		0.00442	0.00221	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00
Xylenes, total	<0.00553		0.0111	0.00553	mg/kg dry	☼	11/09/11 10:40	11/15/11 19:31	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-2 (24-28)**

**Lab Sample ID: NUK1675-05**

**Date Collected: 11/09/11 10:40**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 53.4**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		70 - 130	11/09/11 10:40	11/15/11 19:31	1.00
Dibromofluoromethane	101		70 - 130	11/09/11 10:40	11/15/11 19:31	1.00
Toluene-d8	101		70 - 130	11/09/11 10:40	11/15/11 19:31	1.00
4-Bromofluorobenzene	111		70 - 130	11/09/11 10:40	11/15/11 19:31	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Acenaphthylene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Anthracene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Benzo (a) anthracene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Benzo (a) pyrene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Benzo (b) fluoranthene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Benzo (g,h,i) perylene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Benzo (k) fluoranthene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
4-Bromophenyl phenyl ether	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Butyl benzyl phthalate	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Carbazole	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
4-Chloro-3-methylphenol	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
4-Chloroaniline	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Bis(2-chloroethoxy)methane	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Bis(2-chloroethyl)ether	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Bis(2-chloroisopropyl)ether	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2-Chloronaphthalene	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2-Chlorophenol	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
4-Chlorophenyl phenyl ether	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Chrysene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Dibenz (a,h) anthracene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Dibenzofuran	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Di-n-butyl phthalate	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
1,4-Dichlorobenzene	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
1,2-Dichlorobenzene	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
1,3-Dichlorobenzene	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
3,3-Dichlorobenzidine	<0.311		1.24	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2,4-Dichlorophenol	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Diethyl phthalate	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2,4-Dimethylphenol	<0.358		0.621	0.358	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Dimethyl phthalate	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
4,6-Dinitro-2-methylphenol	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2,4-Dinitrophenol	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2,6-Dinitrotoluene	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2,4-Dinitrotoluene	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Di-n-octyl phthalate	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Bis(2-ethylhexyl)phthalate	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Fluoranthene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Fluorene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Hexachlorobenzene	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Hexachlorobutadiene	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Hexachlorocyclopentadiene	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Hexachloroethane	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Indeno (1,2,3-cd) pyrene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-2 (24-28)**

**Lab Sample ID: NUK1675-05**

**Date Collected: 11/09/11 10:40**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 53.4**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2-Methylnaphthalene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2-Methylphenol	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
3/4-Methylphenol	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Naphthalene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
3-Nitroaniline	<0.311		1.55	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2-Nitroaniline	<0.311		1.55	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
4-Nitroaniline	<0.311		1.55	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Nitrobenzene	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
4-Nitrophenol	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2-Nitrophenol	<0.365		0.621	0.365	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
N-Nitrosodiphenylamine	<0.341		0.621	0.341	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
N-Nitrosodi-n-propylamine	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Pentachlorophenol	<0.311		1.55	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Phenanthrene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Phenol	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
Pyrene	<0.0634		0.125	0.0634	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
1,2,4-Trichlorobenzene	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2,4,6-Trichlorophenol	<0.311		0.621	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00
2,4,5-Trichlorophenol	<0.311		1.55	0.311	mg/kg dry	☼	11/14/11 09:20	11/14/11 22:46	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	70		18 - 120	11/14/11 09:20	11/14/11 22:46	1.00
2,4,6-Tribromophenol	64		19 - 120	11/14/11 09:20	11/14/11 22:46	1.00
Phenol-d5	53		18 - 120	11/14/11 09:20	11/14/11 22:46	1.00
2-Fluorobiphenyl	57		14 - 120	11/14/11 09:20	11/14/11 22:46	1.00
2-Fluorophenol	51		17 - 120	11/14/11 09:20	11/14/11 22:46	1.00
Nitrobenzene-d5	56		17 - 120	11/14/11 09:20	11/14/11 22:46	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
delta-BHC	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
alpha-BHC	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
beta-BHC	<0.00156		0.00612	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
gamma-BHC (Lindane)	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
alpha-Chlordane	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
gamma-Chlordane	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
Chlordane	<0.0618		0.124	0.0618	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
4,4'-DDD	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
4,4'-DDE	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
4,4'-DDT	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
Dieldrin	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
Endosulfan I	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
Endosulfan II	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
Endosulfan sulfate	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
Endrin	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
Endrin aldehyde	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
Endrin ketone	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
Heptachlor	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
Heptachlor epoxide	<0.00156		0.00315	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Client Sample ID: Tract 35 SB-2 (24-28)

Lab Sample ID: NUK1675-05

Date Collected: 11/09/11 10:40

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 53.4

### Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.00156		0.00612	0.00156	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
Toxaphene	<0.0783		0.124	0.0783	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:12	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	110		21 - 145				11/14/11 08:25	11/16/11 10:12	1.00
Decachlorobiphenyl	124		25 - 150				11/14/11 08:25	11/16/11 10:12	1.00

### Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0390		0.0619	0.0390	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:32	1.00
PCB-1221	<0.0204		0.0619	0.0204	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:32	1.00
PCB-1232	<0.0297		0.0619	0.0297	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:32	1.00
PCB-1242	<0.0483		0.0619	0.0483	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:32	1.00
PCB-1248	<0.0557		0.0619	0.0557	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:32	1.00
PCB-1254	<0.0204		0.0619	0.0204	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:32	1.00
PCB-1260	<0.0520		0.0619	0.0520	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:32	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	104		19 - 147				11/14/11 09:00	11/16/11 04:32	1.00
Decachlorobiphenyl	92		20 - 150				11/14/11 09:00	11/16/11 04:32	1.00

### Method: SW846 6010C - Total Metals by EPA 6010C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>4160</b>		36.6	18.3	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
Antimony	<9.16		18.3	9.16	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Arsenic</b>	<b>10.5</b>		1.83	0.916	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Barium</b>	<b>10.3</b>		3.66	1.83	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
Beryllium	<0.916		1.83	0.916	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
Cadmium	<0.916		1.83	0.916	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Calcium</b>	<b>5940</b>		183	91.6	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Chromium</b>	<b>12.0</b>		1.83	0.916	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Cobalt</b>	<b>3.92 J</b>		5.49	2.75	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Copper</b>	<b>4.83</b>		3.66	1.83	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Iron</b>	<b>15900 B1 B</b>		18.3	9.16	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Lead</b>	<b>10.5</b>		1.83	0.916	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Magnesium</b>	<b>4480</b>		183	91.6	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Manganese</b>	<b>298</b>		5.49	2.75	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Nickel</b>	<b>6.37</b>		3.66	1.83	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Potassium</b>	<b>2660</b>		183	91.6	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
Selenium	<1.83		3.66	1.83	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
Silver	<0.916		1.83	0.916	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Sodium</b>	<b>12200</b>		366	183	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
Thallium	<1.83		3.66	1.83	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Vanadium</b>	<b>14.8 J</b>		18.3	9.16	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00
<b>Zinc</b>	<b>27.2</b>		18.3	9.16	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:02	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.093		0.19	0.093	mg/kg dry	☼	11/17/11 10:40	11/17/11 13:39	1.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Client Sample ID: Tract 35 SB-2 (24-28)

Lab Sample ID: NUK1675-05

Date Collected: 11/09/11 10:40

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 53.4

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	53.4		0.500	0.500	%		11/17/11 08:03	11/17/11 10:37	1.00

## Client Sample ID: Tract 35 TW-2 (26-30)

Lab Sample ID: NUK1675-06

Date Collected: 11/09/11 11:15

Matrix: Ground Water

Date Received: 11/11/11 08:30

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0	P6	50.0	25.0	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Benzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Bromochloromethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Bromodichloromethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Bromoform	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Bromomethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
2-Butanone	<25.0	P6	50.0	25.0	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Carbon disulfide	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Carbon Tetrachloride	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Chlorobenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Chlorodibromomethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Chloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Chloroform	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Chloromethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Cyclohexane	<2.50	P6	5.00	2.50	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,2-Dibromo-3-chloropropane	<5.00	P6	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,2-Dibromoethane (EDB)	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Methylcyclohexane	<2.50	P6	5.00	2.50	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,2-Dichlorobenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,3-Dichlorobenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,4-Dichlorobenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Dichlorodifluoromethane	<0.600	P6	1.00	0.600	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,2-Dichloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,1-Dichloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,1-Dichloroethene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
trans-1,2-Dichloroethene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,1,2-Trifluorotrchloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
cis-1,2-Dichloroethene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,2-Dichloropropane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
trans-1,3-Dichloropropene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
cis-1,3-Dichloropropene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Ethylbenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
2-Hexanone	<5.00	P6	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Isopropylbenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Methyl Acetate	<5.00	P6	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Methyl tert-Butyl Ether	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Methylene Chloride	<2.50	P6	5.00	2.50	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
4-Methyl-2-pentanone	<5.00	P6	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Styrene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,1,2,2-Tetrachloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Tetrachloroethene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-2 (26-30)**

**Lab Sample ID: NUK1675-06**

**Date Collected: 11/09/11 11:15**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,2,4-Trichlorobenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,2,3-Trichlorobenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,1,1-Trichloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
1,1,2-Trichloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Trichloroethene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Trichlorofluoromethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Vinyl chloride	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
Xylenes, total	<1.50	P6	3.00	1.50	ug/L		11/14/11 04:53	11/14/11 08:36	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	108	P6	70 - 130				11/14/11 04:53	11/14/11 08:36	1.00
Dibromofluoromethane	106	P6	70 - 130				11/14/11 04:53	11/14/11 08:36	1.00
Toluene-d8	96	P6	70 - 130				11/14/11 04:53	11/14/11 08:36	1.00
4-Bromofluorobenzene	94	P6	70 - 130				11/14/11 04:53	11/14/11 08:36	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Acenaphthylene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Anthracene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Benzo (a) anthracene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Benzo (a) pyrene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Benzo (b) fluoranthene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Benzo (g,h,i) perylene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Benzo (k) fluoranthene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
4-Bromophenyl phenyl ether	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Butyl benzyl phthalate	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Carbazole	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
4-Chloro-3-methylphenol	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
4-Chloroaniline	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Bis(2-chloroethoxy)methane	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Bis(2-chloroethyl)ether	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Bis(2-chloroisopropyl)ether	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
2-Chloronaphthalene	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
2-Chlorophenol	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
4-Chlorophenyl phenyl ether	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Chrysene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Dibenz (a,h) anthracene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Dibenzofuran	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Di-n-butyl phthalate	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
1,4-Dichlorobenzene	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
1,2-Dichlorobenzene	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
1,3-Dichlorobenzene	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
3,3-Dichlorobenzidine	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
2,4-Dichlorophenol	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Diethyl phthalate	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
2,4-Dimethylphenol	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Dimethyl phthalate	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
4,6-Dinitro-2-methylphenol	<12.4		23.8	12.4	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
2,4-Dinitrophenol	<12.4		23.8	12.4	ug/L		11/12/11 10:35	11/13/11 23:48	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-2 (26-30)**

**Lab Sample ID: NUK1675-06**

**Date Collected: 11/09/11 11:15**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
2,4-Dinitrotoluene	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Di-n-octyl phthalate	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Bis(2-ethylhexyl)phthalate	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Fluoranthene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Fluorene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Hexachlorobenzene	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Hexachlorobutadiene	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Hexachlorocyclopentadiene	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Hexachloroethane	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Indeno (1,2,3-cd) pyrene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Isophorone	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
2-Methylnaphthalene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
2-Methylphenol	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Naphthalene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
3/4-Methylphenol	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
3-Nitroaniline	<12.4		23.8	12.4	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
2-Nitroaniline	<12.4		23.8	12.4	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
4-Nitroaniline	<12.4		23.8	12.4	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Nitrobenzene	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
4-Nitrophenol	<4.76		23.8	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
2-Nitrophenol	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
N-Nitrosodiphenylamine	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
N-Nitrosodi-n-propylamine	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Pentachlorophenol	<12.4		23.8	12.4	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Phenanthrene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Phenol	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
Pyrene	<0.952		1.90	0.952	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
1,2,4-Trichlorobenzene	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
2,4,6-Trichlorophenol	<4.76		9.52	4.76	ug/L		11/12/11 10:35	11/13/11 23:48	1.00
2,4,5-Trichlorophenol	<12.4		23.8	12.4	ug/L		11/12/11 10:35	11/13/11 23:48	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	66		13 - 120	11/12/11 10:35	11/13/11 23:48	1.00
2,4,6-Tribromophenol	67		10 - 120	11/12/11 10:35	11/13/11 23:48	1.00
Phenol-d5	25		10 - 120	11/12/11 10:35	11/13/11 23:48	1.00
2-Fluorobiphenyl	61		29 - 120	11/12/11 10:35	11/13/11 23:48	1.00
2-Fluorophenol	34		10 - 120	11/12/11 10:35	11/13/11 23:48	1.00
Nitrobenzene-d5	60		27 - 120	11/12/11 10:35	11/13/11 23:48	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
delta-BHC	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
alpha-BHC	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
beta-BHC	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
gamma-BHC (Lindane)	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
alpha-Chlordane	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
gamma-Chlordane	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Chlordane	<19.0	RL1	38.1	19.0	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
4,4'-DDD	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-2 (26-30)**

**Lab Sample ID: NUK1675-06**

**Date Collected: 11/09/11 11:15**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
4,4'-DDT	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Dieldrin	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Endosulfan I	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Endosulfan II	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Endosulfan sulfate	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Endrin	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Endrin aldehyde	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Endrin ketone	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Heptachlor	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Heptachlor epoxide	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Methoxychlor	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Toxaphene	<19.0	RL1	38.1	19.0	ug/L		11/12/11 14:15	11/15/11 12:21	20.0
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	120		38 - 150				11/12/11 14:15	11/15/11 12:21	20.0
Decachlorobiphenyl	20		10 - 141				11/12/11 14:15	11/15/11 12:21	20.0

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/17/11 15:40	1.00
PCB-1221	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/17/11 15:40	1.00
PCB-1232	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/17/11 15:40	1.00
PCB-1242	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/17/11 15:40	1.00
PCB-1248	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/17/11 15:40	1.00
PCB-1254	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/17/11 15:40	1.00
PCB-1260	<0.240		0.481	0.240	ug/L		11/12/11 13:30	11/17/11 15:40	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	106		17 - 142				11/12/11 13:30	11/17/11 15:40	1.00
Decachlorobiphenyl	30		10 - 149				11/12/11 13:30	11/17/11 15:40	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.500	P7	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Antimony	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Arsenic	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
<b>Barium</b>	<b>0.0830</b>	<b>J P7</b>	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Beryllium	<0.0200	P7	0.0400	0.0200	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Cadmium	<0.00600	P7	0.0100	0.00600	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
<b>Calcium</b>	<b>239</b>	<b>P7</b>	10.0	5.00	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Chromium	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Cobalt	<0.100	P7	0.200	0.100	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Copper	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Iron	<0.250	P7	0.500	0.250	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Lead	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
<b>Magnesium</b>	<b>993</b>	<b>P7</b>	10.0	5.00	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Manganese	<0.0750	P7	0.150	0.0750	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Nickel	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
<b>Potassium</b>	<b>266</b>	<b>P7</b>	10.0	5.00	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Selenium	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-2 (26-30)**

**Lab Sample ID: NUK1675-06**

Date Collected: 11/09/11 11:15

Matrix: Ground Water

Date Received: 11/11/11 08:30

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
<b>Sodium</b>	<b>7710</b>	<b>B B1 P7</b>	100	50.0	mg/L		11/16/11 06:10	11/16/11 15:06	100
Thallium	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
<b>Vanadium</b>	<b>0.138</b>	<b>J P7</b>	0.200	0.100	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Zinc	<0.250	P7	0.500	0.250	mg/L		11/16/11 06:10	11/16/11 15:03	10.0

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Antimony	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Arsenic	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
<b>Barium</b>	<b>0.0830</b>	<b>J</b>	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Beryllium	<0.0200		0.0400	0.0200	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Cadmium	<0.00600		0.0100	0.00600	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
<b>Calcium</b>	<b>239</b>		10.0	5.00	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Chromium	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Cobalt	<0.100		0.200	0.100	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Copper	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Iron	<0.250		0.500	0.250	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Lead	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
<b>Magnesium</b>	<b>993</b>		10.0	5.00	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Manganese	<0.0750		0.150	0.0750	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Nickel	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
<b>Potassium</b>	<b>266</b>		10.0	5.00	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Selenium	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Silver	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
<b>Sodium</b>	<b>7710</b>	<b>B B1</b>	100	50.0	mg/L		11/16/11 06:10	11/16/11 15:06	100
Thallium	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
<b>Vanadium</b>	<b>0.138</b>	<b>J</b>	0.200	0.100	mg/L		11/16/11 06:10	11/16/11 15:03	10.0
Zinc	<0.250		0.500	0.250	mg/L		11/16/11 06:10	11/16/11 15:03	10.0

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		11/15/11 09:40	11/15/11 15:57	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.000135</b>	<b>J</b>	0.000200	0.000100	mg/L		11/16/11 08:55	11/16/11 14:51	1.00

**Client Sample ID: Tract 35 SB-3 (0-2)**

**Lab Sample ID: NUK1675-07**

Date Collected: 11/09/11 14:00

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 96.8

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.0764</b>		0.0479	0.0240	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
<b>Benzene</b>	<b>0.00355</b>		0.00192	0.00105	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Bromochloromethane	<0.00115		0.00192	0.00115	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Bromodichloromethane	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Bromoform	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-3 (0-2)**

**Lab Sample ID: NUK1675-07**

**Date Collected: 11/09/11 14:00**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 96.8**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<0.00115		0.00192	0.00115	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
2-Butanone	<0.0240		0.0479	0.0240	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
<b>Carbon disulfide</b>	<b>0.00411</b>	<b>J</b>	0.00479	0.00345	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Carbon Tetrachloride	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Chlorobenzene	<0.00105		0.00192	0.00105	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Chlorodibromomethane	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Chloroethane	<0.00240		0.00479	0.00240	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Chloroform	<0.00125		0.00192	0.00125	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Chloromethane	<0.00105		0.00192	0.00105	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
<b>Cyclohexane</b>	<b>0.00492</b>	<b>J</b>	0.00958	0.00479	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,2-Dibromo-3-chloropropane	<0.00240		0.00479	0.00240	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,2-Dibromoethane (EDB)	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
<b>Methylcyclohexane</b>	<b>0.00650</b>	<b>J</b>	0.00958	0.00479	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,2-Dichlorobenzene	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,3-Dichlorobenzene	<0.00115		0.00192	0.00115	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,4-Dichlorobenzene	<0.00105		0.00192	0.00105	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Dichlorodifluoromethane	<0.00134		0.00192	0.00134	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,2-Dichloroethane	<0.00105		0.00192	0.00105	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,1-Dichloroethane	<0.00125		0.00192	0.00125	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,1-Dichloroethene	<0.00115		0.00192	0.00115	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
trans-1,2-Dichloroethene	<0.00125		0.00192	0.00125	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,1,2-Trifluorotrchloroethane	<0.00105		0.00192	0.00105	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
cis-1,2-Dichloroethene	<0.00105		0.00192	0.00105	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,2-Dichloropropane	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
trans-1,3-Dichloropropene	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
cis-1,3-Dichloropropene	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
<b>Ethylbenzene</b>	<b>0.00352</b>		0.00192	0.00105	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
2-Hexanone	<0.0240		0.0479	0.0240	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
<b>Isopropylbenzene</b>	<b>0.00163</b>	<b>J</b>	0.00192	0.00105	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Methyl Acetate	<0.00479		0.00958	0.00479	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Methyl tert-Butyl Ether	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Methylene Chloride	<0.00479		0.00958	0.00479	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
4-Methyl-2-pentanone	<0.0240		0.0479	0.0240	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Styrene	<0.00105		0.00192	0.00105	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,1,2,2-Tetrachloroethane	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Tetrachloroethene	<0.00125		0.00192	0.00125	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
<b>Toluene</b>	<b>0.00308</b>		0.00192	0.00105	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,2,4-Trichlorobenzene	<0.00115		0.00192	0.00115	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,2,3-Trichlorobenzene	<0.00105		0.00192	0.00105	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,1,1-Trichloroethane	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
1,1,2-Trichloroethane	<0.00240		0.00479	0.00240	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Trichloroethene	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Trichlorofluoromethane	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
Vinyl chloride	<0.000958		0.00192	0.000958	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00
<b>Xylenes, total</b>	<b>0.00249</b>	<b>J</b>	0.00479	0.00240	mg/kg dry	☼	11/09/11 14:00	11/15/11 19:58	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		70 - 130	11/09/11 14:00	11/15/11 19:58	1.00
Dibromofluoromethane	101		70 - 130	11/09/11 14:00	11/15/11 19:58	1.00
Toluene-d8	102		70 - 130	11/09/11 14:00	11/15/11 19:58	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-3 (0-2)**

**Lab Sample ID: NUK1675-07**

**Date Collected: 11/09/11 14:00**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 96.8**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	122		70 - 130	11/09/11 14:00	11/15/11 19:58	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0343		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Acenaphthylene	<0.0343		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Anthracene	<0.0343		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Benzo (a) anthracene	<0.0343		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Benzo (a) pyrene	<0.0343		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Benzo (b) fluoranthene	<0.0343		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Benzo (g,h,i) perylene	<0.0343		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Benzo (k) fluoranthene	<0.0343		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
4-Bromophenyl phenyl ether	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Butyl benzyl phthalate	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Carbazole	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
4-Chloro-3-methylphenol	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
4-Chloroaniline	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Bis(2-chloroethoxy)methane	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Bis(2-chloroethyl)ether	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Bis(2-chloroisopropyl)ether	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
2-Chloronaphthalene	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
2-Chlorophenol	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
4-Chlorophenyl phenyl ether	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
<b>Chrysene</b>	<b>0.0457</b>	<b>J</b>	0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Dibenz (a,h) anthracene	<0.0343		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Dibenzofuran	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Di-n-butyl phthalate	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
1,4-Dichlorobenzene	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
1,2-Dichlorobenzene	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
1,3-Dichlorobenzene	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
3,3-Dichlorobenzidine	<0.169		0.673	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
2,4-Dichlorophenol	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Diethyl phthalate	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
2,4-Dimethylphenol	<0.194		0.336	0.194	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Dimethyl phthalate	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
4,6-Dinitro-2-methylphenol	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
2,4-Dinitrophenol	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
2,6-Dinitrotoluene	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
2,4-Dinitrotoluene	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Di-n-octyl phthalate	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Bis(2-ethylhexyl)phthalate	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
<b>Fluoranthene</b>	<b>0.0505</b>	<b>J</b>	0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Fluorene	<0.0343		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Hexachlorobenzene	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Hexachlorobutadiene	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Hexachlorocyclopentadiene	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Hexachloroethane	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Indeno (1,2,3-cd) pyrene	<0.0343		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Isophorone	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
<b>2-Methylnaphthalene</b>	<b>0.122</b>		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-3 (0-2)**

**Lab Sample ID: NUK1675-07**

**Date Collected: 11/09/11 14:00**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 96.8**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
3/4-Methylphenol	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Naphthalene	<0.0343		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
3-Nitroaniline	<0.169		0.841	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
2-Nitroaniline	<0.169		0.841	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
4-Nitroaniline	<0.169		0.841	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Nitrobenzene	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
4-Nitrophenol	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
2-Nitrophenol	<0.198		0.336	0.198	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
N-Nitrosodiphenylamine	<0.185		0.336	0.185	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
N-Nitrosodi-n-propylamine	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Pentachlorophenol	<0.169		0.841	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
<b>Phenanthrene</b>	<b>0.0861</b>		0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
Phenol	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
<b>Pyrene</b>	<b>0.0599</b>	<b>J</b>	0.0676	0.0343	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
1,2,4-Trichlorobenzene	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
2,4,6-Trichlorophenol	<0.169		0.336	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00
2,4,5-Trichlorophenol	<0.169		0.841	0.169	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:05	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	61		18 - 120	11/14/11 09:20	11/14/11 23:05	1.00
2,4,6-Tribromophenol	48		19 - 120	11/14/11 09:20	11/14/11 23:05	1.00
Phenol-d5	47		18 - 120	11/14/11 09:20	11/14/11 23:05	1.00
2-Fluorobiphenyl	55		14 - 120	11/14/11 09:20	11/14/11 23:05	1.00
2-Fluorophenol	40		17 - 120	11/14/11 09:20	11/14/11 23:05	1.00
Nitrobenzene-d5	56		17 - 120	11/14/11 09:20	11/14/11 23:05	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00171	QSU RL1	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>delta-BHC</b>	<b>0.00272</b>	<b>J RL1 QSU</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
alpha-BHC	<0.00171	QSU RL1	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
beta-BHC	<0.00171	RL1 QSU	0.00674	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>gamma-BHC (Lindane)</b>	<b>0.00408</b>	<b>QSU RL1</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>alpha-Chlordane</b>	<b>0.00408</b>	<b>QSU RL1</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
gamma-Chlordane	<0.00171	QSU RL1	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
Chlordane	<0.0680	RL1 QSU	0.136	0.0680	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>4,4'-DDD</b>	<b>0.00748</b>	<b>QSU RL1</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>4,4'-DDE</b>	<b>0.00476</b>	<b>QSU RL1</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>4,4'-DDT</b>	<b>0.0238</b>	<b>QSU RL1</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>Dieldrin</b>	<b>0.0163</b>	<b>RL1 QSU</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>Endosulfan I</b>	<b>0.00408</b>	<b>RL1 QSU</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>Endosulfan II</b>	<b>0.00340</b>	<b>J RL1 QSU</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
Endosulfan sulfate	<0.00171	RL1 QSU	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>Endrin</b>	<b>0.0259</b>	<b>QSU RL1</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>Endrin aldehyde</b>	<b>0.0150</b>	<b>QSU RL1</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>Endrin ketone</b>	<b>0.00817</b>	<b>QSU RL1</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
Heptachlor	<0.00171	QSU RL1	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>Heptachlor epoxide</b>	<b>0.00204</b>	<b>J QSU RL1</b>	0.00347	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
<b>Methoxychlor</b>	<b>0.00680</b>	<b>QSU RL1</b>	0.00674	0.00171	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00
Toxaphene	<0.0861	QSU RL1	0.136	0.0861	mg/kg dry	☼	11/14/11 08:25	11/17/11 00:56	2.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Client Sample ID: Tract 35 SB-3 (0-2)

## Lab Sample ID: NUK1675-07

Date Collected: 11/09/11 14:00

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 96.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	84		21 - 145	11/14/11 08:25	11/17/11 00:56	2.00
Decachlorobiphenyl	92		25 - 150	11/14/11 08:25	11/17/11 00:56	2.00

### Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0212		0.0337	0.0212	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:54	1.00
PCB-1221	<0.0111		0.0337	0.0111	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:54	1.00
PCB-1232	<0.0162		0.0337	0.0162	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:54	1.00
PCB-1242	<0.0263		0.0337	0.0263	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:54	1.00
PCB-1248	<0.0303		0.0337	0.0303	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:54	1.00
PCB-1254	<0.0111		0.0337	0.0111	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:54	1.00
<b>PCB-1260</b>	<b>0.172</b>		0.0337	0.0283	mg/kg dry	☼	11/14/11 09:00	11/16/11 04:54	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	86		19 - 147	11/14/11 09:00	11/16/11 04:54	1.00
Decachlorobiphenyl	92		20 - 150	11/14/11 09:00	11/16/11 04:54	1.00

### Method: SW846 6010C - Total Metals by EPA 6010C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>1840</b>		20.3	10.1	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
Antimony	<5.07		10.1	5.07	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Arsenic</b>	<b>5.12</b>		1.01	0.507	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Barium</b>	<b>18.9</b>		2.03	1.01	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
Beryllium	<0.507		1.01	0.507	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
Cadmium	<0.507		1.01	0.507	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Calcium</b>	<b>16400</b>		101	50.7	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Chromium</b>	<b>12.6</b>		1.01	0.507	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
Cobalt	<1.52		3.04	1.52	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Copper</b>	<b>67.7</b>		2.03	1.01	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Iron</b>	<b>5290</b>	<b>B B1</b>	10.1	5.07	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Lead</b>	<b>49.8</b>		1.01	0.507	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Magnesium</b>	<b>951</b>		101	50.7	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Manganese</b>	<b>48.8</b>		3.04	1.52	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Nickel</b>	<b>8.57</b>		2.03	1.01	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Potassium</b>	<b>336</b>		101	50.7	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
Selenium	<1.01		2.03	1.01	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
Silver	<0.507		1.01	0.507	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Sodium</b>	<b>1560</b>		203	101	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
Thallium	<1.01		2.03	1.01	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Vanadium</b>	<b>8.53</b>	<b>J</b>	10.1	5.07	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00
<b>Zinc</b>	<b>165</b>		10.1	5.07	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:05	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.052		0.10	0.052	mg/kg dry	☼	11/17/11 10:40	11/17/11 13:47	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>% Dry Solids</b>	<b>96.8</b>		0.500	0.500	%		11/17/11 08:03	11/17/11 10:37	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-3 (1-5)**

**Lab Sample ID: NUK1675-08**

**Date Collected: 11/09/11 14:30**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0	P6	50.0	25.0	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Benzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Bromochloromethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Bromodichloromethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Bromoform	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Bromomethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
2-Butanone	<25.0	P6	50.0	25.0	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Carbon disulfide	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Carbon Tetrachloride	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Chlorobenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Chlorodibromomethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Chloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Chloroform	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Chloromethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Cyclohexane	<2.50	P6	5.00	2.50	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,2-Dibromo-3-chloropropane	<5.00	P6	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,2-Dibromoethane (EDB)	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Methylcyclohexane	<2.50	P6	5.00	2.50	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,2-Dichlorobenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,3-Dichlorobenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,4-Dichlorobenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Dichlorodifluoromethane	<0.600	P6	1.00	0.600	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,2-Dichloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,1-Dichloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,1-Dichloroethene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
trans-1,2-Dichloroethene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,1,2-Trifluorotrchloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
cis-1,2-Dichloroethene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,2-Dichloropropane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
trans-1,3-Dichloropropene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
cis-1,3-Dichloropropene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Ethylbenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
2-Hexanone	<5.00	P6	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Isopropylbenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Methyl Acetate	<5.00	P6	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Methyl tert-Butyl Ether	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Methylene Chloride	<2.50	P6	5.00	2.50	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
4-Methyl-2-pentanone	<5.00	P6	10.0	5.00	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Styrene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,1,2,2-Tetrachloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Tetrachloroethene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Toluene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,2,4-Trichlorobenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,2,3-Trichlorobenzene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,1,1-Trichloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
1,1,2-Trichloroethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Trichloroethene	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Trichlorofluoromethane	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Vinyl chloride	<0.500	P6	1.00	0.500	ug/L		11/14/11 04:53	11/14/11 09:04	1.00
Xylenes, total	<1.50	P6	3.00	1.50	ug/L		11/14/11 04:53	11/14/11 09:04	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-3 (1-5)**

**Lab Sample ID: NUK1675-08**

**Date Collected: 11/09/11 14:30**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	108	P6	70 - 130	11/14/11 04:53	11/14/11 09:04	1.00
Dibromofluoromethane	105	P6	70 - 130	11/14/11 04:53	11/14/11 09:04	1.00
Toluene-d8	97	P6	70 - 130	11/14/11 04:53	11/14/11 09:04	1.00
4-Bromofluorobenzene	93	P6	70 - 130	11/14/11 04:53	11/14/11 09:04	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Acenaphthylene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Anthracene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Benzo (a) anthracene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Benzo (a) pyrene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Benzo (b) fluoranthene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Benzo (g,h,i) perylene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Benzo (k) fluoranthene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
4-Bromophenyl phenyl ether	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Butyl benzyl phthalate	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Carbazole	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
4-Chloro-3-methylphenol	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
4-Chloroaniline	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Bis(2-chloroethoxy)methane	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Bis(2-chloroethyl)ether	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Bis(2-chloroisopropyl)ether	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
2-Chloronaphthalene	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
2-Chlorophenol	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
4-Chlorophenyl phenyl ether	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Chrysene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Dibenz (a,h) anthracene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Dibenzofuran	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Di-n-butyl phthalate	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
1,4-Dichlorobenzene	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
1,2-Dichlorobenzene	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
1,3-Dichlorobenzene	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
3,3-Dichlorobenzidine	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
2,4-Dichlorophenol	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Diethyl phthalate	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
2,4-Dimethylphenol	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Dimethyl phthalate	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
4,6-Dinitro-2-methylphenol	<12.7		24.5	12.7	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
2,4-Dinitrophenol	<12.7		24.5	12.7	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
2,6-Dinitrotoluene	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
2,4-Dinitrotoluene	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Di-n-octyl phthalate	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Bis(2-ethylhexyl)phthalate	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Fluoranthene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Fluorene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Hexachlorobenzene	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Hexachlorobutadiene	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Hexachlorocyclopentadiene	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Hexachloroethane	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Indeno (1,2,3-cd) pyrene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-3 (1-5)**

**Lab Sample ID: NUK1675-08**

**Date Collected: 11/09/11 14:30**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
<b>2-Methylnaphthalene</b>	<b>2.61</b>		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
2-Methylphenol	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Naphthalene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
3/4-Methylphenol	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
3-Nitroaniline	<12.7		24.5	12.7	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
2-Nitroaniline	<12.7		24.5	12.7	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
4-Nitroaniline	<12.7		24.5	12.7	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Nitrobenzene	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
4-Nitrophenol	<4.90		24.5	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
2-Nitrophenol	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
N-Nitrosodiphenylamine	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
N-Nitrosodi-n-propylamine	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Pentachlorophenol	<12.7		24.5	12.7	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Phenanthrene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Phenol	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
Pyrene	<0.980		1.96	0.980	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
1,2,4-Trichlorobenzene	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
2,4,6-Trichlorophenol	<4.90		9.80	4.90	ug/L		11/12/11 10:35	11/14/11 00:08	1.00
2,4,5-Trichlorophenol	<12.7		24.5	12.7	ug/L		11/12/11 10:35	11/14/11 00:08	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Terphenyl-d14</i>	61		13 - 120	11/12/11 10:35	11/14/11 00:08	1.00
<i>2,4,6-Tribromophenol</i>	55		10 - 120	11/12/11 10:35	11/14/11 00:08	1.00
<i>Phenol-d5</i>	21		10 - 120	11/12/11 10:35	11/14/11 00:08	1.00
<i>2-Fluorobiphenyl</i>	58		29 - 120	11/12/11 10:35	11/14/11 00:08	1.00
<i>2-Fluorophenol</i>	35		10 - 120	11/12/11 10:35	11/14/11 00:08	1.00
<i>Nitrobenzene-d5</i>	59		27 - 120	11/12/11 10:35	11/14/11 00:08	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
delta-BHC	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
alpha-BHC	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
beta-BHC	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
gamma-BHC (Lindane)	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
alpha-Chlordane	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
gamma-Chlordane	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
Chlordane	<19.0	RL1	38.1	19.0	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
4,4'-DDD	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
4,4'-DDE	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
4,4'-DDT	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
Dieldrin	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
Endosulfan I	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
Endosulfan II	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
Endosulfan sulfate	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
Endrin	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
Endrin aldehyde	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
Endrin ketone	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
Heptachlor	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
Heptachlor epoxide	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-3 (1-5)**

**Lab Sample ID: NUK1675-08**

**Date Collected: 11/09/11 14:30**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.248	RL1	0.476	0.248	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
Toxaphene	<19.0	RL1	38.1	19.0	ug/L		11/12/11 14:15	11/15/11 12:36	20.0
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	100		38 - 150				11/12/11 14:15	11/15/11 12:36	20.0
Decachlorobiphenyl	60		10 - 141				11/12/11 14:15	11/15/11 12:36	20.0

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.238	QSU	0.476	0.238	ug/L		11/12/11 13:30	11/17/11 16:02	1.00
PCB-1221	<0.238	QSU	0.476	0.238	ug/L		11/12/11 13:30	11/17/11 16:02	1.00
PCB-1232	<0.238	QSU	0.476	0.238	ug/L		11/12/11 13:30	11/17/11 16:02	1.00
PCB-1242	<0.238	QSU	0.476	0.238	ug/L		11/12/11 13:30	11/17/11 16:02	1.00
PCB-1248	<0.238	QSU	0.476	0.238	ug/L		11/12/11 13:30	11/17/11 16:02	1.00
PCB-1254	<0.238	QSU	0.476	0.238	ug/L		11/12/11 13:30	11/17/11 16:02	1.00
PCB-1260	<0.238	QSU	0.476	0.238	ug/L		11/12/11 13:30	11/17/11 16:02	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	87		17 - 142				11/12/11 13:30	11/17/11 16:02	1.00
Decachlorobiphenyl	81		10 - 149				11/12/11 13:30	11/17/11 16:02	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.500	P7	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Antimony	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Arsenic	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Barium</b>	<b>0.379</b>	<b>P7</b>	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Beryllium	<0.0200	P7	0.0400	0.0200	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Cadmium	<0.00600	P7	0.0100	0.00600	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Calcium</b>	<b>460</b>	<b>P7</b>	10.0	5.00	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Chromium	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Cobalt	<0.100	P7	0.200	0.100	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Copper	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Iron</b>	<b>0.302</b>	<b>J P7</b>	0.500	0.250	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Lead	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Magnesium</b>	<b>854</b>	<b>P7</b>	10.0	5.00	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Manganese</b>	<b>0.162</b>	<b>P7</b>	0.150	0.0750	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Nickel	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Potassium</b>	<b>259</b>	<b>P7</b>	10.0	5.00	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Selenium	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Silver	<0.0250	P7	0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Sodium</b>	<b>6850</b>	<b>B B1 P7</b>	100	50.0	mg/L		11/16/11 06:10	11/16/11 15:24	100
Thallium	<0.0500	P7	0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Vanadium	<0.100	P7	0.200	0.100	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Zinc	<0.250	P7	0.500	0.250	mg/L		11/16/11 06:10	11/16/11 15:20	10.0

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Antimony	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Arsenic	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-3 (1-5)**

**Lab Sample ID: NUK1675-08**

**Date Collected: 11/09/11 14:30**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Barium</b>	<b>0.379</b>		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Beryllium	<0.0200		0.0400	0.0200	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Cadmium	<0.00600		0.0100	0.00600	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Calcium</b>	<b>460</b>		10.0	5.00	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Chromium	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Cobalt	<0.100		0.200	0.100	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Copper	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Iron</b>	<b>0.302</b>	<b>J</b>	0.500	0.250	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Lead	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Magnesium</b>	<b>854</b>		10.0	5.00	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Manganese</b>	<b>0.162</b>		0.150	0.0750	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Nickel	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Potassium</b>	<b>259</b>		10.0	5.00	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Selenium	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Silver	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
<b>Sodium</b>	<b>6850</b>	<b>B B1</b>	100	50.0	mg/L		11/16/11 06:10	11/16/11 15:24	100
Thallium	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Vanadium	<0.100		0.200	0.100	mg/L		11/16/11 06:10	11/16/11 15:20	10.0
Zinc	<0.250		0.500	0.250	mg/L		11/16/11 06:10	11/16/11 15:20	10.0

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		11/15/11 09:40	11/15/11 15:59	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		11/14/11 09:00	11/14/11 13:20	1.00

**Client Sample ID: Tract 35 SB-4 (0-2)**

**Lab Sample ID: NUK1675-09**

**Date Collected: 11/09/11 16:45**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 80.2**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.0667</b>		0.0564	0.0282	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Benzene	<0.00124		0.00226	0.00124	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Bromochloromethane	<0.00135		0.00226	0.00135	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Bromodichloromethane	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Bromoform	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Bromomethane	<0.00135		0.00226	0.00135	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
2-Butanone	<0.0282		0.0564	0.0282	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Carbon disulfide	<0.00406		0.00564	0.00406	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Carbon Tetrachloride	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Chlorobenzene	<0.00124		0.00226	0.00124	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Chlorodibromomethane	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Chloroethane	<0.00282		0.00564	0.00282	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Chloroform	<0.00147		0.00226	0.00147	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Chloromethane	<0.00124		0.00226	0.00124	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Cyclohexane	<0.00564		0.0113	0.00564	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,2-Dibromo-3-chloropropane	<0.00282		0.00564	0.00282	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-4 (0-2)**

**Lab Sample ID: NUK1675-09**

**Date Collected: 11/09/11 16:45**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 80.2**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Methylcyclohexane	<0.00564		0.0113	0.00564	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,2-Dichlorobenzene	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,3-Dichlorobenzene	<0.00135		0.00226	0.00135	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,4-Dichlorobenzene	<0.00124		0.00226	0.00124	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Dichlorodifluoromethane	<0.00158		0.00226	0.00158	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,2-Dichloroethane	<0.00124		0.00226	0.00124	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,1-Dichloroethane	<0.00147		0.00226	0.00147	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,1-Dichloroethene	<0.00135		0.00226	0.00135	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
trans-1,2-Dichloroethene	<0.00147		0.00226	0.00147	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,1,2-Trifluorotrchloroethane	<0.00124		0.00226	0.00124	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
cis-1,2-Dichloroethene	<0.00124		0.00226	0.00124	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,2-Dichloropropane	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
trans-1,3-Dichloropropene	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
cis-1,3-Dichloropropene	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Ethylbenzene	<0.00124		0.00226	0.00124	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
2-Hexanone	<0.0282		0.0564	0.0282	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Isopropylbenzene	<0.00124		0.00226	0.00124	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Methyl Acetate	<0.00564		0.0113	0.00564	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Methyl tert-Butyl Ether	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Methylene Chloride	<0.00564		0.0113	0.00564	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
4-Methyl-2-pentanone	<0.0282		0.0564	0.0282	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Styrene	<0.00124		0.00226	0.00124	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,1,2,2-Tetrachloroethane	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Tetrachloroethene	<0.00147		0.00226	0.00147	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Toluene	<0.00124		0.00226	0.00124	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,2,4-Trichlorobenzene	<0.00135		0.00226	0.00135	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,2,3-Trichlorobenzene	<0.00124		0.00226	0.00124	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,1,1-Trichloroethane	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
1,1,2-Trichloroethane	<0.00282		0.00564	0.00282	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Trichloroethene	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Trichlorofluoromethane	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Vinyl chloride	<0.00113		0.00226	0.00113	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Xylenes, total	<0.00282		0.00564	0.00282	mg/kg dry	☼	11/09/11 16:45	11/15/11 20:26	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		70 - 130				11/09/11 16:45	11/15/11 20:26	1.00
Dibromofluoromethane	100		70 - 130				11/09/11 16:45	11/15/11 20:26	1.00
Toluene-d8	99		70 - 130				11/09/11 16:45	11/15/11 20:26	1.00
4-Bromofluorobenzene	105		70 - 130				11/09/11 16:45	11/15/11 20:26	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Acenaphthylene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Anthracene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
<b>Benzo (a) anthracene</b>	<b>0.0648</b>	<b>J</b>	0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
<b>Benzo (a) pyrene</b>	<b>0.0468</b>	<b>J</b>	0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
<b>Benzo (b) fluoranthene</b>	<b>0.0460</b>	<b>J</b>	0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Benzo (g,h,i) perylene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Benzo (k) fluoranthene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-4 (0-2)**

**Lab Sample ID: NUK1675-09**

**Date Collected: 11/09/11 16:45**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 80.2**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Butyl benzyl phthalate	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Carbazole	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
4-Chloro-3-methylphenol	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
4-Chloroaniline	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Bis(2-chloroethoxy)methane	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Bis(2-chloroethyl)ether	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Bis(2-chloroisopropyl)ether	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
2-Chloronaphthalene	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
2-Chlorophenol	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
4-Chlorophenyl phenyl ether	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
<b>Chrysene</b>	<b>0.0431</b>	<b>J</b>	0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Dibenz (a,h) anthracene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Dibenzofuran	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Di-n-butyl phthalate	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
1,4-Dichlorobenzene	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
1,2-Dichlorobenzene	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
1,3-Dichlorobenzene	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
3,3-Dichlorobenzidine	<0.206		0.821	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
2,4-Dichlorophenol	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Diethyl phthalate	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
4,6-Dinitro-2-methylphenol	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
2,4-Dinitrophenol	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
2,6-Dinitrotoluene	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
2,4-Dinitrotoluene	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Di-n-octyl phthalate	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Bis(2-ethylhexyl)phthalate	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
<b>Fluoranthene</b>	<b>0.115</b>		0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Fluorene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Hexachlorobenzene	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Hexachlorobutadiene	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Hexachlorocyclopentadiene	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Hexachloroethane	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
<b>Indeno (1,2,3-cd) pyrene</b>	<b>0.0689</b>	<b>J</b>	0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Isophorone	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
2-Methylnaphthalene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
2-Methylphenol	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
3/4-Methylphenol	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Naphthalene	<0.0419		0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
3-Nitroaniline	<0.206		1.03	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
2-Nitroaniline	<0.206		1.03	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
4-Nitroaniline	<0.206		1.03	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Nitrobenzene	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
4-Nitrophenol	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
2-Nitrophenol	<0.241		0.410	0.241	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
N-Nitrosodiphenylamine	<0.225		0.410	0.225	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
N-Nitrosodi-n-propylamine	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Pentachlorophenol	<0.206		1.03	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-4 (0-2)**

**Lab Sample ID: NUK1675-09**

Date Collected: 11/09/11 16:45

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 80.2

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Phenanthrene</b>	<b>0.105</b>		0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
Phenol	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
<b>Pyrene</b>	<b>0.0817</b>	<b>J</b>	0.0825	0.0419	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
1,2,4-Trichlorobenzene	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
2,4,6-Trichlorophenol	<0.206		0.410	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
2,4,5-Trichlorophenol	<0.206		1.03	0.206	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:24	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Terphenyl-d14	55		18 - 120				11/14/11 09:20	11/14/11 23:24	1.00
2,4,6-Tribromophenol	55		19 - 120				11/14/11 09:20	11/14/11 23:24	1.00
Phenol-d5	43		18 - 120				11/14/11 09:20	11/14/11 23:24	1.00
2-Fluorobiphenyl	49		14 - 120				11/14/11 09:20	11/14/11 23:24	1.00
2-Fluorophenol	41		17 - 120				11/14/11 09:20	11/14/11 23:24	1.00
Nitrobenzene-d5	44		17 - 120				11/14/11 09:20	11/14/11 23:24	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00206	QSU RL1	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
delta-BHC	<0.00206	QSU RL1	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
alpha-BHC	<0.00206	QSU RL1	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
beta-BHC	<0.00206	QSU RL1	0.00810	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
gamma-BHC (Lindane)	<0.00206	QSU RL1	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
alpha-Chlordane	<0.00206	QSU RL1	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
gamma-Chlordane	<0.00206	QSU RL1	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
Chlordane	<0.0818	QSU RL1	0.164	0.0818	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
4,4'-DDD	<0.00206	RL1 QSU	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
4,4'-DDE	<0.00206	QSU RL1	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
4,4'-DDT	<0.00206	QSU RL1	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
Dieldrin	<0.00206	QSU RL1	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
Endosulfan I	<0.00206	RL1 QSU	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
Endosulfan II	<0.00206	RL1 QSU	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
Endosulfan sulfate	<0.00206	RL1 QSU	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
Endrin	<0.00206	RL1 QSU	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
Endrin aldehyde	<0.00206	RL1 QSU	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
Endrin ketone	<0.00206	QSU RL1	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
Heptachlor	<0.00206	QSU RL1	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
Heptachlor epoxide	<0.00206	QSU RL1	0.00417	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
Methoxychlor	<0.00206	QSU RL1	0.00810	0.00206	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
Toxaphene	<0.104	QSU RL1	0.164	0.104	mg/kg dry	☼	11/14/11 08:25	11/17/11 01:10	2.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	76		21 - 145				11/14/11 08:25	11/17/11 01:10	2.00
Decachlorobiphenyl	76		25 - 150				11/14/11 08:25	11/17/11 01:10	2.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0258		0.0409	0.0258	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:16	1.00
PCB-1221	<0.0135		0.0409	0.0135	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:16	1.00
PCB-1232	<0.0197		0.0409	0.0197	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:16	1.00
PCB-1242	<0.0319		0.0409	0.0319	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:16	1.00
PCB-1248	<0.0369		0.0409	0.0369	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:16	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-4 (0-2)**

**Lab Sample ID: NUK1675-09**

Date Collected: 11/09/11 16:45

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 80.2

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	<0.0135		0.0409	0.0135	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:16	1.00
<b>PCB-1260</b>	<b>0.0369</b>	<b>J</b>	0.0409	0.0344	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:16	1.00
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tetrachloro-meta-xylene</i>	96		19 - 147				11/14/11 09:00	11/16/11 05:16	1.00
<i>Decachlorobiphenyl</i>	84		20 - 150				11/14/11 09:00	11/16/11 05:16	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>2410</b>		24.8	12.4	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
Antimony	<6.19		12.4	6.19	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Arsenic</b>	<b>1.64</b>		1.24	0.619	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Barium</b>	<b>99.0</b>		2.48	1.24	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
Beryllium	<0.619		1.24	0.619	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
Cadmium	<0.619		1.24	0.619	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Calcium</b>	<b>7290</b>		124	61.9	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Chromium</b>	<b>4.71</b>		1.24	0.619	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
Cobalt	<1.86		3.72	1.86	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Copper</b>	<b>18.0</b>		2.48	1.24	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Iron</b>	<b>3590</b>	<b>B B1</b>	12.4	6.19	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Lead</b>	<b>224</b>		1.24	0.619	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Magnesium</b>	<b>288</b>		124	61.9	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Manganese</b>	<b>19.3</b>		3.72	1.86	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Nickel</b>	<b>3.15</b>		2.48	1.24	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Potassium</b>	<b>138</b>		124	61.9	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
Selenium	<1.24		2.48	1.24	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
Silver	<0.619		1.24	0.619	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
Sodium	<124		248	124	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
Thallium	<1.24		2.48	1.24	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Vanadium</b>	<b>9.59</b>	<b>J</b>	12.4	6.19	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00
<b>Zinc</b>	<b>348</b>		12.4	6.19	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:08	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.11</b>	<b>J</b>	0.12	0.062	mg/kg dry	☼	11/17/11 10:40	11/17/11 13:49	1.0

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>% Dry Solids</b>	<b>80.2</b>		0.500	0.500	%		11/17/11 08:03	11/17/11 10:37	1.00

**Client Sample ID: Tract 35 SB-4 (10-14)**

**Lab Sample ID: NUK1675-10**

Date Collected: 11/09/11 17:00

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 81.7

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0245		0.0489	0.0245	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Benzene	<0.00108		0.00196	0.00108	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Bromochloromethane	<0.00117		0.00196	0.00117	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Bromodichloromethane	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-4 (10-14)**

**Lab Sample ID: NUK1675-10**

**Date Collected: 11/09/11 17:00**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 81.7**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Bromomethane	<0.00117		0.00196	0.00117	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
2-Butanone	<0.0245		0.0489	0.0245	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Carbon disulfide	<0.00352		0.00489	0.00352	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Carbon Tetrachloride	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
<b>Chlorobenzene</b>	<b>0.00594</b>		0.00196	0.00108	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Chlorodibromomethane	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Chloroethane	<0.00245		0.00489	0.00245	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Chloroform	<0.00127		0.00196	0.00127	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Chloromethane	<0.00108		0.00196	0.00108	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Cyclohexane	<0.00489		0.00979	0.00489	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,2-Dibromo-3-chloropropane	<0.00245		0.00489	0.00245	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,2-Dibromoethane (EDB)	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Methylcyclohexane	<0.00489		0.00979	0.00489	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,2-Dichlorobenzene	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,3-Dichlorobenzene	<0.00117		0.00196	0.00117	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,4-Dichlorobenzene	<0.00108		0.00196	0.00108	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Dichlorodifluoromethane	<0.00137		0.00196	0.00137	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,2-Dichloroethane	<0.00108		0.00196	0.00108	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,1-Dichloroethane	<0.00127		0.00196	0.00127	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,1-Dichloroethene	<0.00117		0.00196	0.00117	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
trans-1,2-Dichloroethene	<0.00127		0.00196	0.00127	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,1,2-Trifluoro-trichloroethane	<0.00108		0.00196	0.00108	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
cis-1,2-Dichloroethene	<0.00108		0.00196	0.00108	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,2-Dichloropropane	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
trans-1,3-Dichloropropene	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
cis-1,3-Dichloropropene	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Ethylbenzene	<0.00108		0.00196	0.00108	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
2-Hexanone	<0.0245		0.0489	0.0245	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Isopropylbenzene	<0.00108		0.00196	0.00108	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Methyl Acetate	<0.00489		0.00979	0.00489	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Methyl tert-Butyl Ether	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Methylene Chloride	<0.00489		0.00979	0.00489	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
4-Methyl-2-pentanone	<0.0245		0.0489	0.0245	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Styrene	<0.00108		0.00196	0.00108	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,1,2,2-Tetrachloroethane	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Tetrachloroethene	<0.00127		0.00196	0.00127	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Toluene	<0.00108		0.00196	0.00108	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,2,4-Trichlorobenzene	<0.00117		0.00196	0.00117	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,2,3-Trichlorobenzene	<0.00108		0.00196	0.00108	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,1,1-Trichloroethane	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
1,1,2-Trichloroethane	<0.00245		0.00489	0.00245	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Trichloroethene	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Trichlorofluoromethane	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Vinyl chloride	<0.000979		0.00196	0.000979	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00
Xylenes, total	<0.00245		0.00489	0.00245	mg/kg dry	☼	11/09/11 17:00	11/15/11 20:54	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130	11/09/11 17:00	11/15/11 20:54	1.00
Dibromofluoromethane	101		70 - 130	11/09/11 17:00	11/15/11 20:54	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-4 (10-14)**

**Lab Sample ID: NUK1675-10**

**Date Collected: 11/09/11 17:00**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 81.7**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8	98		70 - 130	11/09/11 17:00	11/15/11 20:54	1.00
4-Bromofluorobenzene	103		70 - 130	11/09/11 17:00	11/15/11 20:54	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Acenaphthylene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Anthracene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Benzo (a) anthracene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Benzo (a) pyrene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Benzo (b) fluoranthene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Benzo (g,h,i) perylene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Benzo (k) fluoranthene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
4-Bromophenyl phenyl ether	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Butyl benzyl phthalate	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Carbazole	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
4-Chloro-3-methylphenol	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
4-Chloroaniline	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Bis(2-chloroethoxy)methane	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Bis(2-chloroethyl)ether	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Bis(2-chloroisopropyl)ether	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
2-Chloronaphthalene	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
2-Chlorophenol	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
4-Chlorophenyl phenyl ether	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Chrysene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Dibenz (a,h) anthracene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Dibenzofuran	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Di-n-butyl phthalate	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
1,4-Dichlorobenzene	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
1,2-Dichlorobenzene	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
1,3-Dichlorobenzene	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
3,3-Dichlorobenzidine	<0.200		0.797	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
2,4-Dichlorophenol	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Diethyl phthalate	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
2,4-Dimethylphenol	<0.229		0.398	0.229	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Dimethyl phthalate	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
4,6-Dinitro-2-methylphenol	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
2,4-Dinitrophenol	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
2,6-Dinitrotoluene	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
2,4-Dinitrotoluene	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Di-n-octyl phthalate	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Bis(2-ethylhexyl)phthalate	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Fluoranthene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Fluorene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Hexachlorobenzene	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Hexachlorobutadiene	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Hexachlorocyclopentadiene	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Hexachloroethane	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Indeno (1,2,3-cd) pyrene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Isophorone	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-4 (10-14)**

**Lab Sample ID: NUK1675-10**

**Date Collected: 11/09/11 17:00**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 81.7**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
2-Methylphenol	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
3/4-Methylphenol	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Naphthalene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
3-Nitroaniline	<0.200		0.995	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
2-Nitroaniline	<0.200		0.995	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
4-Nitroaniline	<0.200		0.995	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Nitrobenzene	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
4-Nitrophenol	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
2-Nitrophenol	<0.234		0.398	0.234	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
N-Nitrosodiphenylamine	<0.219		0.398	0.219	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
N-Nitrosodi-n-propylamine	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Pentachlorophenol	<0.200		0.995	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Phenanthrene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Phenol	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
Pyrene	<0.0406		0.0801	0.0406	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
1,2,4-Trichlorobenzene	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
2,4,6-Trichlorophenol	<0.200		0.398	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00
2,4,5-Trichlorophenol	<0.200		0.995	0.200	mg/kg dry	☼	11/14/11 09:20	11/14/11 23:44	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	76		18 - 120	11/14/11 09:20	11/14/11 23:44	1.00
2,4,6-Tribromophenol	61		19 - 120	11/14/11 09:20	11/14/11 23:44	1.00
Phenol-d5	48		18 - 120	11/14/11 09:20	11/14/11 23:44	1.00
2-Fluorobiphenyl	52		14 - 120	11/14/11 09:20	11/14/11 23:44	1.00
2-Fluorophenol	42		17 - 120	11/14/11 09:20	11/14/11 23:44	1.00
Nitrobenzene-d5	51		17 - 120	11/14/11 09:20	11/14/11 23:44	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
delta-BHC	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
alpha-BHC	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
beta-BHC	<0.00100		0.00393	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
gamma-BHC (Lindane)	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
alpha-Chlordane	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
gamma-Chlordane	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
Chlordane	<0.0396		0.0794	0.0396	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
4,4'-DDD	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
4,4'-DDE	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
4,4'-DDT	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
Dieldrin	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
Endosulfan I	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
Endosulfan II	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
Endosulfan sulfate	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
Endrin	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
Endrin aldehyde	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
Endrin ketone	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
Heptachlor	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
Heptachlor epoxide	<0.00100		0.00202	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
Methoxychlor	<0.00100		0.00393	0.00100	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Client Sample ID: Tract 35 SB-4 (10-14)

## Lab Sample ID: NUK1675-10

Date Collected: 11/09/11 17:00

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 81.7

### Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.0502		0.0794	0.0502	mg/kg dry	☼	11/14/11 08:25	11/16/11 10:27	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	102		21 - 145				11/14/11 08:25	11/16/11 10:27	1.00
Decachlorobiphenyl	106		25 - 150				11/14/11 08:25	11/16/11 10:27	1.00

### Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0256		0.0406	0.0256	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:38	1.00
PCB-1221	<0.0134		0.0406	0.0134	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:38	1.00
PCB-1232	<0.0195		0.0406	0.0195	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:38	1.00
PCB-1242	<0.0317		0.0406	0.0317	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:38	1.00
PCB-1248	<0.0366		0.0406	0.0366	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:38	1.00
PCB-1254	<0.0134		0.0406	0.0134	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:38	1.00
PCB-1260	<0.0342		0.0406	0.0342	mg/kg dry	☼	11/14/11 09:00	11/16/11 05:38	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	98		19 - 147				11/14/11 09:00	11/16/11 05:38	1.00
Decachlorobiphenyl	86		20 - 150				11/14/11 09:00	11/16/11 05:38	1.00

### Method: SW846 6010C - Total Metals by EPA 6010C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>1820</b>		24.2	12.1	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
Antimony	<6.06		12.1	6.06	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
<b>Arsenic</b>	<b>0.727 J</b>		1.21	0.606	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
<b>Barium</b>	<b>5.67</b>		2.42	1.21	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
Beryllium	<0.606		1.21	0.606	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
Cadmium	<0.606		1.21	0.606	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
<b>Calcium</b>	<b>674</b>		121	60.6	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
<b>Chromium</b>	<b>1.79</b>		1.21	0.606	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
Cobalt	<1.82		3.63	1.82	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
Copper	<1.21		2.42	1.21	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
<b>Iron</b>	<b>2050 B B1</b>		12.1	6.06	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
<b>Lead</b>	<b>1.38</b>		1.21	0.606	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
<b>Magnesium</b>	<b>155</b>		121	60.6	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
<b>Manganese</b>	<b>6.25</b>		3.63	1.82	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
Nickel	<1.21		2.42	1.21	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
<b>Potassium</b>	<b>134</b>		121	60.6	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
Selenium	<1.21		2.42	1.21	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
Silver	<0.606		1.21	0.606	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
Sodium	<121		242	121	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
Thallium	<1.21		2.42	1.21	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
Vanadium	<6.06		12.1	6.06	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00
Zinc	<6.06		12.1	6.06	mg/kg dry	☼	11/16/11 06:39	11/16/11 19:11	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.060		0.12	0.060	mg/kg dry	☼	11/17/11 10:40	11/17/11 13:52	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>% Dry Solids</b>	<b>81.7</b>		0.500	0.500	%		11/17/11 08:03	11/17/11 10:37	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
 Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Trip Blank**

**Lab Sample ID: NUK1675-11**

**Date Collected: 11/08/11 00:01**

**Matrix: Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Benzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Bromoform	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Chloroform	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Styrene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Toluene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:22	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		11/13/11 16:47	11/13/11 22:22	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Client Sample ID: Trip Blank

Date Collected: 11/08/11 00:01

Date Received: 11/11/11 08:30

## Lab Sample ID: NUK1675-11

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130	11/13/11 16:47	11/13/11 22:22	1.00
Dibromofluoromethane	102		70 - 130	11/13/11 16:47	11/13/11 22:22	1.00
Toluene-d8	97		70 - 130	11/13/11 16:47	11/13/11 22:22	1.00
4-Bromofluorobenzene	94		70 - 130	11/13/11 16:47	11/13/11 22:22	1.00

## Client Sample ID: Trip Blank

Date Collected: 11/08/11 00:01

Date Received: 11/11/11 08:30

## Lab Sample ID: NUK1675-12

Matrix: Water

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Benzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Bromoform	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Chloroform	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,1,2-Trifluoroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Styrene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Trip Blank**

**Lab Sample ID: NUK1675-12**

**Date Collected: 11/08/11 00:01**

**Matrix: Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Toluene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		11/13/11 16:47	11/13/11 22:50	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	102		70 - 130				11/13/11 16:47	11/13/11 22:50	1.00
Dibromofluoromethane	102		70 - 130				11/13/11 16:47	11/13/11 22:50	1.00
Toluene-d8	97		70 - 130				11/13/11 16:47	11/13/11 22:50	1.00
4-Bromofluorobenzene	96		70 - 130				11/13/11 16:47	11/13/11 22:50	1.00

**Client Sample ID: Trip Blank**

**Lab Sample ID: NUK1675-13**

**Date Collected: 11/08/11 00:01**

**Matrix: Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Benzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Bromoform	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Chloroform	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Trip Blank**

**Lab Sample ID: NUK1675-13**

**Date Collected: 11/08/11 00:01**

**Matrix: Water**

**Date Received: 11/11/11 08:30**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Styrene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Toluene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 23:18	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		11/13/11 16:47	11/13/11 23:18	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		70 - 130	11/13/11 16:47	11/13/11 23:18	1.00
Dibromofluoromethane	104		70 - 130	11/13/11 16:47	11/13/11 23:18	1.00
Toluene-d8	98		70 - 130	11/13/11 16:47	11/13/11 23:18	1.00
4-Bromofluorobenzene	98		70 - 130	11/13/11 16:47	11/13/11 23:18	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 11K1458-BLK1**

**Matrix: Soil**

**Analysis Batch: U020357**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K1458\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,1,2-Trifluorotrchloroethane	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K1458-BLK1**

**Matrix: Soil**

**Analysis Batch: U020357**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K1458\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		11/15/11 13:05	11/15/11 16:13	1.00
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130				11/15/11 13:05	11/15/11 16:13	1.00
Dibromofluoromethane	100		70 - 130				11/15/11 13:05	11/15/11 16:13	1.00
Toluene-d8	103		70 - 130				11/15/11 13:05	11/15/11 16:13	1.00
4-Bromofluorobenzene	105		70 - 130				11/15/11 13:05	11/15/11 16:13	1.00

**Lab Sample ID: 11K1458-BLK2**

**Matrix: Soil**

**Analysis Batch: U020357**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K1458\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,1,2-Trifluorotrchloroethane	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Methyl Acetate	<0.250		0.500	0.250	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K1458-BLK2**

**Matrix: Soil**

**Analysis Batch: U020357**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K1458\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		11/15/11 13:05	11/15/11 16:41	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		70 - 130	11/15/11 13:05	11/15/11 16:41	50.0
Dibromofluoromethane	99		70 - 130	11/15/11 13:05	11/15/11 16:41	50.0
Toluene-d8	102		70 - 130	11/15/11 13:05	11/15/11 16:41	50.0
4-Bromofluorobenzene	107		70 - 130	11/15/11 13:05	11/15/11 16:41	50.0

**Lab Sample ID: 11K1458-BS1**

**Matrix: Soil**

**Analysis Batch: U020357**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K1458\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	250	281		ug/kg		112	51 - 149
Benzene	50.0	55.4		ug/kg		111	75 - 127
Bromochloromethane	50.0	51.4		ug/kg		103	70 - 132
Bromodichloromethane	50.0	53.3		ug/kg		107	68 - 135
Bromoform	50.0	63.0		ug/kg		126	36 - 150
Bromomethane	50.0	49.7		ug/kg		99	43 - 142
2-Butanone	250	287		ug/kg		115	61 - 132
Carbon disulfide	50.0	60.6		ug/kg		121	74 - 135
Carbon Tetrachloride	50.0	55.0		ug/kg		110	70 - 141
Chlorobenzene	50.0	53.2		ug/kg		106	84 - 125
Chlorodibromomethane	50.0	56.7		ug/kg		113	66 - 134
Chloroethane	50.0	57.0		ug/kg		114	53 - 144
Chloroform	50.0	51.3		ug/kg		103	76 - 130
Chloromethane	50.0	42.2		ug/kg		84	23 - 150
Cyclohexane	50.0	58.8		ug/kg		118	70 - 133
1,2-Dibromo-3-chloropropane	50.0	55.0		ug/kg		110	49 - 142
1,2-Dibromoethane (EDB)	50.0	54.9		ug/kg		110	80 - 135
Methylcyclohexane	50.0	55.2		ug/kg		110	69 - 140
1,2-Dichlorobenzene	50.0	53.5		ug/kg		107	80 - 134
1,3-Dichlorobenzene	50.0	54.0		ug/kg		108	79 - 137
1,4-Dichlorobenzene	50.0	54.4		ug/kg		109	77 - 139
Dichlorodifluoromethane	50.0	30.0		ug/kg		60	12 - 144
1,2-Dichloroethane	50.0	52.5		ug/kg		105	65 - 134

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K1458-BS1**

**Matrix: Soil**

**Analysis Batch: U020357**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K1458\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
1,1-Dichloroethane	50.0	57.2		ug/kg		114	75 - 124	
1,1-Dichloroethene	50.0	57.4		ug/kg		115	75 - 131	
trans-1,2-Dichloroethene	50.0	58.2		ug/kg		116	76 - 128	
1,1,2-Trifluorotrchloroethane	50.0	58.1		ug/kg		116	67 - 136	
cis-1,2-Dichloroethene	50.0	56.8		ug/kg		114	75 - 125	
1,2-Dichloropropane	50.0	51.2		ug/kg		102	69 - 120	
trans-1,3-Dichloropropene	50.0	60.6		ug/kg		121	62 - 139	
cis-1,3-Dichloropropene	50.0	62.6		ug/kg		125	73 - 148	
Ethylbenzene	50.0	56.3		ug/kg		113	80 - 134	
2-Hexanone	250	300		ug/kg		120	57 - 148	
Isopropylbenzene	50.0	68.3		ug/kg		137	80 - 150	
Methyl Acetate	50.0	47.8		ug/kg		96	11 - 170	
Methyl tert-Butyl Ether	50.0	60.3		ug/kg		121	70 - 136	
Methylene Chloride	50.0	63.6		ug/kg		127	68 - 144	
4-Methyl-2-pentanone	250	297		ug/kg		119	59 - 138	
Styrene	50.0	62.8		ug/kg		126	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	54.2		ug/kg		108	66 - 134	
Tetrachloroethene	50.0	52.4		ug/kg		105	78 - 140	
Toluene	50.0	56.4		ug/kg		113	80 - 132	
1,2,4-Trichlorobenzene	50.0	55.7		ug/kg		111	62 - 150	
1,2,3-Trichlorobenzene	50.0	56.9		ug/kg		114	70 - 150	
1,1,1-Trichloroethane	50.0	55.0		ug/kg		110	72 - 140	
1,1,2-Trichloroethane	50.0	50.8		ug/kg		102	78 - 128	
Trichloroethene	50.0	51.5		ug/kg		103	77 - 127	
Trichlorofluoromethane	50.0	55.5		ug/kg		111	50 - 140	
Vinyl chloride	50.0	48.5		ug/kg		97	47 - 136	
Xylenes, total	150	179		ug/kg		119	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	99		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	105		70 - 130
4-Bromofluorobenzene	106		70 - 130

**Lab Sample ID: 11K1458-BSD1**

**Matrix: Soil**

**Analysis Batch: U020357**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K1458\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits			
Acetone	250	250		ug/kg		100	51 - 149	12	50	
Benzene	50.0	53.7		ug/kg		107	75 - 127	3	50	
Bromochloromethane	50.0	50.6		ug/kg		101	70 - 132	2	50	
Bromodichloromethane	50.0	53.5		ug/kg		107	68 - 135	0.3	50	
Bromoform	50.0	56.5		ug/kg		113	36 - 150	11	50	
Bromomethane	50.0	44.2		ug/kg		88	43 - 142	12	50	
2-Butanone	250	274		ug/kg		110	61 - 132	5	50	
Carbon disulfide	50.0	54.2		ug/kg		108	74 - 135	11	50	
Carbon Tetrachloride	50.0	53.3		ug/kg		107	70 - 141	3	50	
Chlorobenzene	50.0	52.6		ug/kg		105	84 - 125	1	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K1458-BSD1

Matrix: Soil

Analysis Batch: U020357

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11K1458\_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	Limit
Chlorodibromomethane	50.0	57.4		ug/kg		115	66 - 134	1	50	
Chloroethane	50.0	52.3		ug/kg		105	53 - 144	9	50	
Chloroform	50.0	49.5		ug/kg		99	76 - 130	4	49	
Chloromethane	50.0	37.8		ug/kg		76	23 - 150	11	50	
Cyclohexane	50.0	56.6		ug/kg		113	70 - 133	4	50	
1,2-Dibromo-3-chloropropane	50.0	53.5		ug/kg		107	49 - 142	3	50	
1,2-Dibromoethane (EDB)	50.0	54.3		ug/kg		109	80 - 135	1	50	
Methylcyclohexane	50.0	54.9		ug/kg		110	69 - 140	0.5	50	
1,2-Dichlorobenzene	50.0	52.9		ug/kg		106	80 - 134	1	50	
1,3-Dichlorobenzene	50.0	53.1		ug/kg		106	79 - 137	2	50	
1,4-Dichlorobenzene	50.0	53.0		ug/kg		106	77 - 139	2	50	
Dichlorodifluoromethane	50.0	27.6		ug/kg		55	12 - 144	8	50	
1,2-Dichloroethane	50.0	51.9		ug/kg		104	65 - 134	1	50	
1,1-Dichloroethane	50.0	53.7		ug/kg		107	75 - 124	6	50	
1,1-Dichloroethene	50.0	50.8		ug/kg		102	75 - 131	12	50	
trans-1,2-Dichloroethene	50.0	53.5		ug/kg		107	76 - 128	8	50	
1,1,1-Trifluorotrchloroethane	50.0	51.7		ug/kg		103	67 - 136	12	50	
cis-1,2-Dichloroethene	50.0	55.1		ug/kg		110	75 - 125	3	50	
1,2-Dichloropropane	50.0	51.4		ug/kg		103	69 - 120	0.4	50	
trans-1,3-Dichloropropene	50.0	61.1		ug/kg		122	62 - 139	0.8	50	
cis-1,3-Dichloropropene	50.0	62.2		ug/kg		124	73 - 148	0.7	50	
Ethylbenzene	50.0	55.1		ug/kg		110	80 - 134	2	50	
2-Hexanone	250	298		ug/kg		119	57 - 148	0.6	50	
Isopropylbenzene	50.0	64.0		ug/kg		128	80 - 150	6	50	
Methyl Acetate	50.0	40.7		ug/kg		81	11 - 170	16	50	
Methyl tert-Butyl Ether	50.0	56.2		ug/kg		112	70 - 136	7	50	
Methylene Chloride	50.0	58.3		ug/kg		117	68 - 144	9	50	
4-Methyl-2-pentanone	250	294		ug/kg		118	59 - 138	1	50	
Styrene	50.0	56.5		ug/kg		113	82 - 137	11	50	
1,1,1,2-Tetrachloroethane	50.0	53.7		ug/kg		107	66 - 134	1	50	
Tetrachloroethene	50.0	53.0		ug/kg		106	78 - 140	1	50	
Toluene	50.0	55.3		ug/kg		111	80 - 132	2	50	
1,2,4-Trichlorobenzene	50.0	54.4		ug/kg		109	62 - 150	2	50	
1,2,3-Trichlorobenzene	50.0	56.0		ug/kg		112	70 - 150	2	50	
1,1,1-Trichloroethane	50.0	53.2		ug/kg		106	72 - 140	3	50	
1,1,2-Trichloroethane	50.0	51.3		ug/kg		103	78 - 128	1	50	
Trichloroethene	50.0	52.2		ug/kg		104	77 - 127	1	50	
Trichlorofluoromethane	50.0	48.0		ug/kg		96	50 - 140	14	50	
Vinyl chloride	50.0	44.4		ug/kg		89	47 - 136	9	50	
Xylenes, total	150	167		ug/kg		111	80 - 137	7	50	

Surrogate	LCS Dup		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	98		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	105		70 - 130
4-Bromofluorobenzene	107		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K1458-MS1**

**Matrix: Soil**

**Analysis Batch: U020357**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K1458\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike	Matrix Spike Qualifier	Unit	D	%Rec	Limits
	Result			Result					
Acetone	<0.934		9.34	15.7		mg/kg wet		168	19 - 175
Benzene	<0.0411		1.87	2.13		mg/kg wet		114	31 - 143
Bromochloromethane	<0.0448		1.87	2.05		mg/kg wet		110	31 - 141
Bromodichloromethane	<0.0374		1.87	3.22	M7	mg/kg wet		172	19 - 148
Bromoform	<0.0374		1.87	2.01		mg/kg wet		108	10 - 165
Bromomethane	<0.0448		1.87	1.32		mg/kg wet		71	10 - 164
2-Butanone	<0.934		9.34	13.9		mg/kg wet		148	18 - 153
Carbon disulfide	<0.135		1.87	1.87		mg/kg wet		100	32 - 144
Carbon Tetrachloride	<0.0374		1.87	2.00		mg/kg wet		107	31 - 149
Chlorobenzene	<0.0411		1.87	2.10		mg/kg wet		112	25 - 152
Chlorodibromomethane	<0.0374		1.87	2.38		mg/kg wet		127	14 - 146
Chloroethane	<0.0934		1.87	0.843		mg/kg wet		45	10 - 151
Chloroform	<0.0486		1.87	2.69		mg/kg wet		144	34 - 160
Chloromethane	<0.0411		1.87	1.39		mg/kg wet		75	10 - 156
Cyclohexane	35.1		1.87	36.8		mg/kg wet		91	32 - 158
1,2-Dibromo-3-chloropropane	<0.0934		1.87	1.96		mg/kg wet		105	10 - 147
1,2-Dibromoethane (EDB)	<0.0374		1.87	2.18		mg/kg wet		117	18 - 156
Methylcyclohexane	87.6		1.87	89.7		mg/kg wet		110	29 - 167
1,2-Dichlorobenzene	<0.0374		1.87	2.03		mg/kg wet		109	10 - 160
1,3-Dichlorobenzene	<0.0448		1.87	2.15		mg/kg wet		115	10 - 162
1,4-Dichlorobenzene	<0.0411		1.87	2.13		mg/kg wet		114	11 - 159
Dichlorodifluoromethane	<0.0523		1.87	1.14		mg/kg wet		61	10 - 143
1,2-Dichloroethane	<0.0411		1.87	2.17		mg/kg wet		116	28 - 138
1,1-Dichloroethane	<0.0486		1.87	2.09		mg/kg wet		112	42 - 136
1,1-Dichloroethene	<0.0448		1.87	1.50		mg/kg wet		81	41 - 143
trans-1,2-Dichloroethene	<0.0486		1.87	2.05		mg/kg wet		110	39 - 140
1,1,2-Trifluorotrchloroethane	<0.0411		1.87	1.63		mg/kg wet		87	42 - 147
cis-1,2-Dichloroethene	<0.0411		1.87	2.07		mg/kg wet		111	36 - 139
1,2-Dichloropropane	<0.0374		1.87	3.45	M7	mg/kg wet		184	20 - 146
trans-1,3-Dichloropropene	<0.0374		1.87	2.23		mg/kg wet		119	10 - 157
cis-1,3-Dichloropropene	<0.0374		1.87	2.23		mg/kg wet		119	15 - 166
Ethylbenzene	0.123		1.87	2.46		mg/kg wet		125	23 - 161
2-Hexanone	<0.934		9.34	12.3		mg/kg wet		131	10 - 169
Isopropylbenzene	7.72		1.87	9.77		mg/kg wet		109	23 - 181
Methyl Acetate	<0.187		1.87	2.14		mg/kg wet		115	10 - 200
Methyl tert-Butyl Ether	<0.0374		1.87	2.23		mg/kg wet		119	28 - 141
Methylene Chloride	<0.187		1.87	2.23		mg/kg wet		119	24 - 182
4-Methyl-2-pentanone	<0.934		9.34	11.4		mg/kg wet		122	10 - 168
Styrene	<0.0411		1.87	2.20		mg/kg wet		118	10 - 165
1,1,1,2-Tetrachloroethane	<0.0374		1.87	10.4	M7	mg/kg wet		556	10 - 162
Tetrachloroethene	<0.0486		1.87	2.22		mg/kg wet		119	33 - 161
Toluene	0.0504		1.87	2.14		mg/kg wet		112	30 - 155
1,2,4-Trichlorobenzene	<0.0448		1.87	1.98		mg/kg wet		106	10 - 167
1,2,3-Trichlorobenzene	<0.0411		1.87	1.96		mg/kg wet		105	10 - 157
1,1,1-Trichloroethane	<0.0374		1.87	2.04		mg/kg wet		109	35 - 149
1,1,2-Trichloroethane	<0.0934		1.87	55.6	M7	mg/kg wet		2970	19 - 157
Trichloroethene	<0.0374		1.87	2.12		mg/kg wet		114	27 - 153
Trichlorofluoromethane	<0.0374		1.87	1.67		mg/kg wet		90	25 - 137
Vinyl chloride	<0.0374		1.87	1.75		mg/kg wet		94	20 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K1458-MS1**

**Matrix: Soil**

**Analysis Batch: U020357**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K1458\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Xylenes, total	0.355		5.61	7.02		mg/kg wet		119	25 - 162	
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1,2-Dichloroethane-d4	94		70 - 130							
Dibromofluoromethane	97		70 - 130							
Toluene-d8	142	ZX	70 - 130							
4-Bromofluorobenzene	134	ZX	70 - 130							

**Lab Sample ID: 11K1458-MSD1**

**Matrix: Soil**

**Analysis Batch: U020357**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K1458\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	<0.934		9.34	14.3		mg/kg wet		153	19 - 175	10	50	
Benzene	<0.0411		1.87	2.15		mg/kg wet		115	31 - 143	0.8	50	
Bromochloromethane	<0.0448		1.87	1.98		mg/kg wet		106	31 - 141	3	50	
Bromodichloromethane	<0.0374		1.87	3.22	M7	mg/kg wet		172	19 - 148	0.2	50	
Bromoform	<0.0374		1.87	1.91		mg/kg wet		102	10 - 165	5	50	
Bromomethane	<0.0448		1.87	1.40		mg/kg wet		75	10 - 164	6	50	
2-Butanone	<0.934		9.34	12.7		mg/kg wet		136	18 - 153	9	50	
Carbon disulfide	<0.135		1.87	1.93		mg/kg wet		103	32 - 144	3	50	
Carbon Tetrachloride	<0.0374		1.87	1.96		mg/kg wet		105	31 - 149	2	50	
Chlorobenzene	<0.0411		1.87	2.11		mg/kg wet		113	25 - 152	0.6	50	
Chlorodibromomethane	<0.0374		1.87	2.45		mg/kg wet		131	14 - 146	3	50	
Chloroethane	<0.0934		1.87	1.59	R	mg/kg wet		85	10 - 151	61	50	
Chloroform	<0.0486		1.87	2.73		mg/kg wet		146	34 - 160	1	49	
Chloromethane	<0.0411		1.87	1.44		mg/kg wet		77	10 - 156	3	50	
Cyclohexane	35.1		1.87	38.5	M7	mg/kg wet		185	32 - 158	5	50	
1,2-Dibromo-3-chloropropane	<0.0934		1.87	2.02		mg/kg wet		108	10 - 147	3	50	
1,2-Dibromoethane (EDB)	<0.0374		1.87	2.20		mg/kg wet		118	18 - 156	1	50	
Methylcyclohexane	87.6		1.87	94.3	M7	mg/kg wet		356	29 - 167	5	50	
1,2-Dichlorobenzene	<0.0374		1.87	2.04		mg/kg wet		109	10 - 160	0.3	50	
1,3-Dichlorobenzene	<0.0448		1.87	2.15		mg/kg wet		115	10 - 162	0.3	50	
1,4-Dichlorobenzene	<0.0411		1.87	2.13		mg/kg wet		114	11 - 159	0.1	50	
Dichlorodifluoromethane	<0.0523		1.87	1.09		mg/kg wet		58	10 - 143	5	50	
1,2-Dichloroethane	<0.0411		1.87	2.12		mg/kg wet		114	28 - 138	2	50	
1,1-Dichloroethane	<0.0486		1.87	2.09		mg/kg wet		112	42 - 136	0.3	50	
1,1-Dichloroethene	<0.0448		1.87	1.67		mg/kg wet		89	41 - 143	11	50	
trans-1,2-Dichloroethene	<0.0486		1.87	2.07		mg/kg wet		111	39 - 140	1	50	
1,1,2-Trifluorotrchloroethane	<0.0411		1.87	1.76		mg/kg wet		94	42 - 147	8	50	
cis-1,2-Dichloroethene	<0.0411		1.87	2.09		mg/kg wet		112	36 - 139	0.8	50	
1,2-Dichloropropane	<0.0374		1.87	3.49	M7	mg/kg wet		187	20 - 146	1	50	
trans-1,3-Dichloropropene	<0.0374		1.87	2.31		mg/kg wet		124	10 - 157	4	50	
cis-1,3-Dichloropropene	<0.0374		1.87	2.28		mg/kg wet		122	15 - 166	2	50	
Ethylbenzene	0.123		1.87	2.45		mg/kg wet		125	23 - 161	0.3	50	
2-Hexanone	<0.934		9.34	11.3		mg/kg wet		121	10 - 169	8	50	
Isopropylbenzene	7.72		1.87	10.3		mg/kg wet		137	23 - 181	5	50	
Methyl Acetate	<0.187		1.87	2.00		mg/kg wet		107	10 - 200	7	50	
Methyl tert-Butyl Ether	<0.0374		1.87	2.23		mg/kg wet		119	28 - 141	0.03	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K1458-MSD1**

**Matrix: Soil**

**Analysis Batch: U020357**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K1458\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Methylene Chloride	<0.187		1.87	2.30		mg/kg wet		123	24 - 182	3	50	
4-Methyl-2-pentanone	<0.934		9.34	11.4		mg/kg wet		122	10 - 168	0.4	50	
Styrene	<0.0411		1.87	2.21		mg/kg wet		118	10 - 165	0.6	50	
1,1,2,2-Tetrachloroethane	<0.0374		1.87	10.7	M7	mg/kg wet		573	10 - 162	3	50	
Tetrachloroethene	<0.0486		1.87	2.30		mg/kg wet		123	33 - 161	4	50	
Toluene	0.0504		1.87	2.23		mg/kg wet		117	30 - 155	4	50	
1,2,4-Trichlorobenzene	<0.0448		1.87	1.98		mg/kg wet		106	10 - 167	0	50	
1,2,3-Trichlorobenzene	<0.0411		1.87	2.02		mg/kg wet		108	10 - 157	3	50	
1,1,1-Trichloroethane	<0.0374		1.87	2.05		mg/kg wet		110	35 - 149	0.9	50	
1,1,2-Trichloroethane	<0.0934		1.87	58.9	M7	mg/kg wet		3150	19 - 157	6	50	
Trichloroethene	<0.0374		1.87	2.17		mg/kg wet		116	27 - 153	2	50	
Trichlorofluoromethane	<0.0374		1.87	1.48		mg/kg wet		79	25 - 137	12	50	
Vinyl chloride	<0.0374		1.87	1.77		mg/kg wet		95	20 - 141	1	50	
Xylenes, total	0.355		5.61	7.07		mg/kg wet		120	25 - 162	0.7	50	

**Matrix Spike Dup    Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	91		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8	140	ZX	70 - 130
4-Bromofluorobenzene	114		70 - 130

**Lab Sample ID: 11K2536-BLK1**

**Matrix: Water**

**Analysis Batch: U020025**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K2536\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<25.0		50.0	25.0	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Benzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Bromoform	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Chloroform	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K2536-BLK1**

**Matrix: Water**

**Analysis Batch: U020025**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K2536\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Styrene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Toluene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		11/13/11 16:47	11/13/11 19:35	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		11/13/11 16:47	11/13/11 19:35	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130	11/13/11 16:47	11/13/11 19:35	1.00
Dibromofluoromethane	100		70 - 130	11/13/11 16:47	11/13/11 19:35	1.00
Toluene-d8	98		70 - 130	11/13/11 16:47	11/13/11 19:35	1.00
4-Bromofluorobenzene	97		70 - 130	11/13/11 16:47	11/13/11 19:35	1.00

**Lab Sample ID: 11K2536-BS1**

**Matrix: Water**

**Analysis Batch: U020025**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K2536\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	286		ug/L		114	54 - 145
Benzene	50.0	49.7		ug/L		99	80 - 121
Bromochloromethane	50.0	48.7		ug/L		97	78 - 129
Bromodichloromethane	50.0	47.8		ug/L		96	75 - 129
Bromoform	50.0	42.2		ug/L		84	46 - 145
Bromomethane	50.0	39.4		ug/L		79	41 - 150
2-Butanone	250	258		ug/L		103	62 - 133
Carbon disulfide	50.0	50.1		ug/L		100	77 - 126
Carbon Tetrachloride	50.0	51.6		ug/L		103	64 - 147
Chlorobenzene	50.0	48.6		ug/L		97	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K2536-BS1**

**Matrix: Water**

**Analysis Batch: U020025**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K2536\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Chlorodibromomethane	50.0	51.0		ug/L		102	69 - 133
Chloroethane	50.0	45.7		ug/L		91	72 - 120
Chloroform	50.0	49.1		ug/L		98	73 - 129
Chloromethane	50.0	25.2		ug/L		50	12 - 150
Cyclohexane	50.0	50.7		ug/L		101	73 - 122
1,2-Dibromo-3-chloropropane	50.0	47.6		ug/L		95	54 - 125
1,2-Dibromoethane (EDB)	50.0	50.5		ug/L		101	80 - 129
Methylcyclohexane	50.0	52.6		ug/L		105	71 - 129
1,2-Dichlorobenzene	50.0	50.9		ug/L		102	80 - 121
1,3-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 122
1,4-Dichlorobenzene	50.0	51.6		ug/L		103	80 - 120
Dichlorodifluoromethane	50.0	41.0		ug/L		82	37 - 127
1,2-Dichloroethane	50.0	47.3		ug/L		95	77 - 121
1,1-Dichloroethane	50.0	48.0		ug/L		96	78 - 125
1,1-Dichloroethene	50.0	55.3		ug/L		111	79 - 124
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	79 - 126
1,1,2-Trifluorotrchloroethane	50.0	55.7		ug/L		111	77 - 129
cis-1,2-Dichloroethene	50.0	48.4		ug/L		97	76 - 125
1,2-Dichloropropane	50.0	45.0		ug/L		90	75 - 120
trans-1,3-Dichloropropene	50.0	48.5		ug/L		97	63 - 134
cis-1,3-Dichloropropene	50.0	50.6		ug/L		101	74 - 140
Ethylbenzene	50.0	49.8		ug/L		100	80 - 130
2-Hexanone	250	258		ug/L		103	60 - 142
Isopropylbenzene	50.0	52.4		ug/L		105	80 - 141
Methyl Acetate	50.0	43.6		ug/L		87	64 - 150
Methyl tert-Butyl Ether	50.0	49.8		ug/L		100	72 - 133
Methylene Chloride	50.0	53.8		ug/L		108	79 - 123
4-Methyl-2-pentanone	250	251		ug/L		101	60 - 137
Styrene	50.0	48.4		ug/L		97	80 - 127
1,1,2,2-Tetrachloroethane	50.0	47.0		ug/L		94	69 - 131
Tetrachloroethene	50.0	51.4		ug/L		103	80 - 126
Toluene	50.0	50.4		ug/L		101	80 - 126
1,2,4-Trichlorobenzene	50.0	51.5		ug/L		103	63 - 133
1,2,3-Trichlorobenzene	50.0	51.8		ug/L		104	62 - 133
1,1,1-Trichloroethane	50.0	52.2		ug/L		104	78 - 135
1,1,2-Trichloroethane	50.0	50.5		ug/L		101	80 - 124
Trichloroethene	50.0	50.7		ug/L		101	80 - 123
Trichlorofluoromethane	50.0	50.0		ug/L		100	65 - 124
Vinyl chloride	50.0	44.6		ug/L		89	68 - 120
Xylenes, total	150	147		ug/L		98	80 - 132

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	96		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	95		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K2536-BSD1**

**Matrix: Water**

**Analysis Batch: U020025**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K2536\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Acetone	250	326		ug/L		131	54 - 145	13	21	
Benzene	50.0	47.6		ug/L		95	80 - 121	4	17	
Bromochloromethane	50.0	46.9		ug/L		94	78 - 129	4	17	
Bromodichloromethane	50.0	46.6		ug/L		93	75 - 129	3	18	
Bromoform	50.0	41.2		ug/L		82	46 - 145	2	16	
Bromomethane	50.0	38.9		ug/L		78	41 - 150	1	50	
2-Butanone	250	266		ug/L		106	62 - 133	3	19	
Carbon disulfide	50.0	47.8		ug/L		96	77 - 126	5	21	
Carbon Tetrachloride	50.0	49.0		ug/L		98	64 - 147	5	19	
Chlorobenzene	50.0	46.9		ug/L		94	80 - 120	3	14	
Chlorodibromomethane	50.0	49.5		ug/L		99	69 - 133	3	15	
Chloroethane	50.0	41.2		ug/L		82	72 - 120	10	20	
Chloroform	50.0	47.2		ug/L		94	73 - 129	4	18	
Chloromethane	50.0	23.3		ug/L		47	12 - 150	8	31	
Cyclohexane	50.0	47.8		ug/L		96	73 - 122	6	16	
1,2-Dibromo-3-chloropropane	50.0	47.8		ug/L		96	54 - 125	0.5	24	
1,2-Dibromoethane (EDB)	50.0	49.1		ug/L		98	80 - 129	3	15	
Methylcyclohexane	50.0	50.8		ug/L		102	71 - 129	4	19	
1,2-Dichlorobenzene	50.0	50.4		ug/L		101	80 - 121	1	15	
1,3-Dichlorobenzene	50.0	49.4		ug/L		99	80 - 122	2	15	
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 120	2	15	
Dichlorodifluoromethane	50.0	39.8		ug/L		80	37 - 127	3	18	
1,2-Dichloroethane	50.0	46.3		ug/L		93	77 - 121	2	17	
1,1-Dichloroethane	50.0	46.2		ug/L		92	78 - 125	4	17	
1,1-Dichloroethene	50.0	52.8		ug/L		106	79 - 124	5	17	
trans-1,2-Dichloroethene	50.0	46.6		ug/L		93	79 - 126	4	16	
1,1,2-Trifluorotrchloroethane	50.0	54.1		ug/L		108	77 - 129	3	18	
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	76 - 125	4	17	
1,2-Dichloropropane	50.0	43.1		ug/L		86	75 - 120	4	17	
trans-1,3-Dichloropropene	50.0	46.6		ug/L		93	63 - 134	4	14	
cis-1,3-Dichloropropene	50.0	48.8		ug/L		98	74 - 140	4	15	
Ethylbenzene	50.0	48.0		ug/L		96	80 - 130	4	15	
2-Hexanone	250	262		ug/L		105	60 - 142	1	15	
Isopropylbenzene	50.0	50.9		ug/L		102	80 - 141	3	16	
Methyl Acetate	50.0	43.2		ug/L		86	64 - 150	0.7	31	
Methyl tert-Butyl Ether	50.0	47.8		ug/L		96	72 - 133	4	16	
Methylene Chloride	50.0	52.0		ug/L		104	79 - 123	3	17	
4-Methyl-2-pentanone	250	245		ug/L		98	60 - 137	2	17	
Styrene	50.0	47.0		ug/L		94	80 - 127	3	24	
1,1,2,2-Tetrachloroethane	50.0	46.1		ug/L		92	69 - 131	2	20	
Tetrachloroethene	50.0	49.7		ug/L		99	80 - 126	3	16	
Toluene	50.0	48.3		ug/L		97	80 - 126	4	15	
1,2,4-Trichlorobenzene	50.0	50.8		ug/L		102	63 - 133	1	19	
1,2,3-Trichlorobenzene	50.0	51.3		ug/L		103	62 - 133	1	25	
1,1,1-Trichloroethane	50.0	49.6		ug/L		99	78 - 135	5	17	
1,1,2-Trichloroethane	50.0	49.4		ug/L		99	80 - 124	2	15	
Trichloroethene	50.0	49.3		ug/L		99	80 - 123	3	17	
Trichlorofluoromethane	50.0	48.4		ug/L		97	65 - 124	3	18	
Vinyl chloride	50.0	42.2		ug/L		84	68 - 120	5	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K2536-BSD1**

**Matrix: Water**

**Analysis Batch: U020025**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K2536\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	150	142		ug/L		94	80 - 132	4	15

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
1,2-Dichloroethane-d4	94		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	94		70 - 130

**Lab Sample ID: 11K2536-MS1**

**Matrix: Water**

**Analysis Batch: U020025**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K2536\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<250		2500	2650		ug/L		106	45 - 141
Benzene	37.9		500	546		ug/L		102	75 - 133
Bromochloromethane	<5.00		500	509		ug/L		102	67 - 139
Bromodichloromethane	<5.00		500	498		ug/L		100	70 - 140
Bromoform	<5.00		500	438		ug/L		88	42 - 147
Bromomethane	<5.00		500	279		ug/L		56	16 - 163
2-Butanone	<250		2500	2410		ug/L		97	50 - 138
Carbon disulfide	<5.00		500	508		ug/L		102	48 - 152
Carbon Tetrachloride	<5.00		500	549		ug/L		110	62 - 164
Chlorobenzene	<5.00		500	502		ug/L		100	80 - 129
Chlorodibromomethane	<5.00		500	519		ug/L		104	66 - 140
Chloroethane	<5.00		500	453		ug/L		91	58 - 137
Chloroform	<5.00		500	515		ug/L		103	66 - 138
Chloromethane	<5.00		500	198		ug/L		40	10 - 169
Cyclohexane	43.0		500	538		ug/L		99	58 - 144
1,2-Dibromo-3-chloropropane	<50.0		500	477		ug/L		95	52 - 126
1,2-Dibromoethane (EDB)	<5.00		500	509		ug/L		102	75 - 137
Methylcyclohexane	<25.0		500	534		ug/L		107	59 - 151
1,2-Dichlorobenzene	<5.00		500	530		ug/L		106	79 - 128
1,3-Dichlorobenzene	<5.00		500	528		ug/L		106	77 - 131
1,4-Dichlorobenzene	<5.00		500	532		ug/L		106	78 - 126
Dichlorodifluoromethane	<6.00		500	390		ug/L		78	40 - 127
1,2-Dichloroethane	<5.00		500	498		ug/L		100	64 - 136
1,1-Dichloroethane	<5.00		500	496		ug/L		99	71 - 139
1,1-Dichloroethene	<5.00		500	567		ug/L		113	70 - 142
trans-1,2-Dichloroethene	<5.00		500	495		ug/L		99	66 - 143
1,1,2-Trifluoro-trichloroethane	<5.00		500	562		ug/L		112	72 - 148
cis-1,2-Dichloroethene	<5.00		500	497		ug/L		99	68 - 138
1,2-Dichloropropane	<5.00		500	450		ug/L		90	67 - 131
trans-1,3-Dichloropropene	<5.00		500	464		ug/L		93	59 - 135
cis-1,3-Dichloropropene	<5.00		500	494		ug/L		99	71 - 141
Ethylbenzene	14.3		500	528		ug/L		103	79 - 139
2-Hexanone	<50.0		2500	2400		ug/L		96	50 - 150
Isopropylbenzene	9.00		500	566		ug/L		112	80 - 153
Methyl Acetate	<50.0		500	414		ug/L		83	30 - 165
Methyl tert-Butyl Ether	106		500	582		ug/L		95	66 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K2536-MS1**

**Matrix: Water**

**Analysis Batch: U020025**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K2536\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
Methylene Chloride	<25.0		500	556		ug/L		111	64 - 139	
4-Methyl-2-pentanone	<50.0		2500	2360		ug/L		94	50 - 147	
Styrene	<5.00		500	494		ug/L		99	61 - 148	
1,1,2,2-Tetrachloroethane	<5.00		500	480		ug/L		96	56 - 143	
Tetrachloroethene	<5.00		500	538		ug/L		108	72 - 145	
Toluene	<5.00		500	520		ug/L		104	75 - 136	
1,2,4-Trichlorobenzene	<5.00		500	523		ug/L		105	60 - 136	
1,2,3-Trichlorobenzene	<5.00		500	518		ug/L		104	55 - 138	
1,1,1-Trichloroethane	<5.00		500	548		ug/L		110	76 - 149	
1,1,2-Trichloroethane	<5.00		500	509		ug/L		102	74 - 134	
Trichloroethene	<5.00		500	525		ug/L		105	73 - 144	
Trichlorofluoromethane	<5.00		500	532		ug/L		106	58 - 139	
Vinyl chloride	<5.00		500	453		ug/L		91	56 - 129	
Xylenes, total	45.4		1500	1560		ug/L		101	74 - 141	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
1,2-Dichloroethane-d4	95		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	96		70 - 130

**Lab Sample ID: 11K2536-MSD1**

**Matrix: Water**

**Analysis Batch: U020025**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K2536\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Acetone	<250		2500	2570		ug/L		103	45 - 141	3	21	
Benzene	37.9		500	535		ug/L		99	75 - 133	2	17	
Bromochloromethane	<5.00		500	501		ug/L		100	67 - 139	2	17	
Bromodichloromethane	<5.00		500	484		ug/L		97	70 - 140	3	18	
Bromoform	<5.00		500	428		ug/L		86	42 - 147	2	16	
Bromomethane	<5.00		500	338		ug/L		68	16 - 163	19	50	
2-Butanone	<250		2500	2320		ug/L		93	50 - 138	4	19	
Carbon disulfide	<5.00		500	506		ug/L		101	48 - 152	0.5	21	
Carbon Tetrachloride	<5.00		500	541		ug/L		108	62 - 164	1	19	
Chlorobenzene	<5.00		500	494		ug/L		99	80 - 129	2	14	
Chlorodibromomethane	<5.00		500	506		ug/L		101	66 - 140	2	15	
Chloroethane	<5.00		500	456		ug/L		91	58 - 137	0.5	20	
Chloroform	<5.00		500	505		ug/L		101	66 - 138	2	18	
Chloromethane	<5.00		500	199		ug/L		40	10 - 169	0.2	31	
Cyclohexane	43.0		500	546		ug/L		101	58 - 144	1	16	
1,2-Dibromo-3-chloropropane	<50.0		500	457		ug/L		91	52 - 126	4	24	
1,2-Dibromoethane (EDB)	<5.00		500	495		ug/L		99	75 - 137	3	15	
Methylcyclohexane	<25.0		500	538		ug/L		108	59 - 151	0.7	19	
1,2-Dichlorobenzene	<5.00		500	502		ug/L		100	79 - 128	5	15	
1,3-Dichlorobenzene	<5.00		500	497		ug/L		99	77 - 131	6	15	
1,4-Dichlorobenzene	<5.00		500	501		ug/L		100	78 - 126	6	15	
Dichlorodifluoromethane	<6.00		500	398		ug/L		80	40 - 127	2	18	
1,2-Dichloroethane	<5.00		500	483		ug/L		97	64 - 136	3	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K2536-MSD1**

**Matrix: Water**

**Analysis Batch: U020025**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K2536\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
1,1-Dichloroethane	<5.00		500	487		ug/L		97	71 - 139	2	17	
1,1-Dichloroethene	<5.00		500	552		ug/L		110	70 - 142	3	17	
trans-1,2-Dichloroethene	<5.00		500	492		ug/L		98	66 - 143	0.6	16	
1,1,2-Trifluorotrchloroethane	<5.00		500	570		ug/L		114	72 - 148	1	18	
cis-1,2-Dichloroethene	<5.00		500	486		ug/L		97	68 - 138	2	17	
1,2-Dichloropropane	<5.00		500	441		ug/L		88	67 - 131	2	17	
trans-1,3-Dichloropropene	<5.00		500	458		ug/L		92	59 - 135	1	14	
cis-1,3-Dichloropropene	<5.00		500	485		ug/L		97	71 - 141	2	15	
Ethylbenzene	14.3		500	519		ug/L		101	79 - 139	2	15	
2-Hexanone	<50.0		2500	2330		ug/L		93	50 - 150	3	15	
Isopropylbenzene	9.00		500	560		ug/L		110	80 - 153	1	16	
Methyl Acetate	<50.0		500	402		ug/L		80	30 - 165	3	31	
Methyl tert-Butyl Ether	106		500	577		ug/L		94	66 - 141	0.9	16	
Methylene Chloride	<25.0		500	543		ug/L		109	64 - 139	2	17	
4-Methyl-2-pentanone	<50.0		2500	2310		ug/L		92	50 - 147	2	17	
Styrene	<5.00		500	490		ug/L		98	61 - 148	0.9	24	
1,1,2,2-Tetrachloroethane	<5.00		500	456		ug/L		91	56 - 143	5	20	
Tetrachloroethene	<5.00		500	535		ug/L		107	72 - 145	0.6	16	
Toluene	<5.00		500	512		ug/L		102	75 - 136	2	15	
1,2,4-Trichlorobenzene	<5.00		500	496		ug/L		99	60 - 136	5	19	
1,2,3-Trichlorobenzene	<5.00		500	505		ug/L		101	55 - 138	3	25	
1,1,1-Trichloroethane	<5.00		500	538		ug/L		108	76 - 149	2	17	
1,1,2-Trichloroethane	<5.00		500	497		ug/L		99	74 - 134	2	15	
Trichloroethene	<5.00		500	522		ug/L		104	73 - 144	0.7	17	
Trichlorofluoromethane	<5.00		500	532		ug/L		106	58 - 139	0.04	18	
Vinyl chloride	<5.00		500	457		ug/L		91	56 - 129	0.7	17	
Xylenes, total	45.4		1500	1540		ug/L		100	74 - 141	1	15	

**Matrix Spike Dup    Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	96		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	94		70 - 130

**Lab Sample ID: 11K3124-BLK1**

**Matrix: Water**

**Analysis Batch: U020115**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3124\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<25.0		50.0	25.0	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Benzene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Bromoform	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K3124-BLK1

Matrix: Water

Analysis Batch: U020115

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11K3124\_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Chloroform	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,1,2-Trifluoroethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Styrene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Toluene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		11/14/11 04:53	11/14/11 07:41	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		11/14/11 04:53	11/14/11 07:41	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		70 - 130	11/14/11 04:53	11/14/11 07:41	1.00
Dibromofluoromethane	102		70 - 130	11/14/11 04:53	11/14/11 07:41	1.00
Toluene-d8	98		70 - 130	11/14/11 04:53	11/14/11 07:41	1.00
4-Bromofluorobenzene	96		70 - 130	11/14/11 04:53	11/14/11 07:41	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3124-BS1**

**Matrix: Water**

**Analysis Batch: U020115**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3124\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits %Rec.
Acetone	250	314		ug/L		126	54 - 145
Benzene	50.0	50.0		ug/L		100	80 - 121
Bromochloromethane	50.0	50.2		ug/L		100	78 - 129
Bromodichloromethane	50.0	48.6		ug/L		97	75 - 129
Bromoform	50.0	43.6		ug/L		87	46 - 145
Bromomethane	50.0	38.9		ug/L		78	41 - 150
2-Butanone	250	256		ug/L		102	62 - 133
Carbon disulfide	50.0	50.0		ug/L		100	77 - 126
Carbon Tetrachloride	50.0	54.2		ug/L		108	64 - 147
Chlorobenzene	50.0	49.2		ug/L		98	80 - 120
Chlorodibromomethane	50.0	51.1		ug/L		102	69 - 133
Chloroethane	50.0	45.5		ug/L		91	72 - 120
Chloroform	50.0	50.4		ug/L		101	73 - 129
Chloromethane	50.0	22.4		ug/L		45	12 - 150
Cyclohexane	50.0	49.6		ug/L		99	73 - 122
1,2-Dibromo-3-chloropropane	50.0	44.9		ug/L		90	54 - 125
1,2-Dibromoethane (EDB)	50.0	50.2		ug/L		100	80 - 129
Methylcyclohexane	50.0	51.3		ug/L		103	71 - 129
1,2-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 121
1,3-Dichlorobenzene	50.0	51.2		ug/L		102	80 - 122
1,4-Dichlorobenzene	50.0	51.8		ug/L		104	80 - 120
Dichlorodifluoromethane	50.0	42.7		ug/L		85	37 - 127
1,2-Dichloroethane	50.0	49.0		ug/L		98	77 - 121
1,1-Dichloroethane	50.0	47.8		ug/L		96	78 - 125
1,1-Dichloroethene	50.0	55.7		ug/L		111	79 - 124
trans-1,2-Dichloroethene	50.0	49.7		ug/L		99	79 - 126
1,1,2-Trifluorotrchloroethane	50.0	57.3		ug/L		115	77 - 129
cis-1,2-Dichloroethene	50.0	48.2		ug/L		96	76 - 125
1,2-Dichloropropane	50.0	44.5		ug/L		89	75 - 120
trans-1,3-Dichloropropene	50.0	45.5		ug/L		91	63 - 134
cis-1,3-Dichloropropene	50.0	48.0		ug/L		96	74 - 140
Ethylbenzene	50.0	50.1		ug/L		100	80 - 130
2-Hexanone	250	245		ug/L		98	60 - 142
Isopropylbenzene	50.0	54.1		ug/L		108	80 - 141
Methyl Acetate	50.0	43.2		ug/L		86	64 - 150
Methyl tert-Butyl Ether	50.0	46.4		ug/L		93	72 - 133
Methylene Chloride	50.0	54.4		ug/L		109	79 - 123
4-Methyl-2-pentanone	250	231		ug/L		92	60 - 137
Styrene	50.0	49.6		ug/L		99	80 - 127
1,1,1,2-Tetrachloroethane	50.0	47.2		ug/L		94	69 - 131
Tetrachloroethene	50.0	53.2		ug/L		106	80 - 126
Toluene	50.0	50.8		ug/L		102	80 - 126
1,2,4-Trichlorobenzene	50.0	49.8		ug/L		100	63 - 133
1,2,3-Trichlorobenzene	50.0	51.3		ug/L		103	62 - 133
1,1,1-Trichloroethane	50.0	54.1		ug/L		108	78 - 135
1,1,2-Trichloroethane	50.0	49.9		ug/L		100	80 - 124
Trichloroethene	50.0	52.8		ug/L		106	80 - 123
Trichlorofluoromethane	50.0	54.7		ug/L		109	65 - 124
Vinyl chloride	50.0	47.1		ug/L		94	68 - 120



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3124-BS1**

**Matrix: Water**

**Analysis Batch: U020115**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3124\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, total	150	150		ug/L		100	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	98		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	96		70 - 130

**Lab Sample ID: 11K3124-BSD1**

**Matrix: Water**

**Analysis Batch: U020115**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3124\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	276		ug/L		110	54 - 145	13	21
Benzene	50.0	49.4		ug/L		99	80 - 121	1	17
Bromochloromethane	50.0	49.1		ug/L		98	78 - 129	2	17
Bromodichloromethane	50.0	48.6		ug/L		97	75 - 129	0.1	18
Bromoform	50.0	43.5		ug/L		87	46 - 145	0.2	16
Bromomethane	50.0	36.6		ug/L		73	41 - 150	6	50
2-Butanone	250	242		ug/L		97	62 - 133	6	19
Carbon disulfide	50.0	49.2		ug/L		98	77 - 126	2	21
Carbon Tetrachloride	50.0	53.2		ug/L		106	64 - 147	2	19
Chlorobenzene	50.0	48.8		ug/L		98	80 - 120	0.7	14
Chlorodibromomethane	50.0	50.5		ug/L		101	69 - 133	1	15
Chloroethane	50.0	45.0		ug/L		90	72 - 120	1	20
Chloroform	50.0	49.8		ug/L		100	73 - 129	1	18
Chloromethane	50.0	21.3		ug/L		43	12 - 150	5	31
Cyclohexane	50.0	49.0		ug/L		98	73 - 122	1	16
1,2-Dibromo-3-chloropropane	50.0	45.4		ug/L		91	54 - 125	1	24
1,2-Dibromoethane (EDB)	50.0	49.6		ug/L		99	80 - 129	1	15
Methylcyclohexane	50.0	50.6		ug/L		101	71 - 129	1	19
1,2-Dichlorobenzene	50.0	50.3		ug/L		101	80 - 121	2	15
1,3-Dichlorobenzene	50.0	49.8		ug/L		100	80 - 122	3	15
1,4-Dichlorobenzene	50.0	50.6		ug/L		101	80 - 120	2	15
Dichlorodifluoromethane	50.0	41.6		ug/L		83	37 - 127	3	18
1,2-Dichloroethane	50.0	48.3		ug/L		97	77 - 121	2	17
1,1-Dichloroethane	50.0	47.3		ug/L		95	78 - 125	1	17
1,1-Dichloroethene	50.0	55.6		ug/L		111	79 - 124	0.1	17
trans-1,2-Dichloroethene	50.0	48.4		ug/L		97	79 - 126	3	16
1,1,2-Trifluoro-trichloroethane	50.0	55.8		ug/L		112	77 - 129	3	18
cis-1,2-Dichloroethene	50.0	47.4		ug/L		95	76 - 125	2	17
1,2-Dichloropropane	50.0	44.0		ug/L		88	75 - 120	1	17
trans-1,3-Dichloropropene	50.0	44.7		ug/L		89	63 - 134	2	14
cis-1,3-Dichloropropene	50.0	47.2		ug/L		94	74 - 140	2	15
Ethylbenzene	50.0	49.6		ug/L		99	80 - 130	1	15
2-Hexanone	250	233		ug/L		93	60 - 142	5	15
Isopropylbenzene	50.0	53.4		ug/L		107	80 - 141	1	16
Methyl Acetate	50.0	43.1		ug/L		86	64 - 150	0.3	31
Methyl tert-Butyl Ether	50.0	46.7		ug/L		93	72 - 133	0.8	16

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3124-BSD1**

**Matrix: Water**

**Analysis Batch: U020115**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3124\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Methylene Chloride	50.0	53.7		ug/L		107	79 - 123	1	17	
4-Methyl-2-pentanone	250	229		ug/L		92	60 - 137	0.6	17	
Styrene	50.0	49.1		ug/L		98	80 - 127	1	24	
1,1,1,2-Tetrachloroethane	50.0	45.9		ug/L		92	69 - 131	3	20	
Tetrachloroethene	50.0	51.5		ug/L		103	80 - 126	3	16	
Toluene	50.0	50.2		ug/L		100	80 - 126	1	15	
1,2,4-Trichlorobenzene	50.0	48.8		ug/L		98	63 - 133	2	19	
1,2,3-Trichlorobenzene	50.0	50.6		ug/L		101	62 - 133	1	25	
1,1,1-Trichloroethane	50.0	53.1		ug/L		106	78 - 135	2	17	
1,1,2-Trichloroethane	50.0	49.7		ug/L		99	80 - 124	0.4	15	
Trichloroethene	50.0	51.4		ug/L		103	80 - 123	3	17	
Trichlorofluoromethane	50.0	53.5		ug/L		107	65 - 124	2	18	
Vinyl chloride	50.0	45.1		ug/L		90	68 - 120	4	17	
Xylenes, total	150	148		ug/L		99	80 - 132	1	15	

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
1,2-Dichloroethane-d4	96		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	95		70 - 130

**Lab Sample ID: 11K3124-MS1**

**Matrix: Water**

**Analysis Batch: U020115**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3124\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	<2500		25000	27500		ug/L		110	45 - 141	
Benzene	3940		5000	8800		ug/L		97	75 - 133	
Bromochloromethane	<50.0		5000	5120		ug/L		102	67 - 139	
Bromodichloromethane	<50.0		5000	5030		ug/L		101	70 - 140	
Bromoform	<50.0		5000	4380		ug/L		88	42 - 147	
Bromomethane	<50.0		5000	2660		ug/L		53	16 - 163	
2-Butanone	<2500		25000	25300		ug/L		101	50 - 138	
Carbon disulfide	<50.0		5000	4880		ug/L		98	48 - 152	
Carbon Tetrachloride	<50.0		5000	5440		ug/L		109	62 - 164	
Chlorobenzene	<50.0		5000	5060		ug/L		101	80 - 129	
Chlorodibromomethane	<50.0		5000	5400		ug/L		108	66 - 140	
Chloroethane	<50.0		5000	4530		ug/L		91	58 - 137	
Chloroform	<50.0		5000	5170		ug/L		103	66 - 138	
Chloromethane	<50.0		5000	1640		ug/L		33	10 - 169	
Cyclohexane	<250		5000	5080		ug/L		102	58 - 144	
1,2-Dibromo-3-chloropropane	<500		5000	4970		ug/L		99	52 - 126	
1,2-Dibromoethane (EDB)	<50.0		5000	5290		ug/L		106	75 - 137	
Methylcyclohexane	<250		5000	5000		ug/L		100	59 - 151	
1,2-Dichlorobenzene	<50.0		5000	5350		ug/L		107	79 - 128	
1,3-Dichlorobenzene	<50.0		5000	5270		ug/L		105	77 - 131	
1,4-Dichlorobenzene	<50.0		5000	5290		ug/L		106	78 - 126	
Dichlorodifluoromethane	<60.0		5000	3700		ug/L		74	40 - 127	
1,2-Dichloroethane	<50.0		5000	5100		ug/L		102	64 - 136	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3124-MS1**

**Matrix: Water**

**Analysis Batch: U020115**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3124\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,1-Dichloroethane	<50.0		5000	4800		ug/L		96	71 - 139	
1,1-Dichloroethene	<50.0		5000	5570		ug/L		111	70 - 142	
trans-1,2-Dichloroethene	<50.0		5000	4850		ug/L		97	66 - 143	
1,1,2-Trifluorotrchloroethane	<50.0		5000	5310		ug/L		106	72 - 148	
cis-1,2-Dichloroethene	<50.0		5000	4880		ug/L		98	68 - 138	
1,2-Dichloropropane	<50.0		5000	4610		ug/L		92	67 - 131	
trans-1,3-Dichloropropene	<50.0		5000	4740		ug/L		95	59 - 135	
cis-1,3-Dichloropropene	<50.0		5000	4940		ug/L		99	71 - 141	
Ethylbenzene	1970		5000	6940		ug/L		99	79 - 139	
2-Hexanone	<500		25000	25600		ug/L		102	50 - 150	
Isopropylbenzene	56.0		5000	5440		ug/L		108	80 - 153	
Methyl Acetate	<500		5000	4530		ug/L		91	30 - 165	
Methyl tert-Butyl Ether	<50.0		5000	5060		ug/L		101	66 - 141	
Methylene Chloride	<250		5000	5630		ug/L		113	64 - 139	
4-Methyl-2-pentanone	<500		25000	25400		ug/L		102	50 - 147	
Styrene	<50.0		5000	5010		ug/L		100	61 - 148	
1,1,2,2-Tetrachloroethane	<50.0		5000	4810		ug/L		96	56 - 143	
Tetrachloroethene	<50.0		5000	5340		ug/L		107	72 - 145	
Toluene	2640		5000	7640		ug/L		100	75 - 136	
1,2,4-Trichlorobenzene	<50.0		5000	5140		ug/L		103	60 - 136	
1,2,3-Trichlorobenzene	<50.0		5000	5150		ug/L		103	55 - 138	
1,1,1-Trichloroethane	<50.0		5000	5460		ug/L		109	76 - 149	
1,1,2-Trichloroethane	<50.0		5000	5350		ug/L		107	74 - 134	
Trichloroethene	<50.0		5000	5310		ug/L		106	73 - 144	
Trichlorofluoromethane	<50.0		5000	5280		ug/L		106	58 - 139	
Vinyl chloride	<50.0		5000	4400		ug/L		88	56 - 129	
Xylenes, total	5920		15000	20400		ug/L		97	74 - 141	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	96		70 - 130
Dibromofluoromethane	100		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	93		70 - 130

**Lab Sample ID: 11K3124-MSD1**

**Matrix: Water**

**Analysis Batch: U020115**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3124\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	<2500		25000	25500		ug/L		102	45 - 141	7	21	
Benzene	3940		5000	8420		ug/L		89	75 - 133	4	17	
Bromochloromethane	<50.0		5000	4760		ug/L		95	67 - 139	7	17	
Bromodichloromethane	<50.0		5000	4700		ug/L		94	70 - 140	7	18	
Bromoform	<50.0		5000	4080		ug/L		82	42 - 147	7	16	
Bromomethane	<50.0		5000	3070		ug/L		61	16 - 163	15	50	
2-Butanone	<2500		25000	22900		ug/L		92	50 - 138	10	19	
Carbon disulfide	<50.0		5000	4650		ug/L		93	48 - 152	5	21	
Carbon Tetrachloride	<50.0		5000	5160		ug/L		103	62 - 164	5	19	
Chlorobenzene	<50.0		5000	4740		ug/L		95	80 - 129	7	14	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K3124-MSD1

Matrix: Water

Analysis Batch: U020115

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11K3124\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier			Unit	Limits	RPD	Limit
Chlorodibromomethane	<50.0		5000	4920		ug/L	98	66 - 140	9	15	
Chloroethane	<50.0		5000	4270		ug/L	85	58 - 137	6	20	
Chloroform	<50.0		5000	4870		ug/L	97	66 - 138	6	18	
Chloromethane	<50.0		5000	1510		ug/L	30	10 - 169	9	31	
Cyclohexane	<250		5000	4980		ug/L	100	58 - 144	2	16	
1,2-Dibromo-3-chloropropane	<500		5000	4540		ug/L	91	52 - 126	9	24	
1,2-Dibromoethane (EDB)	<50.0		5000	4900		ug/L	98	75 - 137	8	15	
Methylcyclohexane	<250		5000	4960		ug/L	99	59 - 151	0.8	19	
1,2-Dichlorobenzene	<50.0		5000	4990		ug/L	100	79 - 128	7	15	
1,3-Dichlorobenzene	<50.0		5000	4890		ug/L	98	77 - 131	8	15	
1,4-Dichlorobenzene	<50.0		5000	4920		ug/L	98	78 - 126	7	15	
Dichlorodifluoromethane	<60.0		5000	3780		ug/L	76	40 - 127	2	18	
1,2-Dichloroethane	<50.0		5000	4790		ug/L	96	64 - 136	6	17	
1,1-Dichloroethane	<50.0		5000	4570		ug/L	91	71 - 139	5	17	
1,1-Dichloroethene	<50.0		5000	5340		ug/L	107	70 - 142	4	17	
trans-1,2-Dichloroethene	<50.0		5000	4650		ug/L	93	66 - 143	4	16	
1,1,2-Trifluorotrchloroethane	<50.0		5000	5400		ug/L	108	72 - 148	2	18	
cis-1,2-Dichloroethene	<50.0		5000	4640		ug/L	93	68 - 138	5	17	
1,2-Dichloropropane	<50.0		5000	4330		ug/L	87	67 - 131	6	17	
trans-1,3-Dichloropropene	<50.0		5000	4390		ug/L	88	59 - 135	8	14	
cis-1,3-Dichloropropene	<50.0		5000	4620		ug/L	92	71 - 141	7	15	
Ethylbenzene	1970		5000	6640		ug/L	94	79 - 139	4	15	
2-Hexanone	<500		25000	23500		ug/L	94	50 - 150	8	15	
Isopropylbenzene	56.0		5000	5140		ug/L	102	80 - 153	6	16	
Methyl Acetate	<500		5000	4160		ug/L	83	30 - 165	8	31	
Methyl tert-Butyl Ether	<50.0		5000	4750		ug/L	95	66 - 141	6	16	
Methylene Chloride	<250		5000	5280		ug/L	106	64 - 139	6	17	
4-Methyl-2-pentanone	<500		25000	23200		ug/L	93	50 - 147	9	17	
Styrene	<50.0		5000	4700		ug/L	94	61 - 148	6	24	
1,1,1,2-Tetrachloroethane	<50.0		5000	4450		ug/L	89	56 - 143	8	20	
Tetrachloroethene	<50.0		5000	4970		ug/L	99	72 - 145	7	16	
Toluene	2640		5000	7290		ug/L	93	75 - 136	5	15	
1,2,4-Trichlorobenzene	<50.0		5000	4840		ug/L	97	60 - 136	6	19	
1,2,3-Trichlorobenzene	<50.0		5000	4950		ug/L	99	55 - 138	4	25	
1,1,1-Trichloroethane	<50.0		5000	5200		ug/L	104	76 - 149	5	17	
1,1,2-Trichloroethane	<50.0		5000	4960		ug/L	99	74 - 134	8	15	
Trichloroethene	<50.0		5000	5040		ug/L	101	73 - 144	5	17	
Trichlorofluoromethane	<50.0		5000	5000		ug/L	100	58 - 139	5	18	
Vinyl chloride	<50.0		5000	4240		ug/L	85	56 - 129	4	17	
Xylenes, total	5920		15000	19300		ug/L	90	74 - 141	5	15	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	98		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	92		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3289-BLK1**

**Matrix: Soil**

**Analysis Batch: U020186**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3289\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,1,2-Trifluorotrchloroethane	<0.00110		0.00200	0.00110	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3289-BLK1**

**Matrix: Soil**

**Analysis Batch: U020186**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3289\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		11/14/11 10:55	11/14/11 13:20	1.00
Surrogate	%Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	103		70 - 130				11/14/11 10:55	11/14/11 13:20	1.00
Dibromofluoromethane	99		70 - 130				11/14/11 10:55	11/14/11 13:20	1.00
Toluene-d8	99		70 - 130				11/14/11 10:55	11/14/11 13:20	1.00
4-Bromofluorobenzene	106		70 - 130				11/14/11 10:55	11/14/11 13:20	1.00

**Lab Sample ID: 11K3289-BLK2**

**Matrix: Soil**

**Analysis Batch: U020186**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3289\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,1,2-Trifluoro-trichloroethane	<0.0550		0.100	0.0550	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Methyl Acetate	<0.250		0.500	0.250	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3289-BLK2**

**Matrix: Soil**

**Analysis Batch: U020186**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3289\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		11/14/11 10:55	11/14/11 13:48	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		70 - 130	11/14/11 10:55	11/14/11 13:48	50.0
Dibromofluoromethane	98		70 - 130	11/14/11 10:55	11/14/11 13:48	50.0
Toluene-d8	99		70 - 130	11/14/11 10:55	11/14/11 13:48	50.0
4-Bromofluorobenzene	105		70 - 130	11/14/11 10:55	11/14/11 13:48	50.0

**Lab Sample ID: 11K3289-BS1**

**Matrix: Soil**

**Analysis Batch: U020186**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3289\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	250	258		ug/kg		103	51 - 149
Benzene	50.0	51.4		ug/kg		103	75 - 127
Bromochloromethane	50.0	50.5		ug/kg		101	70 - 132
Bromodichloromethane	50.0	53.1		ug/kg		106	68 - 135
Bromoform	50.0	57.4		ug/kg		115	36 - 150
Bromomethane	50.0	49.4		ug/kg		99	43 - 142
2-Butanone	250	261		ug/kg		104	61 - 132
Carbon disulfide	50.0	54.6		ug/kg		109	74 - 135
Carbon Tetrachloride	50.0	52.7		ug/kg		105	70 - 141
Chlorobenzene	50.0	51.2		ug/kg		102	84 - 125
Chlorodibromomethane	50.0	56.5		ug/kg		113	66 - 134
Chloroethane	50.0	53.2		ug/kg		106	53 - 144
Chloroform	50.0	49.2		ug/kg		98	76 - 130
Chloromethane	50.0	49.2		ug/kg		98	23 - 150
Cyclohexane	50.0	53.5		ug/kg		107	70 - 133
1,2-Dibromo-3-chloropropane	50.0	55.1		ug/kg		110	49 - 142
1,2-Dibromoethane (EDB)	50.0	51.2		ug/kg		102	80 - 135
Methylcyclohexane	50.0	52.5		ug/kg		105	69 - 140
1,2-Dichlorobenzene	50.0	52.7		ug/kg		105	80 - 134
1,3-Dichlorobenzene	50.0	53.4		ug/kg		107	79 - 137
1,4-Dichlorobenzene	50.0	53.7		ug/kg		107	77 - 139
Dichlorodifluoromethane	50.0	51.1		ug/kg		102	12 - 144
1,2-Dichloroethane	50.0	50.7		ug/kg		101	65 - 134

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3289-BS1**

**Matrix: Soil**

**Analysis Batch: U020186**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3289\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
1,1-Dichloroethane	50.0	53.0		ug/kg		106	75 - 124	
1,1-Dichloroethene	50.0	51.4		ug/kg		103	75 - 131	
trans-1,2-Dichloroethene	50.0	53.5		ug/kg		107	76 - 128	
1,1,2-Trifluorotrchloroethane	50.0	52.8		ug/kg		106	67 - 136	
cis-1,2-Dichloroethene	50.0	53.4		ug/kg		107	75 - 125	
1,2-Dichloropropane	50.0	49.6		ug/kg		99	69 - 120	
trans-1,3-Dichloropropene	50.0	56.4		ug/kg		113	62 - 139	
cis-1,3-Dichloropropene	50.0	57.1		ug/kg		114	73 - 148	
Ethylbenzene	50.0	52.4		ug/kg		105	80 - 134	
2-Hexanone	250	272		ug/kg		109	57 - 148	
Isopropylbenzene	50.0	57.6		ug/kg		115	80 - 150	
Methyl Acetate	50.0	45.8		ug/kg		92	11 - 170	
Methyl tert-Butyl Ether	50.0	55.8		ug/kg		112	70 - 136	
Methylene Chloride	50.0	54.6		ug/kg		109	68 - 144	
4-Methyl-2-pentanone	250	269		ug/kg		108	59 - 138	
Styrene	50.0	53.9		ug/kg		108	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	54.0		ug/kg		108	66 - 134	
Tetrachloroethene	50.0	49.5		ug/kg		99	78 - 140	
Toluene	50.0	50.9		ug/kg		102	80 - 132	
1,2,4-Trichlorobenzene	50.0	56.5		ug/kg		113	62 - 150	
1,2,3-Trichlorobenzene	50.0	56.7		ug/kg		113	70 - 150	
1,1,1-Trichloroethane	50.0	53.0		ug/kg		106	72 - 140	
1,1,2-Trichloroethane	50.0	46.9		ug/kg		94	78 - 128	
Trichloroethene	50.0	50.6		ug/kg		101	77 - 127	
Trichlorofluoromethane	50.0	52.3		ug/kg		105	50 - 140	
Vinyl chloride	50.0	52.3		ug/kg		105	47 - 136	
Xylenes, total	150	157		ug/kg		104	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	100		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	100		70 - 130
4-Bromofluorobenzene	107		70 - 130

**Lab Sample ID: 11K3289-BSD1**

**Matrix: Soil**

**Analysis Batch: U020186**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3289\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits			
Acetone	250	234		ug/kg		94	51 - 149	10	50	
Benzene	50.0	50.0		ug/kg		100	75 - 127	3	50	
Bromochloromethane	50.0	48.1		ug/kg		96	70 - 132	5	50	
Bromodichloromethane	50.0	50.8		ug/kg		102	68 - 135	4	50	
Bromoform	50.0	57.7		ug/kg		115	36 - 150	0.7	50	
Bromomethane	50.0	49.1		ug/kg		98	43 - 142	0.5	50	
2-Butanone	250	239		ug/kg		96	61 - 132	9	50	
Carbon disulfide	50.0	52.2		ug/kg		104	74 - 135	5	50	
Carbon Tetrachloride	50.0	51.0		ug/kg		102	70 - 141	3	50	
Chlorobenzene	50.0	52.0		ug/kg		104	84 - 125	2	50	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3289-BSD1**

**Matrix: Soil**

**Analysis Batch: U020186**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3289\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	Limit
Chlorodibromomethane	50.0	58.7		ug/kg		117	66 - 134	4	50	
Chloroethane	50.0	51.7		ug/kg		103	53 - 144	3	50	
Chloroform	50.0	46.6		ug/kg		93	76 - 130	5	49	
Chloromethane	50.0	47.6		ug/kg		95	23 - 150	3	50	
Cyclohexane	50.0	52.4		ug/kg		105	70 - 133	2	50	
1,2-Dibromo-3-chloropropane	50.0	50.9		ug/kg		102	49 - 142	8	50	
1,2-Dibromoethane (EDB)	50.0	54.0		ug/kg		108	80 - 135	5	50	
Methylcyclohexane	50.0	50.8		ug/kg		102	69 - 140	3	50	
1,2-Dichlorobenzene	50.0	52.0		ug/kg		104	80 - 134	1	50	
1,3-Dichlorobenzene	50.0	52.9		ug/kg		106	79 - 137	1	50	
1,4-Dichlorobenzene	50.0	52.4		ug/kg		105	77 - 139	2	50	
Dichlorodifluoromethane	50.0	49.1		ug/kg		98	12 - 144	4	50	
1,2-Dichloroethane	50.0	49.2		ug/kg		98	65 - 134	3	50	
1,1-Dichloroethane	50.0	50.8		ug/kg		102	75 - 124	4	50	
1,1-Dichloroethene	50.0	50.1		ug/kg		100	75 - 131	3	50	
trans-1,2-Dichloroethene	50.0	51.5		ug/kg		103	76 - 128	4	50	
1,1,1-Trifluorotrchloroethane	50.0	50.9		ug/kg		102	67 - 136	4	50	
cis-1,2-Dichloroethene	50.0	51.4		ug/kg		103	75 - 125	4	50	
1,2-Dichloropropane	50.0	47.8		ug/kg		96	69 - 120	4	50	
trans-1,3-Dichloropropene	50.0	58.7		ug/kg		117	62 - 139	4	50	
cis-1,3-Dichloropropene	50.0	59.2		ug/kg		118	73 - 148	4	50	
Ethylbenzene	50.0	54.0		ug/kg		108	80 - 134	3	50	
2-Hexanone	250	273		ug/kg		109	57 - 148	0.2	50	
Isopropylbenzene	50.0	60.6		ug/kg		121	80 - 150	5	50	
Methyl Acetate	50.0	39.4		ug/kg		79	11 - 170	15	50	
Methyl tert-Butyl Ether	50.0	52.7		ug/kg		105	70 - 136	6	50	
Methylene Chloride	50.0	51.7		ug/kg		103	68 - 144	6	50	
4-Methyl-2-pentanone	250	264		ug/kg		106	59 - 138	2	50	
Styrene	50.0	55.7		ug/kg		111	82 - 137	3	50	
1,1,1,2-Tetrachloroethane	50.0	50.7		ug/kg		101	66 - 134	6	50	
Tetrachloroethene	50.0	52.6		ug/kg		105	78 - 140	6	50	
Toluene	50.0	53.0		ug/kg		106	80 - 132	4	50	
1,2,4-Trichlorobenzene	50.0	52.4		ug/kg		105	62 - 150	7	50	
1,2,3-Trichlorobenzene	50.0	54.2		ug/kg		108	70 - 150	5	50	
1,1,1-Trichloroethane	50.0	51.3		ug/kg		103	72 - 140	3	50	
1,1,2-Trichloroethane	50.0	47.6		ug/kg		95	78 - 128	1	50	
Trichloroethene	50.0	49.0		ug/kg		98	77 - 127	3	50	
Trichlorofluoromethane	50.0	50.0		ug/kg		100	50 - 140	5	50	
Vinyl chloride	50.0	49.7		ug/kg		99	47 - 136	5	50	
Xylenes, total	150	165		ug/kg		110	80 - 137	5	50	

Surrogate	LCS Dup		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	95		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8	101		70 - 130
4-Bromofluorobenzene	105		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3289-MS1**

**Matrix: Soil**

**Analysis Batch: U020186**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3289\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike	Matrix Spike Qualifier	Unit	D	%Rec	Limits
	Result			Result					
Acetone	<1.10		11.0	16.8		mg/kg wet		152	19 - 175
Benzene	<0.0486		2.21	2.44		mg/kg wet		110	31 - 143
Bromochloromethane	<0.0530		2.21	2.27		mg/kg wet		103	31 - 141
Bromodichloromethane	<0.0442		2.21	2.46		mg/kg wet		111	19 - 148
Bromoform	<0.0442		2.21	2.50		mg/kg wet		113	10 - 165
Bromomethane	<0.0530		2.21	1.73		mg/kg wet		79	10 - 164
2-Butanone	<1.10		11.0	14.7		mg/kg wet		133	18 - 153
Carbon disulfide	<0.159		2.21	2.27		mg/kg wet		103	32 - 144
Carbon Tetrachloride	<0.0442		2.21	2.43		mg/kg wet		110	31 - 149
Chlorobenzene	<0.0486		2.21	2.37		mg/kg wet		107	25 - 152
Chlorodibromomethane	<0.0442		2.21	2.50		mg/kg wet		113	14 - 146
Chloroethane	<0.110		2.21	2.32		mg/kg wet		105	10 - 151
Chloroform	<0.0574		2.21	2.26		mg/kg wet		102	34 - 160
Chloromethane	<0.0486		2.21	2.15		mg/kg wet		98	10 - 156
Cyclohexane	1.13		2.21	3.60		mg/kg wet		112	32 - 158
1,2-Dibromo-3-chloropropane	<0.110		2.21	2.29		mg/kg wet		104	10 - 147
1,2-Dibromoethane (EDB)	<0.0442		2.21	2.42		mg/kg wet		109	18 - 156
Methylcyclohexane	4.77		2.21	7.13		mg/kg wet		107	29 - 167
1,2-Dichlorobenzene	<0.0442		2.21	2.41		mg/kg wet		109	10 - 160
1,3-Dichlorobenzene	<0.0530		2.21	2.48		mg/kg wet		112	10 - 162
1,4-Dichlorobenzene	<0.0486		2.21	2.48		mg/kg wet		112	11 - 159
Dichlorodifluoromethane	<0.0618		2.21	0.496		mg/kg wet		22	10 - 143
1,2-Dichloroethane	<0.0486		2.21	2.41		mg/kg wet		109	28 - 138
1,1-Dichloroethane	<0.0574		2.21	2.43		mg/kg wet		110	42 - 136
1,1-Dichloroethene	<0.0530		2.21	1.91		mg/kg wet		86	41 - 143
trans-1,2-Dichloroethene	<0.0574		2.21	2.45		mg/kg wet		111	39 - 140
1,1,2-Trifluorotrchloroethane	<0.0486		2.21	2.08		mg/kg wet		94	42 - 147
cis-1,2-Dichloroethene	<0.0486		2.21	2.45		mg/kg wet		111	36 - 139
1,2-Dichloropropane	<0.0442		2.21	2.39		mg/kg wet		108	20 - 146
trans-1,3-Dichloropropene	<0.0442		2.21	2.63		mg/kg wet		119	10 - 157
cis-1,3-Dichloropropene	<0.0442		2.21	2.69		mg/kg wet		122	15 - 166
Ethylbenzene	0.114		2.21	2.56		mg/kg wet		111	23 - 161
2-Hexanone	<1.10		11.0	13.3		mg/kg wet		121	10 - 169
Isopropylbenzene	0.866		2.21	3.51		mg/kg wet		120	23 - 181
Methyl Acetate	<0.221		2.21	2.73		mg/kg wet		123	10 - 200
Methyl tert-Butyl Ether	<0.0442		2.21	2.59		mg/kg wet		117	28 - 141
Methylene Chloride	<0.221		2.21	2.43		mg/kg wet		110	24 - 182
4-Methyl-2-pentanone	<1.10		11.0	12.2		mg/kg wet		111	10 - 168
Styrene	<0.0486		2.21	2.51		mg/kg wet		114	10 - 165
1,1,1,2-Tetrachloroethane	<0.0442		2.21	4.28	M7	mg/kg wet		194	10 - 162
Tetrachloroethene	<0.0574		2.21	2.34		mg/kg wet		106	33 - 161
Toluene	<0.0486		2.21	2.37		mg/kg wet		107	30 - 155
1,2,4-Trichlorobenzene	<0.0530		2.21	2.50		mg/kg wet		113	10 - 167
1,2,3-Trichlorobenzene	<0.0486		2.21	2.44		mg/kg wet		110	10 - 157
1,1,1-Trichloroethane	<0.0442		2.21	2.39		mg/kg wet		108	35 - 149
1,1,2-Trichloroethane	<0.110		2.21	2.59		mg/kg wet		117	19 - 157
Trichloroethene	<0.0442		2.21	2.38		mg/kg wet		108	27 - 153
Trichlorofluoromethane	<0.0442		2.21	2.03		mg/kg wet		92	25 - 137
Vinyl chloride	<0.0442		2.21	2.42		mg/kg wet		110	20 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3289-MS1**

**Matrix: Soil**

**Analysis Batch: U020186**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3289\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Xylenes, total	<0.110		6.63	7.39		mg/kg wet		112	25 - 162	
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1,2-Dichloroethane-d4	98		70 - 130							
Dibromofluoromethane	98		70 - 130							
Toluene-d8	107		70 - 130							
4-Bromofluorobenzene	128		70 - 130							

**Lab Sample ID: 11K3289-MSD1**

**Matrix: Soil**

**Analysis Batch: U020186**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3289\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	<1.10		11.0	18.3		mg/kg wet		166	19 - 175	8	50	
Benzene	<0.0486		2.21	2.45		mg/kg wet		111	31 - 143	0.7	50	
Bromochloromethane	<0.0530		2.21	2.28		mg/kg wet		103	31 - 141	0.7	50	
Bromodichloromethane	<0.0442		2.21	2.46		mg/kg wet		112	19 - 148	0.3	50	
Bromoform	<0.0442		2.21	2.48		mg/kg wet		112	10 - 165	0.9	50	
Bromomethane	<0.0530		2.21	1.95		mg/kg wet		88	10 - 164	12	50	
2-Butanone	<1.10		11.0	15.4		mg/kg wet		139	18 - 153	5	50	
Carbon disulfide	<0.159		2.21	2.38		mg/kg wet		108	32 - 144	5	50	
Carbon Tetrachloride	<0.0442		2.21	2.46		mg/kg wet		112	31 - 149	1	50	
Chlorobenzene	<0.0486		2.21	2.34		mg/kg wet		106	25 - 152	1	50	
Chlorodibromomethane	<0.0442		2.21	2.58		mg/kg wet		117	14 - 146	3	50	
Chloroethane	<0.110		2.21	2.37		mg/kg wet		107	10 - 151	2	50	
Chloroform	<0.0574		2.21	2.29		mg/kg wet		104	34 - 160	1	49	
Chloromethane	<0.0486		2.21	2.35		mg/kg wet		106	10 - 156	9	50	
Cyclohexane	1.13		2.21	3.72		mg/kg wet		117	32 - 158	3	50	
1,2-Dibromo-3-chloropropane	<0.110		2.21	2.63		mg/kg wet		119	10 - 147	14	50	
1,2-Dibromoethane (EDB)	<0.0442		2.21	2.44		mg/kg wet		111	18 - 156	1	50	
Methylcyclohexane	4.77		2.21	7.38		mg/kg wet		118	29 - 167	3	50	
1,2-Dichlorobenzene	<0.0442		2.21	2.31		mg/kg wet		104	10 - 160	4	50	
1,3-Dichlorobenzene	<0.0530		2.21	2.29		mg/kg wet		104	10 - 162	8	50	
1,4-Dichlorobenzene	<0.0486		2.21	2.32		mg/kg wet		105	11 - 159	7	50	
Dichlorodifluoromethane	<0.0618		2.21	0.662		mg/kg wet		30	10 - 143	29	50	
1,2-Dichloroethane	<0.0486		2.21	2.41		mg/kg wet		109	28 - 138	0.3	50	
1,1-Dichloroethane	<0.0574		2.21	2.49		mg/kg wet		113	42 - 136	3	50	
1,1-Dichloroethene	<0.0530		2.21	1.97		mg/kg wet		89	41 - 143	3	50	
trans-1,2-Dichloroethene	<0.0574		2.21	2.48		mg/kg wet		112	39 - 140	1	50	
1,1,2-Trifluorotrchloroethane	<0.0486		2.21	2.13		mg/kg wet		97	42 - 147	2	50	
cis-1,2-Dichloroethene	<0.0486		2.21	2.48		mg/kg wet		112	36 - 139	1	50	
1,2-Dichloropropane	<0.0442		2.21	2.44		mg/kg wet		110	20 - 146	2	50	
trans-1,3-Dichloropropene	<0.0442		2.21	2.64		mg/kg wet		120	10 - 157	0.5	50	
cis-1,3-Dichloropropene	<0.0442		2.21	2.69		mg/kg wet		122	15 - 166	0.02	50	
Ethylbenzene	0.114		2.21	2.51		mg/kg wet		109	23 - 161	2	50	
2-Hexanone	<1.10		11.0	13.9		mg/kg wet		126	10 - 169	4	50	
Isopropylbenzene	0.866		2.21	3.42		mg/kg wet		115	23 - 181	3	50	
Methyl Acetate	<0.221		2.21	2.94		mg/kg wet		133	10 - 200	7	50	
Methyl tert-Butyl Ether	<0.0442		2.21	2.66		mg/kg wet		120	28 - 141	2	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11K3289-MSD1**

**Matrix: Soil**

**Analysis Batch: U020186**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3289\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Methylene Chloride	<0.221		2.21	2.52		mg/kg wet		114	24 - 182	4	50
4-Methyl-2-pentanone	<1.10		11.0	12.7		mg/kg wet		115	10 - 168	4	50
Styrene	<0.0486		2.21	2.44		mg/kg wet		110	10 - 165	3	50
1,1,2,2-Tetrachloroethane	<0.0442		2.21	4.30	M7	mg/kg wet		195	10 - 162	0.6	50
Tetrachloroethene	<0.0574		2.21	2.33		mg/kg wet		105	33 - 161	0.4	50
Toluene	<0.0486		2.21	2.39		mg/kg wet		108	30 - 155	0.7	50
1,2,4-Trichlorobenzene	<0.0530		2.21	2.36		mg/kg wet		107	10 - 167	5	50
1,2,3-Trichlorobenzene	<0.0486		2.21	2.33		mg/kg wet		105	10 - 157	5	50
1,1,1-Trichloroethane	<0.0442		2.21	2.47		mg/kg wet		112	35 - 149	3	50
1,1,2-Trichloroethane	<0.110		2.21	2.65		mg/kg wet		120	19 - 157	2	50
Trichloroethene	<0.0442		2.21	2.38		mg/kg wet		108	27 - 153	0.2	50
Trichlorofluoromethane	<0.0442		2.21	2.05		mg/kg wet		93	25 - 137	0.8	50
Vinyl chloride	<0.0442		2.21	2.50		mg/kg wet		113	20 - 141	3	50
Xylenes, total	<0.110		6.63	7.24		mg/kg wet		109	25 - 162	2	50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
1,2-Dichloroethane-d4	96		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	107		70 - 130
4-Bromofluorobenzene	129		70 - 130

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

**Lab Sample ID: 11K3133-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3133**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3133\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Anthracene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Carbazole	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Chrysene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3133-BLK1

Matrix: Water

Analysis Batch: 11K3133

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11K3133\_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Fluorene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Isophorone	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Phenol	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
Pyrene	<1.00		2.00	1.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		11/12/11 10:35	11/13/11 20:14	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		11/12/11 10:35	11/13/11 20:14	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	96		13 - 120	11/12/11 10:35	11/13/11 20:14	1.00
2,4,6-Tribromophenol	78		10 - 120	11/12/11 10:35	11/13/11 20:14	1.00
Phenol-d5	34		10 - 120	11/12/11 10:35	11/13/11 20:14	1.00
2-Fluorobiphenyl	64		29 - 120	11/12/11 10:35	11/13/11 20:14	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3133-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3133**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3133\_P**

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol	56		10 - 120	11/12/11 10:35	11/13/11 20:14	1.00
Nitrobenzene-d5	73		27 - 120	11/12/11 10:35	11/13/11 20:14	1.00

**Lab Sample ID: 11K3133-BS1**

**Matrix: Water**

**Analysis Batch: 11K3133**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3133\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Acenaphthene	50.0	40.9	MNR1	ug/L		82		46 - 120
Acenaphthylene	50.0	39.0	MNR1	ug/L		78		48 - 120
Anthracene	50.0	44.7	MNR1	ug/L		89		58 - 130
Benzo (a) anthracene	50.0	47.4	MNR1	ug/L		95		57 - 120
Benzo (a) pyrene	50.0	50.7	MNR1	ug/L		101		57 - 124
Benzo (b) fluoranthene	50.0	48.1	MNR1	ug/L		96		51 - 125
Benzo (g,h,i) perylene	50.0	44.6	MNR1	ug/L		89		51 - 123
Benzo (k) fluoranthene	50.0	44.4	MNR1	ug/L		89		51 - 120
4-Bromophenyl phenyl ether	50.0	51.0	MNR1	ug/L		102		47 - 127
Butyl benzyl phthalate	50.0	42.5	MNR1	ug/L		85		51 - 146
Carbazole	50.0	46.2	MNR1	ug/L		92		54 - 123
4-Chloro-3-methylphenol	50.0	37.0	MNR1	ug/L		74		44 - 120
4-Chloroaniline	50.0	40.4	MNR1	ug/L		81		44 - 120
Bis(2-chloroethoxy)methane	50.0	36.9	MNR1	ug/L		74		44 - 120
Bis(2-chloroethyl)ether	50.0	39.8	MNR1	ug/L		80		47 - 120
Bis(2-chloroisopropyl)ether	50.0	38.6	MNR1	ug/L		77		44 - 120
2-Chloronaphthalene	50.0	33.5	MNR1	ug/L		67		39 - 120
2-Chlorophenol	50.0	40.0	MNR1	ug/L		80		40 - 120
4-Chlorophenyl phenyl ether	50.0	49.8	MNR1	ug/L		100		50 - 120
Chrysene	50.0	45.8	MNR1	ug/L		92		55 - 120
Dibenz (a,h) anthracene	50.0	38.2	MNR1	ug/L		76		50 - 125
Dibenzofuran	50.0	46.8	MNR1	ug/L		94		50 - 120
Di-n-butyl phthalate	50.0	42.6	MNR1	ug/L		85		54 - 140
1,4-Dichlorobenzene	50.0	30.4	MNR1	ug/L		61		31 - 120
1,2-Dichlorobenzene	50.0	30.6	MNR1	ug/L		61		32 - 120
1,3-Dichlorobenzene	50.0	29.8	MNR1	ug/L		60		32 - 120
3,3-Dichlorobenzidine	50.0	44.9	MNR1	ug/L		90		46 - 129
2,4-Dichlorophenol	50.0	39.4	MNR1	ug/L		79		38 - 120
Diethyl phthalate	50.0	43.8	MNR1	ug/L		88		54 - 128
2,4-Dimethylphenol	50.0	39.9	MNR1	ug/L		80		21 - 126
Dimethyl phthalate	50.0	44.4	MNR1	ug/L		89		53 - 127
4,6-Dinitro-2-methylphenol	50.0	47.6	MNR1	ug/L		95		19 - 150
2,4-Dinitrophenol	50.0	52.2	MNR1	ug/L		104		20 - 150
2,6-Dinitrotoluene	50.0	44.7	MNR1	ug/L		89		54 - 128
2,4-Dinitrotoluene	50.0	43.5	MNR1	ug/L		87		46 - 132
Di-n-octyl phthalate	50.0	40.4	MNR1	ug/L		81		50 - 142
Bis(2-ethylhexyl)phthalate	50.0	40.3	MNR1	ug/L		81		47 - 138
Fluoranthene	50.0	50.7	MNR1	ug/L		101		56 - 120
Fluorene	50.0	46.6	MNR1	ug/L		93		52 - 120
Hexachlorobenzene	50.0	51.8	MNR1	ug/L		104		48 - 131
Hexachlorobutadiene	50.0	37.0	MNR1	ug/L		74		28 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3133-BS1**

**Matrix: Water**

**Analysis Batch: 11K3133**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3133\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	50.0	21.4	MNR1	ug/L		43	17 - 120
Hexachloroethane	50.0	30.4	MNR1	ug/L		61	30 - 120
Indeno (1,2,3-cd) pyrene	50.0	39.9	MNR1	ug/L		80	54 - 125
Isophorone	50.0	33.6	MNR1	ug/L		67	47 - 120
2-Methylnaphthalene	50.0	35.1	MNR1	ug/L		70	31 - 120
2-Methylphenol	50.0	33.3	MNR1	ug/L		67	38 - 120
Naphthalene	50.0	37.8	MNR1	ug/L		76	37 - 120
3/4-Methylphenol	50.0	28.4	MNR1	ug/L		57	33 - 120
3-Nitroaniline	50.0	44.5	MNR1	ug/L		89	54 - 121
2-Nitroaniline	50.0	43.9	MNR1	ug/L		88	46 - 131
4-Nitroaniline	50.0	46.9	MNR1	ug/L		94	55 - 123
Nitrobenzene	50.0	29.9	MNR1	ug/L		60	36 - 120
4-Nitrophenol	50.0	19.9	MNR1 J	ug/L		40	10 - 120
2-Nitrophenol	50.0	37.0	MNR1	ug/L		74	32 - 120
N-Nitrosodiphenylamine	50.0	55.4	MNR1	ug/L		111	58 - 149
N-Nitrosodi-n-propylamine	50.0	38.0	MNR1	ug/L		76	51 - 120
Pentachlorophenol	50.0	62.0	MNR1	ug/L		124	21 - 150
Phenanthrene	50.0	45.3	MNR1	ug/L		91	56 - 120
Phenol	50.0	18.2	MNR1	ug/L		36	14 - 120
Pyrene	50.0	49.0	MNR1	ug/L		98	53 - 129
1,2,4-Trichlorobenzene	50.0	29.9	MNR1	ug/L		60	30 - 120
2,4,6-Trichlorophenol	50.0	53.8	MNR1	ug/L		108	39 - 135
2,4,5-Trichlorophenol	50.0	42.3	MNR1	ug/L		85	40 - 129

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Terphenyl-d14	102		13 - 120
2,4,6-Tribromophenol	85		10 - 120
Phenol-d5	31		10 - 120
2-Fluorobiphenyl	80		29 - 120
2-Fluorophenol	52		10 - 120
Nitrobenzene-d5	68		27 - 120

**Lab Sample ID: 11K3147-BLK1**

**Matrix: Soil**

**Analysis Batch: 11K3147**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3147\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3147-BLK1

Matrix: Soil

Analysis Batch: 11K3147

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11K3147\_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3147-BLK1**

**Matrix: Soil**

**Analysis Batch: 11K3147**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3147\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		11/14/11 09:20	11/14/11 20:48	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	93		18 - 120	11/14/11 09:20	11/14/11 20:48	1.00
2,4,6-Tribromophenol	82		19 - 120	11/14/11 09:20	11/14/11 20:48	1.00
Phenol-d5	62		18 - 120	11/14/11 09:20	11/14/11 20:48	1.00
2-Fluorobiphenyl	71		14 - 120	11/14/11 09:20	11/14/11 20:48	1.00
2-Fluorophenol	62		17 - 120	11/14/11 09:20	11/14/11 20:48	1.00
Nitrobenzene-d5	63		17 - 120	11/14/11 09:20	11/14/11 20:48	1.00

**Lab Sample ID: 11K3147-BS1**

**Matrix: Soil**

**Analysis Batch: 11K3147**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3147\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.24		mg/kg wet		74	36 - 120
Acenaphthylene	1.67	1.14		mg/kg wet		68	38 - 120
Anthracene	1.67	1.29		mg/kg wet		77	46 - 124
Benzo (a) anthracene	1.67	1.36		mg/kg wet		81	45 - 120
Benzo (a) pyrene	1.67	1.38		mg/kg wet		83	45 - 120
Benzo (b) fluoranthene	1.67	1.22		mg/kg wet		73	42 - 120
Benzo (g,h,i) perylene	1.67	1.17		mg/kg wet		70	38 - 120
Benzo (k) fluoranthene	1.67	1.33		mg/kg wet		80	42 - 120
4-Bromophenyl phenyl ether	1.67	1.39		mg/kg wet		84	40 - 120
Butyl benzyl phthalate	1.67	1.30		mg/kg wet		78	43 - 133
Carbazole	1.67	1.30		mg/kg wet		78	44 - 120
4-Chloro-3-methylphenol	1.67	1.10		mg/kg wet		66	38 - 120
4-Chloroaniline	1.67	1.13		mg/kg wet		68	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.05		mg/kg wet		63	32 - 120
Bis(2-chloroethyl)ether	1.67	1.07		mg/kg wet		64	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.13		mg/kg wet		68	32 - 120
2-Chloronaphthalene	1.67	1.03		mg/kg wet		62	34 - 120
2-Chlorophenol	1.67	1.13		mg/kg wet		68	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.43		mg/kg wet		86	42 - 120
Chrysene	1.67	1.30		mg/kg wet		78	43 - 120
Dibenz (a,h) anthracene	1.67	1.11		mg/kg wet		67	32 - 128
Dibenzofuran	1.67	1.35		mg/kg wet		81	41 - 120
Di-n-butyl phthalate	1.67	1.23		mg/kg wet		74	46 - 127
1,4-Dichlorobenzene	1.67	0.986		mg/kg wet		59	32 - 120
1,2-Dichlorobenzene	1.67	0.994		mg/kg wet		60	33 - 120
1,3-Dichlorobenzene	1.67	0.971		mg/kg wet		58	32 - 120
3,3-Dichlorobenzidine	1.67	1.38		mg/kg wet		83	39 - 120
2,4-Dichlorophenol	1.67	1.11		mg/kg wet		67	32 - 120
Diethyl phthalate	1.67	1.26		mg/kg wet		76	41 - 122
2,4-Dimethylphenol	1.67	1.13		mg/kg wet		68	32 - 120
Dimethyl phthalate	1.67	1.26		mg/kg wet		76	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.38		mg/kg wet		83	27 - 134
2,4-Dinitrophenol	1.67	1.36		mg/kg wet		82	23 - 142

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3147-BS1**

**Matrix: Soil**

**Analysis Batch: 11K3147**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3147\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,6-Dinitrotoluene	1.67	1.25		mg/kg wet		75	43 - 120
2,4-Dinitrotoluene	1.67	1.21		mg/kg wet		73	43 - 120
Di-n-octyl phthalate	1.67	1.32		mg/kg wet		79	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	1.21		mg/kg wet		72	43 - 120
Fluoranthene	1.67	1.35		mg/kg wet		81	46 - 120
Fluorene	1.67	1.39		mg/kg wet		84	42 - 120
Hexachlorobenzene	1.67	1.42		mg/kg wet		85	44 - 120
Hexachlorobutadiene	1.67	1.22		mg/kg wet		73	31 - 120
Hexachlorocyclopentadiene	1.67	0.808		mg/kg wet		48	24 - 120
Hexachloroethane	1.67	1.10		mg/kg wet		66	33 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.11		mg/kg wet		67	41 - 121
Isophorone	1.67	0.989		mg/kg wet		59	33 - 120
2-Methylnaphthalene	1.67	1.12		mg/kg wet		67	28 - 120
2-Methylphenol	1.67	1.10		mg/kg wet		66	36 - 120
3/4-Methylphenol	1.67	1.02		mg/kg wet		61	37 - 120
Naphthalene	1.67	1.20		mg/kg wet		72	32 - 120
3-Nitroaniline	1.67	1.35		mg/kg wet		81	42 - 120
2-Nitroaniline	1.67	1.34		mg/kg wet		81	40 - 120
4-Nitroaniline	1.67	1.41		mg/kg wet		84	43 - 120
Nitrobenzene	1.67	0.835		mg/kg wet		50	26 - 120
4-Nitrophenol	1.67	1.34		mg/kg wet		80	32 - 136
2-Nitrophenol	1.67	1.05		mg/kg wet		63	29 - 120
N-Nitrosodiphenylamine	1.67	1.58		mg/kg wet		95	52 - 140
N-Nitrosodi-n-propylamine	1.67	1.17		mg/kg wet		70	35 - 120
Pentachlorophenol	1.67	1.63		mg/kg wet		98	44 - 134
Phenanthrene	1.67	1.28		mg/kg wet		77	45 - 120
Phenol	1.67	1.13		mg/kg wet		68	30 - 120
Pyrene	1.67	1.36		mg/kg wet		82	43 - 120
1,2,4-Trichlorobenzene	1.67	0.963		mg/kg wet		58	29 - 120
2,4,6-Trichlorophenol	1.67	1.43		mg/kg wet		86	39 - 120
2,4,5-Trichlorophenol	1.67	1.17		mg/kg wet		70	39 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	85		18 - 120
2,4,6-Tribromophenol	69		19 - 120
Phenol-d5	61		18 - 120
2-Fluorobiphenyl	64		14 - 120
2-Fluorophenol	55		17 - 120
Nitrobenzene-d5	55		17 - 120

**Lab Sample ID: 11K3147-MS1**

**Matrix: Soil**

**Analysis Batch: 11K3147**

**Client Sample ID: Tract 35 SB-4 (0-2)**

**Prep Type: Total**

**Prep Batch: 11K3147\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	<0.0419		2.47	1.46		mg/kg dry	☼	59	19 - 120
Acenaphthylene	<0.0419		2.47	1.31		mg/kg dry	☼	53	25 - 120
Anthracene	<0.0419		2.47	1.70		mg/kg dry	☼	69	28 - 125
Benzo (a) anthracene	0.0648	J	2.47	1.94		mg/kg dry	☼	76	23 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3147-MS1

Matrix: Soil

Analysis Batch: 11K3147

Client Sample ID: Tract 35 SB-4 (0-2)

Prep Type: Total

Prep Batch: 11K3147\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzo (a) pyrene	0.0468	J	2.47	1.83		mg/kg dry	*	72	15 - 128
Benzo (b) fluoranthene	0.0460	J	2.47	1.82		mg/kg dry	*	72	12 - 133
Benzo (g,h,i) perylene	<0.0419		2.47	1.34		mg/kg dry	*	54	22 - 120
Benzo (k) fluoranthene	<0.0419		2.47	1.66		mg/kg dry	*	67	28 - 120
4-Bromophenyl phenyl ether	<0.206		2.47	1.54		mg/kg dry	*	62	31 - 120
Butyl benzyl phthalate	<0.206		2.47	1.31		mg/kg dry	*	53	24 - 133
Carbazole	<0.206		2.47	1.71		mg/kg dry	*	69	25 - 123
4-Chloro-3-methylphenol	<0.206		2.47	1.33		mg/kg dry	*	54	21 - 120
4-Chloroaniline	<0.206		2.47	1.34		mg/kg dry	*	54	26 - 120
Bis(2-chloroethoxy)methane	<0.206		2.47	1.17		mg/kg dry	*	47	24 - 120
Bis(2-chloroethyl)ether	<0.206		2.47	1.26		mg/kg dry	*	51	22 - 120
Bis(2-chloroisopropyl)ether	<0.206		2.47	1.30		mg/kg dry	*	52	20 - 120
2-Chloronaphthalene	<0.206		2.47	1.18		mg/kg dry	*	48	24 - 120
2-Chlorophenol	<0.206		2.47	1.32		mg/kg dry	*	53	25 - 120
4-Chlorophenyl phenyl ether	<0.206		2.47	1.75		mg/kg dry	*	71	26 - 120
Chrysene	0.0431	J	2.47	1.71		mg/kg dry	*	68	20 - 120
Dibenz (a,h) anthracene	<0.0419		2.47	1.30		mg/kg dry	*	53	12 - 128
Dibenzofuran	<0.206		2.47	1.61		mg/kg dry	*	65	21 - 120
Di-n-butyl phthalate	<0.206		2.47	1.47		mg/kg dry	*	59	29 - 126
1,4-Dichlorobenzene	<0.206		2.47	1.15		mg/kg dry	*	47	10 - 120
1,2-Dichlorobenzene	<0.206		2.47	1.14		mg/kg dry	*	46	10 - 120
1,3-Dichlorobenzene	<0.206		2.47	1.11		mg/kg dry	*	45	10 - 120
3,3-Dichlorobenzidine	<0.206		2.47	1.27		mg/kg dry	*	51	10 - 120
2,4-Dichlorophenol	<0.206		2.47	1.36		mg/kg dry	*	55	17 - 120
Diethyl phthalate	<0.206		2.47	1.46		mg/kg dry	*	59	29 - 122
2,4-Dimethylphenol	<0.236		2.47	1.29		mg/kg dry	*	52	17 - 120
Dimethyl phthalate	<0.206		2.47	1.42		mg/kg dry	*	58	30 - 120
4,6-Dinitro-2-methylphenol	<0.206		2.47	1.24		mg/kg dry	*	50	10 - 134
2,4-Dinitrophenol	<0.206		2.47	0.847		mg/kg dry	*	34	10 - 150
2,6-Dinitrotoluene	<0.206		2.47	1.37		mg/kg dry	*	55	24 - 120
2,4-Dinitrotoluene	<0.206		2.47	1.45		mg/kg dry	*	59	24 - 121
Di-n-octyl phthalate	<0.206		2.47	1.28		mg/kg dry	*	52	27 - 130
Bis(2-ethylhexyl)phthalate	<0.206		2.47	1.28		mg/kg dry	*	52	26 - 120
Fluoranthene	0.115		2.47	2.60		mg/kg dry	*	101	10 - 143
Fluorene	<0.0419		2.47	1.76		mg/kg dry	*	71	20 - 120
Hexachlorobenzene	<0.206		2.47	1.63		mg/kg dry	*	66	25 - 120
Hexachlorobutadiene	<0.206		2.47	1.49		mg/kg dry	*	60	10 - 120
Hexachlorocyclopentadiene	<0.206		2.47	0.754		mg/kg dry	*	31	10 - 120
Hexachloroethane	<0.206		2.47	1.24		mg/kg dry	*	50	10 - 120
Indeno (1,2,3-cd) pyrene	0.0689	J	2.47	1.30		mg/kg dry	*	50	22 - 121
Isophorone	<0.206		2.47	1.08		mg/kg dry	*	44	24 - 120
2-Methylnaphthalene	<0.0419		2.47	1.39		mg/kg dry	*	56	13 - 120
2-Methylphenol	<0.206		2.47	1.20		mg/kg dry	*	49	23 - 120
3/4-Methylphenol	<0.206		2.47	1.17		mg/kg dry	*	47	19 - 120
Naphthalene	<0.0419		2.47	1.41		mg/kg dry	*	57	10 - 120
3-Nitroaniline	<0.206		2.47	1.50		mg/kg dry	*	61	31 - 120
2-Nitroaniline	<0.206		2.47	1.50		mg/kg dry	*	61	31 - 120
4-Nitroaniline	<0.206		2.47	1.68		mg/kg dry	*	68	28 - 120
Nitrobenzene	<0.206		2.47	0.988		mg/kg dry	*	40	19 - 120
4-Nitrophenol	<0.206		2.47	1.46		mg/kg dry	*	59	16 - 139

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3147-MS1**

**Matrix: Soil**

**Analysis Batch: 11K3147**

**Client Sample ID: Tract 35 SB-4 (0-2)**

**Prep Type: Total**

**Prep Batch: 11K3147\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
2-Nitrophenol	<0.241		2.47	1.24		mg/kg dry	☼	50		23 - 120
N-Nitrosodiphenylamine	<0.225		2.47	1.71		mg/kg dry	☼	69		26 - 150
N-Nitrosodi-n-propylamine	<0.206		2.47	1.24		mg/kg dry	☼	50		24 - 120
Pentachlorophenol	<0.206		2.47	2.05		mg/kg dry	☼	83		19 - 145
Phenanthrene	0.105		2.47	2.02		mg/kg dry	☼	78		21 - 122
Phenol	<0.206		2.47	1.25		mg/kg dry	☼	51		15 - 120
Pyrene	0.0817	J	2.47	2.24		mg/kg dry	☼	87		20 - 123
1,2,4-Trichlorobenzene	<0.206		2.47	1.15		mg/kg dry	☼	47		14 - 120
2,4,6-Trichlorophenol	<0.206		2.47	1.70		mg/kg dry	☼	69		24 - 122
2,4,5-Trichlorophenol	<0.206		2.47	1.42		mg/kg dry	☼	58		27 - 120

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits
Terphenyl-d14	64		18 - 120
2,4,6-Tribromophenol	53		19 - 120
Phenol-d5	46		18 - 120
2-Fluorobiphenyl	49		14 - 120
2-Fluorophenol	40		17 - 120
Nitrobenzene-d5	42		17 - 120

**Lab Sample ID: 11K3147-MSD1**

**Matrix: Soil**

**Analysis Batch: 11K3147**

**Client Sample ID: Tract 35 SB-4 (0-2)**

**Prep Type: Total**

**Prep Batch: 11K3147\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier							
Acenaphthene	<0.0419		2.06	1.27		mg/kg dry	☼	62		19 - 120	14	50
Acenaphthylene	<0.0419		2.06	1.15		mg/kg dry	☼	56		25 - 120	13	50
Anthracene	<0.0419		2.06	1.33		mg/kg dry	☼	65		28 - 125	25	49
Benzo (a) anthracene	0.0648	J	2.06	1.43		mg/kg dry	☼	66		23 - 120	30	50
Benzo (a) pyrene	0.0468	J	2.06	1.37		mg/kg dry	☼	64		15 - 128	29	50
Benzo (b) fluoranthene	0.0460	J	2.06	1.31		mg/kg dry	☼	61		12 - 133	33	50
Benzo (g,h,i) perylene	<0.0419		2.06	1.05		mg/kg dry	☼	51		22 - 120	24	50
Benzo (k) fluoranthene	<0.0419		2.06	1.26		mg/kg dry	☼	61		28 - 120	27	45
4-Bromophenyl phenyl ether	<0.206		2.06	1.32		mg/kg dry	☼	64		31 - 120	16	37
Butyl benzyl phthalate	<0.206		2.06	1.07		mg/kg dry	☼	52		24 - 133	20	50
Carbazole	<0.206		2.06	1.34		mg/kg dry	☼	65		25 - 123	25	46
4-Chloro-3-methylphenol	<0.206		2.06	1.17		mg/kg dry	☼	57		21 - 120	13	49
4-Chloroaniline	<0.206		2.06	1.15		mg/kg dry	☼	56		26 - 120	15	50
Bis(2-chloroethoxy)methane	<0.206		2.06	1.00		mg/kg dry	☼	49		24 - 120	16	50
Bis(2-chloroethyl)ether	<0.206		2.06	0.994		mg/kg dry	☼	48		22 - 120	24	50
Bis(2-chloroisopropyl)ether	<0.206		2.06	1.08		mg/kg dry	☼	52		20 - 120	19	50
2-Chloronaphthalene	<0.206		2.06	1.02		mg/kg dry	☼	49		24 - 120	15	50
2-Chlorophenol	<0.206		2.06	1.09		mg/kg dry	☼	53		25 - 120	19	50
4-Chlorophenyl phenyl ether	<0.206		2.06	1.51		mg/kg dry	☼	73		26 - 120	15	50
Chrysene	0.0431	J	2.06	1.28		mg/kg dry	☼	60		20 - 120	29	49
Dibenz (a,h) anthracene	<0.0419		2.06	1.08		mg/kg dry	☼	52		12 - 128	19	50
Dibenzofuran	<0.206		2.06	1.37		mg/kg dry	☼	66		21 - 120	16	50
Di-n-butyl phthalate	<0.206		2.06	1.21		mg/kg dry	☼	59		29 - 126	19	49
1,4-Dichlorobenzene	<0.206		2.06	0.940		mg/kg dry	☼	46		10 - 120	20	50
1,2-Dichlorobenzene	<0.206		2.06	0.971		mg/kg dry	☼	47		10 - 120	16	50

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3147-MSD1

Matrix: Soil

Analysis Batch: 11K3147

Client Sample ID: Tract 35 SB-4 (0-2)

Prep Type: Total

Prep Batch: 11K3147\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
1,3-Dichlorobenzene	<0.206		2.06	0.942		mg/kg dry	*	46	10 - 120	17	50
3,3-Dichlorobenzidine	<0.206		2.06	1.20		mg/kg dry	*	58	10 - 120	5	50
2,4-Dichlorophenol	<0.206		2.06	1.08		mg/kg dry	*	53	17 - 120	23	50
Diethyl phthalate	<0.206		2.06	1.22		mg/kg dry	*	59	29 - 122	18	45
2,4-Dimethylphenol	<0.236		2.06	1.11		mg/kg dry	*	54	17 - 120	15	50
Dimethyl phthalate	<0.206		2.06	1.18		mg/kg dry	*	57	30 - 120	19	46
4,6-Dinitro-2-methylphenol	<0.206		2.06	0.312	R J	mg/kg dry	*	15	10 - 134	120	50
2,4-Dinitrophenol	<0.206		2.06	0.276	R J	mg/kg dry	*	13	10 - 150	102	50
2,6-Dinitrotoluene	<0.206		2.06	1.09		mg/kg dry	*	53	24 - 120	22	50
2,4-Dinitrotoluene	<0.206		2.06	1.14		mg/kg dry	*	55	24 - 121	24	50
Di-n-octyl phthalate	<0.206		2.06	1.11		mg/kg dry	*	54	27 - 130	14	50
Bis(2-ethylhexyl)phthalate	<0.206		2.06	1.18		mg/kg dry	*	57	26 - 120	8	50
Fluoranthene	0.115		2.06	1.50	R	mg/kg dry	*	67	10 - 143	54	50
Fluorene	<0.0419		2.06	1.48		mg/kg dry	*	72	20 - 120	17	50
Hexachlorobenzene	<0.206		2.06	1.33		mg/kg dry	*	65	25 - 120	20	50
Hexachlorobutadiene	<0.206		2.06	1.35		mg/kg dry	*	65	10 - 120	10	50
Hexachlorocyclopentadiene	<0.206		2.06	0.437	R	mg/kg dry	*	21	10 - 120	53	50
Hexachloroethane	<0.206		2.06	1.09		mg/kg dry	*	53	10 - 120	14	50
Indeno (1,2,3-cd) pyrene	0.0689	J	2.06	1.05		mg/kg dry	*	48	22 - 121	22	50
Isophorone	<0.206		2.06	0.943		mg/kg dry	*	46	24 - 120	14	50
2-Methylnaphthalene	<0.0419		2.06	1.18		mg/kg dry	*	57	13 - 120	16	50
2-Methylphenol	<0.206		2.06	1.04		mg/kg dry	*	51	23 - 120	14	50
3/4-Methylphenol	<0.206		2.06	1.02		mg/kg dry	*	50	19 - 120	14	50
Naphthalene	<0.0419		2.06	1.24		mg/kg dry	*	60	10 - 120	13	50
3-Nitroaniline	<0.206		2.06	1.32		mg/kg dry	*	64	31 - 120	13	49
2-Nitroaniline	<0.206		2.06	1.35		mg/kg dry	*	66	31 - 120	11	50
4-Nitroaniline	<0.206		2.06	1.52		mg/kg dry	*	74	28 - 120	9	49
Nitrobenzene	<0.206		2.06	0.844		mg/kg dry	*	41	19 - 120	16	50
4-Nitrophenol	<0.206		2.06	1.49		mg/kg dry	*	72	16 - 139	2	45
2-Nitrophenol	<0.241		2.06	0.865		mg/kg dry	*	42	23 - 120	35	50
N-Nitrosodiphenylamine	<0.225		2.06	1.46		mg/kg dry	*	71	26 - 150	16	50
N-Nitrosodi-n-propylamine	<0.206		2.06	1.19		mg/kg dry	*	58	24 - 120	4	50
Pentachlorophenol	<0.206		2.06	1.70		mg/kg dry	*	83	19 - 145	19	50
Phenanthrene	0.105		2.06	1.38		mg/kg dry	*	62	21 - 122	38	50
Phenol	<0.206		2.06	1.07		mg/kg dry	*	52	15 - 120	16	50
Pyrene	0.0817	J	2.06	1.35		mg/kg dry	*	61	20 - 123	50	50
1,2,4-Trichlorobenzene	<0.206		2.06	1.01		mg/kg dry	*	49	14 - 120	13	50
2,4,6-Trichlorophenol	<0.206		2.06	1.50		mg/kg dry	*	73	24 - 122	13	50
2,4,5-Trichlorophenol	<0.206		2.06	1.24		mg/kg dry	*	60	27 - 120	13	50

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
Terphenyl-d14	62		18 - 120
2,4,6-Tribromophenol	57		19 - 120
Phenol-d5	48		18 - 120
2-Fluorobiphenyl	51		14 - 120
2-Fluorophenol	41		17 - 120
Nitrobenzene-d5	44		17 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Carbazole	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Chrysene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Fluorene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Isophorone	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Phenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
Pyrene	<1.00		2.00	1.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		11/14/11 12:40	11/14/11 22:51	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		11/14/11 12:40	11/14/11 22:51	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	110		13 - 120	11/14/11 12:40	11/14/11 22:51	1.00
2,4,6-Tribromophenol	86		10 - 120	11/14/11 12:40	11/14/11 22:51	1.00
Phenol-d5	29		10 - 120	11/14/11 12:40	11/14/11 22:51	1.00
2-Fluorobiphenyl	76		29 - 120	11/14/11 12:40	11/14/11 22:51	1.00
2-Fluorophenol	47		10 - 120	11/14/11 12:40	11/14/11 22:51	1.00
Nitrobenzene-d5	93		27 - 120	11/14/11 12:40	11/14/11 22:51	1.00

**Lab Sample ID: 11K3448-BS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	50.0	46.7		ug/L		93	46 - 120
Acenaphthylene	50.0	43.4		ug/L		87	48 - 120
Anthracene	50.0	48.8		ug/L		98	58 - 130
Benzo (a) anthracene	50.0	49.5		ug/L		99	57 - 120
Benzo (a) pyrene	50.0	55.0		ug/L		110	57 - 124
Benzo (b) fluoranthene	50.0	48.4		ug/L		97	51 - 125
Benzo (g,h,i) perylene	50.0	50.6		ug/L		101	51 - 123
Benzo (k) fluoranthene	50.0	51.5		ug/L		103	51 - 120
4-Bromophenyl phenyl ether	50.0	47.3		ug/L		95	47 - 127
Butyl benzyl phthalate	50.0	50.4		ug/L		101	51 - 146
Carbazole	50.0	49.5		ug/L		99	54 - 123
4-Chloro-3-methylphenol	50.0	44.7		ug/L		89	44 - 120
4-Chloroaniline	50.0	46.2		ug/L		92	44 - 120
Bis(2-chloroethoxy)methane	50.0	42.2		ug/L		84	44 - 120
Bis(2-chloroethyl)ether	50.0	43.1		ug/L		86	47 - 120
Bis(2-chloroisopropyl)ether	50.0	43.4		ug/L		87	44 - 120
2-Chloronaphthalene	50.0	38.1		ug/L		76	39 - 120
2-Chlorophenol	50.0	43.3		ug/L		87	40 - 120
4-Chlorophenyl phenyl ether	50.0	46.6		ug/L		93	50 - 120
Chrysene	50.0	46.0		ug/L		92	55 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3448-BS1

Matrix: Water

Analysis Batch: 11K3448

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11K3448\_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Dibenz (a,h) anthracene	50.0	51.7		ug/L		103	50 - 125
Dibenzofuran	50.0	47.9		ug/L		96	50 - 120
Di-n-butyl phthalate	50.0	47.2		ug/L		94	54 - 140
1,4-Dichlorobenzene	50.0	32.2		ug/L		64	31 - 120
1,2-Dichlorobenzene	50.0	33.7		ug/L		67	32 - 120
1,3-Dichlorobenzene	50.0	32.3		ug/L		65	32 - 120
3,3-Dichlorobenzidine	50.0	55.1		ug/L		110	46 - 129
2,4-Dichlorophenol	50.0	42.2		ug/L		84	38 - 120
Diethyl phthalate	50.0	45.3		ug/L		91	54 - 128
2,4-Dimethylphenol	50.0	44.3		ug/L		89	21 - 126
Dimethyl phthalate	50.0	47.0		ug/L		94	53 - 127
4,6-Dinitro-2-methylphenol	50.0	52.1		ug/L		104	19 - 150
2,4-Dinitrophenol	50.0	51.7		ug/L		103	20 - 150
2,6-Dinitrotoluene	50.0	47.5		ug/L		95	54 - 128
2,4-Dinitrotoluene	50.0	47.5		ug/L		95	46 - 132
Di-n-octyl phthalate	50.0	51.4		ug/L		103	50 - 142
Bis(2-ethylhexyl)phthalate	50.0	48.2		ug/L		96	47 - 138
Fluoranthene	50.0	48.4		ug/L		97	56 - 120
Fluorene	50.0	48.2		ug/L		96	52 - 120
Hexachlorobenzene	50.0	48.6		ug/L		97	48 - 131
Hexachlorobutadiene	50.0	38.0		ug/L		76	28 - 120
Hexachlorocyclopentadiene	50.0	26.8		ug/L		54	17 - 120
Hexachloroethane	50.0	36.0		ug/L		72	30 - 120
Indeno (1,2,3-cd) pyrene	50.0	51.1		ug/L		102	54 - 125
Isophorone	50.0	40.9		ug/L		82	47 - 120
2-Methylnaphthalene	50.0	40.0		ug/L		80	31 - 120
2-Methylphenol	50.0	35.9		ug/L		72	38 - 120
Naphthalene	50.0	42.2		ug/L		84	37 - 120
3/4-Methylphenol	50.0	32.8		ug/L		66	33 - 120
3-Nitroaniline	50.0	57.5		ug/L		115	54 - 121
2-Nitroaniline	50.0	53.7		ug/L		107	46 - 131
4-Nitroaniline	50.0	56.4		ug/L		113	55 - 123
Nitrobenzene	50.0	39.2		ug/L		78	36 - 120
4-Nitrophenol	50.0	21.4	J	ug/L		43	10 - 120
2-Nitrophenol	50.0	49.6		ug/L		99	32 - 120
N-Nitrosodiphenylamine	50.0	55.8		ug/L		112	58 - 149
N-Nitrosodi-n-propylamine	50.0	47.8		ug/L		96	51 - 120
Pentachlorophenol	50.0	57.9		ug/L		116	21 - 150
Phenanthrene	50.0	47.4		ug/L		95	56 - 120
Phenol	50.0	20.2		ug/L		40	14 - 120
Pyrene	50.0	48.2		ug/L		96	53 - 129
1,2,4-Trichlorobenzene	50.0	31.5		ug/L		63	30 - 120
2,4,6-Trichlorophenol	50.0	50.5		ug/L		101	39 - 135
2,4,5-Trichlorophenol	50.0	46.1		ug/L		92	40 - 129

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	102		13 - 120
2,4,6-Tribromophenol	86		10 - 120
Phenol-d5	30		10 - 120



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-BS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	81		29 - 120
2-Fluorophenol	48		10 - 120
Nitrobenzene-d5	86		27 - 120

**Lab Sample ID: 11K3448-BSD1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Acenaphthene	50.0	47.2		ug/L		94	46 - 120	1	31	
Acenaphthylene	50.0	44.6		ug/L		89	48 - 120	3	31	
Anthracene	50.0	50.6		ug/L		101	58 - 130	4	28	
Benzo (a) anthracene	50.0	49.7		ug/L		99	57 - 120	0.3	27	
Benzo (a) pyrene	50.0	54.7		ug/L		109	57 - 124	0.6	27	
Benzo (b) fluoranthene	50.0	52.7		ug/L		105	51 - 125	8	39	
Benzo (g,h,i) perylene	50.0	51.6		ug/L		103	51 - 123	2	27	
Benzo (k) fluoranthene	50.0	48.0		ug/L		96	51 - 120	7	32	
4-Bromophenyl phenyl ether	50.0	48.6		ug/L		97	47 - 127	3	29	
Butyl benzyl phthalate	50.0	51.4		ug/L		103	51 - 146	2	31	
Carbazole	50.0	50.7		ug/L		101	54 - 123	2	29	
4-Chloro-3-methylphenol	50.0	46.3		ug/L		93	44 - 120	3	22	
4-Chloroaniline	50.0	50.2		ug/L		100	44 - 120	8	26	
Bis(2-chloroethoxy)methane	50.0	44.4		ug/L		89	44 - 120	5	31	
Bis(2-chloroethyl)ether	50.0	47.1		ug/L		94	47 - 120	9	38	
Bis(2-chloroisopropyl)ether	50.0	47.7		ug/L		95	44 - 120	10	36	
2-Chloronaphthalene	50.0	39.1		ug/L		78	39 - 120	3	36	
2-Chlorophenol	50.0	47.2		ug/L		94	40 - 120	9	46	
4-Chlorophenyl phenyl ether	50.0	47.7		ug/L		95	50 - 120	2	29	
Chrysene	50.0	47.2		ug/L		94	55 - 120	3	27	
Dibenz (a,h) anthracene	50.0	52.5		ug/L		105	50 - 125	1	28	
Dibenzofuran	50.0	48.6		ug/L		97	50 - 120	2	29	
Di-n-butyl phthalate	50.0	47.9		ug/L		96	54 - 140	2	27	
1,4-Dichlorobenzene	50.0	35.5		ug/L		71	31 - 120	10	44	
1,2-Dichlorobenzene	50.0	36.6		ug/L		73	32 - 120	8	42	
1,3-Dichlorobenzene	50.0	35.3		ug/L		71	32 - 120	9	42	
3,3-Dichlorobenzidine	50.0	55.5		ug/L		111	46 - 129	0.8	30	
2,4-Dichlorophenol	50.0	44.2		ug/L		88	38 - 120	5	30	
Diethyl phthalate	50.0	46.0		ug/L		92	54 - 128	2	28	
2,4-Dimethylphenol	50.0	47.1		ug/L		94	21 - 126	6	48	
Dimethyl phthalate	50.0	48.8		ug/L		98	53 - 127	4	27	
4,6-Dinitro-2-methylphenol	50.0	53.0		ug/L		106	19 - 150	2	34	
2,4-Dinitrophenol	50.0	51.8		ug/L		104	20 - 150	0.06	31	
2,6-Dinitrotoluene	50.0	48.9		ug/L		98	54 - 128	3	29	
2,4-Dinitrotoluene	50.0	48.9		ug/L		98	46 - 132	3	26	
Di-n-octyl phthalate	50.0	52.0		ug/L		104	50 - 142	1	28	
Bis(2-ethylhexyl)phthalate	50.0	48.5		ug/L		97	47 - 138	0.6	28	
Fluoranthene	50.0	49.4		ug/L		99	56 - 120	2	28	
Fluorene	50.0	49.6		ug/L		99	52 - 120	3	28	
Hexachlorobenzene	50.0	50.0		ug/L		100	48 - 131	3	28	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-BSD1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Hexachlorobutadiene	50.0	39.9		ug/L		80	28 - 120	5	43	
Hexachlorocyclopentadiene	50.0	27.7		ug/L		55	17 - 120	3	43	
Hexachloroethane	50.0	39.4		ug/L		79	30 - 120	9	45	
Indeno (1,2,3-cd) pyrene	50.0	51.8		ug/L		104	54 - 125	1	27	
Isophorone	50.0	42.4		ug/L		85	47 - 120	4	31	
2-Methylnaphthalene	50.0	41.7		ug/L		83	31 - 120	4	35	
2-Methylphenol	50.0	38.7		ug/L		77	38 - 120	8	32	
Naphthalene	50.0	44.6		ug/L		89	37 - 120	5	37	
3/4-Methylphenol	50.0	34.7		ug/L		69	33 - 120	6	34	
3-Nitroaniline	50.0	59.4		ug/L		119	54 - 121	3	26	
2-Nitroaniline	50.0	55.1		ug/L		110	46 - 131	3	24	
4-Nitroaniline	50.0	57.6		ug/L		115	55 - 123	2	26	
Nitrobenzene	50.0	41.0		ug/L		82	36 - 120	5	28	
4-Nitrophenol	50.0	20.5	J	ug/L		41	10 - 120	5	38	
2-Nitrophenol	50.0	51.5		ug/L		103	32 - 120	4	31	
N-Nitrosodiphenylamine	50.0	57.7		ug/L		115	58 - 149	3	26	
N-Nitrosodi-n-propylamine	50.0	52.0		ug/L		104	51 - 120	8	37	
Pentachlorophenol	50.0	59.5		ug/L		119	21 - 150	3	31	
Phenanthrene	50.0	48.7		ug/L		97	56 - 120	3	26	
Phenol	50.0	21.0		ug/L		42	14 - 120	4	42	
Pyrene	50.0	48.8		ug/L		98	53 - 129	1	29	
1,2,4-Trichlorobenzene	50.0	33.6		ug/L		67	30 - 120	6	35	
2,4,6-Trichlorophenol	50.0	51.1		ug/L		102	39 - 135	1	40	
2,4,5-Trichlorophenol	50.0	47.6		ug/L		95	40 - 129	3	34	

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
Terphenyl-d14	106		13 - 120
2,4,6-Tribromophenol	90		10 - 120
Phenol-d5	31		10 - 120
2-Fluorobiphenyl	83		29 - 120
2-Fluorophenol	52		10 - 120
Nitrobenzene-d5	92		27 - 120

**Lab Sample ID: 11K3448-MS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acenaphthene	2.06		49.5	48.4		ug/L		94	46 - 120	
Acenaphthylene	<0.990		49.5	42.2		ug/L		85	48 - 120	
Anthracene	<0.990		49.5	47.5		ug/L		96	56 - 130	
Benzo (a) anthracene	<0.990		49.5	46.8		ug/L		95	57 - 122	
Benzo (a) pyrene	<0.990		49.5	50.3		ug/L		102	46 - 138	
Benzo (b) fluoranthene	<0.990		49.5	52.6		ug/L		106	45 - 138	
Benzo (g,h,i) perylene	<0.990		49.5	48.6		ug/L		98	48 - 137	
Benzo (k) fluoranthene	<0.990		49.5	40.2		ug/L		81	44 - 134	
4-Bromophenyl phenyl ether	<4.95		49.5	46.8		ug/L		95	47 - 127	
Butyl benzyl phthalate	<4.95		49.5	50.8		ug/L		103	51 - 146	
Carbazole	<4.95		49.5	48.8		ug/L		98	53 - 123	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3448-MS1

Matrix: Water

Analysis Batch: 11K3448

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11K3448\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
4-Chloro-3-methylphenol	<4.95		49.5	47.6		ug/L		96	38 - 120
4-Chloroaniline	<4.95		49.5	39.5		ug/L		80	35 - 120
Bis(2-chloroethoxy)methane	<4.95		49.5	41.4		ug/L		84	41 - 120
Bis(2-chloroethyl)ether	<4.95		49.5	42.4		ug/L		86	42 - 120
Bis(2-chloroisopropyl)ether	<4.95		49.5	43.0		ug/L		87	44 - 120
2-Chloronaphthalene	<4.95		49.5	38.3		ug/L		77	39 - 120
2-Chlorophenol	<4.95		49.5	43.0		ug/L		87	40 - 120
4-Chlorophenyl phenyl ether	<4.95		49.5	44.7		ug/L		90	50 - 120
Chrysene	<0.990		49.5	42.6		ug/L		86	54 - 123
Dibenz (a,h) anthracene	<0.990		49.5	48.4		ug/L		98	50 - 136
Dibenzofuran	<4.95		49.5	46.7		ug/L		94	50 - 120
Di-n-butyl phthalate	<4.95		49.5	47.6		ug/L		96	54 - 140
1,4-Dichlorobenzene	<4.95		49.5	33.9		ug/L		68	31 - 120
1,2-Dichlorobenzene	<4.95		49.5	35.9		ug/L		73	29 - 120
1,3-Dichlorobenzene	<4.95		49.5	34.2		ug/L		69	27 - 120
3,3-Dichlorobenzidine	<4.95		49.5	<4.95	M8	ug/L			10 - 130
2,4-Dichlorophenol	<4.95		49.5	43.0		ug/L		87	38 - 120
Diethyl phthalate	<4.95		49.5	43.8		ug/L		89	53 - 128
2,4-Dimethylphenol	<4.95		49.5	45.7		ug/L		92	11 - 130
Dimethyl phthalate	<4.95		49.5	45.2		ug/L		91	53 - 127
4,6-Dinitro-2-methylphenol	<12.9		49.5	56.9		ug/L		115	10 - 157
2,4-Dinitrophenol	<12.9		49.5	70.2		ug/L		142	10 - 176
2,6-Dinitrotoluene	<4.95		49.5	47.8		ug/L		97	54 - 128
2,4-Dinitrotoluene	<4.95		49.5	47.8		ug/L		97	46 - 134
Di-n-octyl phthalate	<4.95		49.5	51.0		ug/L		103	50 - 142
Bis(2-ethylhexyl)phthalate	<4.95		49.5	49.2		ug/L		99	44 - 138
Fluoranthene	<0.990		49.5	47.8		ug/L		96	56 - 120
Fluorene	1.17		49.5	47.0		ug/L		93	52 - 120
Hexachlorobenzene	<4.95		49.5	47.5		ug/L		96	48 - 131
Hexachlorobutadiene	<4.95		49.5	42.1		ug/L		85	24 - 120
Hexachlorocyclopentadiene	<4.95		49.5	27.9		ug/L		56	10 - 120
Hexachloroethane	<4.95		49.5	39.8		ug/L		80	26 - 120
Indeno (1,2,3-cd) pyrene	<0.990		49.5	48.4		ug/L		98	50 - 136
Isophorone	<4.95		49.5	40.0		ug/L		81	42 - 120
2-Methylnaphthalene	<0.990		49.5	41.9		ug/L		85	31 - 120
2-Methylphenol	<4.95		49.5	36.6		ug/L		74	36 - 120
Naphthalene	<0.990		49.5	43.8		ug/L		88	32 - 120
3/4-Methylphenol	<4.95		49.5	32.4		ug/L		66	32 - 120
3-Nitroaniline	<12.9		49.5	50.7		ug/L		102	38 - 121
2-Nitroaniline	<12.9		49.5	53.4		ug/L		108	46 - 131
4-Nitroaniline	<12.9		49.5	55.7		ug/L		113	47 - 124
Nitrobenzene	<4.95		49.5	38.8		ug/L		78	36 - 120
4-Nitrophenol	<4.95		49.5	22.3	J	ug/L		45	10 - 120
2-Nitrophenol	<4.95		49.5	<4.95	M8	ug/L			32 - 120
N-Nitrosodiphenylamine	<4.95		49.5	56.4		ug/L		114	45 - 149
N-Nitrosodi-n-propylamine	<4.95		49.5	46.9		ug/L		95	50 - 121
Pentachlorophenol	<12.9		49.5	64.3		ug/L		130	21 - 159
Phenanthrene	<0.990		49.5	46.8		ug/L		94	53 - 120
Phenol	<4.95		49.5	19.6		ug/L		40	10 - 120
Pyrene	<0.990		49.5	46.6		ug/L		94	50 - 129

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11K3448-MS1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,2,4-Trichlorobenzene	<4.95		49.5	34.1		ug/L		69	27 - 120	
2,4,6-Trichlorophenol	<4.95		49.5	50.1		ug/L		101	39 - 135	
2,4,5-Trichlorophenol	<12.9		49.5	45.4		ug/L		92	40 - 129	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Terphenyl-d14	92		13 - 120
2,4,6-Tribromophenol	92		10 - 120
Phenol-d5	31		10 - 120
2-Fluorobiphenyl	79		29 - 120
2-Fluorophenol	48		10 - 120
Nitrobenzene-d5	86		27 - 120

**Lab Sample ID: 11K3448-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3448**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3448\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
Acenaphthene	2.06		49.0	43.2		ug/L		84	46 - 120	11	31		
Acenaphthylene	<0.990		49.0	38.2		ug/L		78	48 - 120	10	31		
Anthracene	<0.990		49.0	42.5		ug/L		87	56 - 130	11	28		
Benzo (a) anthracene	<0.990		49.0	41.2		ug/L		84	57 - 122	13	27		
Benzo (a) pyrene	<0.990		49.0	45.2		ug/L		92	46 - 138	11	27		
Benzo (b) fluoranthene	<0.990		49.0	46.7		ug/L		95	45 - 138	12	39		
Benzo (g,h,i) perylene	<0.990		49.0	43.2		ug/L		88	48 - 137	12	27		
Benzo (k) fluoranthene	<0.990		49.0	36.5		ug/L		74	44 - 134	10	32		
4-Bromophenyl phenyl ether	<4.95		49.0	40.9		ug/L		83	47 - 127	14	29		
Butyl benzyl phthalate	<4.95		49.0	44.8		ug/L		91	51 - 146	13	31		
Carbazole	<4.95		49.0	42.9		ug/L		88	53 - 123	13	29		
4-Chloro-3-methylphenol	<4.95		49.0	43.8		ug/L		89	38 - 120	8	22		
4-Chloroaniline	<4.95		49.0	38.8		ug/L		79	35 - 120	2	26		
Bis(2-chloroethoxy)methane	<4.95		49.0	38.2		ug/L		78	41 - 120	8	31		
Bis(2-chloroethyl)ether	<4.95		49.0	40.1		ug/L		82	42 - 120	5	38		
Bis(2-chloroisopropyl)ether	<4.95		49.0	40.5		ug/L		83	44 - 120	6	36		
2-Chloronaphthalene	<4.95		49.0	34.6		ug/L		71	39 - 120	10	36		
2-Chlorophenol	<4.95		49.0	40.4		ug/L		82	40 - 120	6	46		
4-Chlorophenyl phenyl ether	<4.95		49.0	40.1		ug/L		82	50 - 120	11	29		
Chrysene	<0.990		49.0	38.5		ug/L		78	54 - 123	10	27		
Dibenz (a,h) anthracene	<0.990		49.0	43.6		ug/L		89	50 - 136	11	28		
Dibenzofuran	<4.95		49.0	42.1		ug/L		86	50 - 120	10	29		
Di-n-butyl phthalate	<4.95		49.0	41.5		ug/L		85	54 - 140	14	27		
1,4-Dichlorobenzene	<4.95		49.0	32.4		ug/L		66	31 - 120	4	44		
1,2-Dichlorobenzene	<4.95		49.0	33.8		ug/L		69	29 - 120	6	42		
1,3-Dichlorobenzene	<4.95		49.0	32.6		ug/L		66	27 - 120	5	42		
3,3-Dichlorobenzidine	<4.95		49.0	<4.90	M8	ug/L			10 - 130		30		
2,4-Dichlorophenol	<4.95		49.0	39.3		ug/L		80	38 - 120	9	30		
Diethyl phthalate	<4.95		49.0	39.5		ug/L		81	53 - 128	10	28		
2,4-Dimethylphenol	<4.95		49.0	42.0		ug/L		86	11 - 130	8	48		
Dimethyl phthalate	<4.95		49.0	40.9		ug/L		83	53 - 127	10	27		
4,6-Dinitro-2-methylphenol	<12.9		49.0	50.5		ug/L		103	10 - 157	12	34		

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11K3448-MSD1

Matrix: Water

Analysis Batch: 11K3448

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11K3448\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
2,4-Dinitrophenol	<12.9		49.0	62.9		ug/L		128	10 - 176	11		31
2,6-Dinitrotoluene	<4.95		49.0	42.0		ug/L		86	54 - 128	13		29
2,4-Dinitrotoluene	<4.95		49.0	42.0		ug/L		86	46 - 134	13		26
Di-n-octyl phthalate	<4.95		49.0	45.5		ug/L		93	50 - 142	11		28
Bis(2-ethylhexyl)phthalate	<4.95		49.0	43.7		ug/L		89	44 - 138	12		28
Fluoranthene	<0.990		49.0	42.4		ug/L		87	56 - 120	12		28
Fluorene	1.17		49.0	42.1		ug/L		84	52 - 120	11		28
Hexachlorobenzene	<4.95		49.0	42.1		ug/L		86	48 - 131	12		28
Hexachlorobutadiene	<4.95		49.0	37.7		ug/L		77	24 - 120	11		43
Hexachlorocyclopentadiene	<4.95		49.0	24.1		ug/L		49	10 - 120	15		43
Hexachloroethane	<4.95		49.0	38.0		ug/L		77	26 - 120	5		45
Indeno (1,2,3-cd) pyrene	<0.990		49.0	43.3		ug/L		88	50 - 136	11		27
Isophorone	<4.95		49.0	37.0		ug/L		75	42 - 120	8		31
2-Methylnaphthalene	<0.990		49.0	37.9		ug/L		77	31 - 120	10		35
2-Methylphenol	<4.95		49.0	33.7		ug/L		69	36 - 120	8		32
Naphthalene	<0.990		49.0	40.5		ug/L		83	32 - 120	8		37
3/4-Methylphenol	<4.95		49.0	30.1		ug/L		61	32 - 120	8		34
3-Nitroaniline	<12.9		49.0	46.0		ug/L		94	38 - 121	10		26
2-Nitroaniline	<12.9		49.0	49.0		ug/L		100	46 - 131	9		24
4-Nitroaniline	<12.9		49.0	46.8		ug/L		96	47 - 124	17		26
Nitrobenzene	<4.95		49.0	36.2		ug/L		74	36 - 120	7		28
4-Nitrophenol	<4.95		49.0	20.9	J	ug/L		43	10 - 120	6		38
2-Nitrophenol	<4.95		49.0	46.4		ug/L		95	32 - 120			31
N-Nitrosodiphenylamine	<4.95		49.0	50.7		ug/L		103	45 - 149	11		26
N-Nitrosodi-n-propylamine	<4.95		49.0	44.0		ug/L		90	50 - 121	6		37
Pentachlorophenol	<12.9		49.0	55.1		ug/L		112	21 - 159	15		31
Phenanthrene	<0.990		49.0	41.5		ug/L		85	53 - 120	12		26
Phenol	<4.95		49.0	18.9		ug/L		39	10 - 120	3		42
Pyrene	<0.990		49.0	41.4		ug/L		84	50 - 129	12		29
1,2,4-Trichlorobenzene	<4.95		49.0	30.6		ug/L		62	27 - 120	11		35
2,4,6-Trichlorophenol	<4.95		49.0	44.9		ug/L		92	39 - 135	11		40
2,4,5-Trichlorophenol	<12.9		49.0	41.0		ug/L		84	40 - 129	10		34

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
Terphenyl-d14	83		13 - 120
2,4,6-Tribromophenol	80		10 - 120
Phenol-d5	29		10 - 120
2-Fluorobiphenyl	72		29 - 120
2-Fluorophenol	47		10 - 120
Nitrobenzene-d5	83		27 - 120

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

Lab Sample ID: 11K3132-BLK1

Matrix: Water

Analysis Batch: U020037

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11K3132\_P

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 11K3132-BLK1**

**Matrix: Water**

**Analysis Batch: U020037**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3132\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
alpha-BHC	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
beta-BHC	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
gamma-BHC (Lindane)	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
alpha-Chlordane	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
gamma-Chlordane	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
Chlordane	<1.00		2.00	1.00	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
4,4'-DDD	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
4,4'-DDE	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
4,4'-DDT	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
Dieldrin	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
Endosulfan I	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
Endosulfan II	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
Endosulfan sulfate	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
Endrin	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
Endrin aldehyde	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
Endrin ketone	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
Heptachlor	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
Heptachlor epoxide	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
Methoxychlor	<0.0130		0.0250	0.0130	ug/L		11/12/11 14:15	11/14/11 12:26	1.00
Toxaphene	<1.00		2.00	1.00	ug/L		11/12/11 14:15	11/14/11 12:26	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	112		38 - 150	11/12/11 14:15	11/14/11 12:26	1.00
Decachlorobiphenyl	134		10 - 141	11/12/11 14:15	11/14/11 12:26	1.00

**Lab Sample ID: 11K3132-BS1**

**Matrix: Water**

**Analysis Batch: U020037**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3132\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aldrin	0.500	0.360	MNR1	ug/L		72	38 - 128
delta-BHC	0.500	0.400	MNR1	ug/L		80	35 - 145
alpha-BHC	0.500	0.415	MNR1	ug/L		83	47 - 136
beta-BHC	0.500	0.420	MNR1	ug/L		84	50 - 140
gamma-BHC (Lindane)	0.500	0.420	MNR1	ug/L		84	50 - 138
alpha-Chlordane	0.500	0.440	MNR1	ug/L		88	49 - 137
gamma-Chlordane	0.500	0.440	MNR1	ug/L		88	46 - 143
4,4'-DDD	0.500	0.470	MNR1	ug/L		94	51 - 150
4,4'-DDE	0.500	0.470	MNR1	ug/L		94	49 - 138
4,4'-DDT	0.500	0.490	MNR1	ug/L		98	33 - 150
Dieldrin	0.500	0.430	MNR1	ug/L		86	49 - 136
Endosulfan I	0.500	0.415	MNR1	ug/L		83	10 - 150
Endosulfan II	0.500	0.425	MNR1	ug/L		85	11 - 150
Endosulfan sulfate	0.500	0.460	MNR1	ug/L		92	43 - 150
Endrin	0.500	0.465	MNR1	ug/L		93	54 - 150
Endrin aldehyde	0.500	0.470	MNR1	ug/L		94	50 - 150
Endrin ketone	0.500	0.460	MNR1	ug/L		92	50 - 147
Heptachlor	0.500	0.360	MNR1	ug/L		72	43 - 146

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 11K3132-BS1**

**Matrix: Water**

**Analysis Batch: U020037**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3132\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Heptachlor epoxide	0.500	0.425	MNR1	ug/L		85	50 - 136	
Methoxychlor	0.500	0.465	MNR1	ug/L		93	35 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	116		38 - 150
Decachlorobiphenyl	177	Z1	10 - 141

**Lab Sample ID: 11K3132-BS2**

**Matrix: Water**

**Analysis Batch: U020037**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3132\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Chlordane	5.00	4.80	MNR1	ug/L		96	49 - 150	
Toxaphene	10.0	12.8	MNR1	ug/L		128	34 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	139		38 - 150
Decachlorobiphenyl	136		10 - 141

**Lab Sample ID: 11K3145-BLK1**

**Matrix: Soil**

**Analysis Batch: U020129**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3145\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
delta-BHC	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
alpha-BHC	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
beta-BHC	<0.000840		0.00330	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
gamma-BHC (Lindane)	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
alpha-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
gamma-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
Chlordane	<0.0333		0.0667	0.0333	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
4,4'-DDD	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
4,4'-DDE	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
4,4'-DDT	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
Dieldrin	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
Endosulfan I	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
Endosulfan II	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
Endosulfan sulfate	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
Endrin	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
Endrin aldehyde	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
Endrin ketone	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
Heptachlor	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
Heptachlor epoxide	<0.000840		0.00170	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
Methoxychlor	<0.000840		0.00330	0.000840	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00
Toxaphene	<0.0422		0.0667	0.0422	mg/kg wet		11/14/11 08:25	11/15/11 16:54	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	114		21 - 145	11/14/11 08:25	11/15/11 16:54	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 11K3145-BLK1**  
**Matrix: Soil**  
**Analysis Batch: U020129**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K3145\_P**

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Decachlorobiphenyl	124		25 - 150	11/14/11 08:25	11/15/11 16:54	1.00

**Lab Sample ID: 11K3145-BS1**  
**Matrix: Soil**  
**Analysis Batch: U020129**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11K3145\_P**

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
Aldrin	0.0167	0.0130		mg/kg wet		78		47 - 132
delta-BHC	0.0167	0.0123		mg/kg wet		74		10 - 149
alpha-BHC	0.0167	0.0130		mg/kg wet		78		45 - 128
beta-BHC	0.0167	0.0133		mg/kg wet		80		48 - 135
gamma-BHC (Lindane)	0.0167	0.0133		mg/kg wet		80		48 - 131
alpha-Chlordane	0.0167	0.0133		mg/kg wet		80		47 - 134
gamma-Chlordane	0.0167	0.0133		mg/kg wet		80		48 - 145
4,4'-DDD	0.0167	0.0137		mg/kg wet		82		46 - 149
4,4'-DDE	0.0167	0.0137		mg/kg wet		82		48 - 139
4,4'-DDT	0.0167	0.0133		mg/kg wet		80		24 - 150
Dieldrin	0.0167	0.0133		mg/kg wet		80		42 - 137
Endosulfan I	0.0167	0.0133		mg/kg wet		80		10 - 150
Endosulfan II	0.0167	0.0133		mg/kg wet		80		12 - 150
Endosulfan sulfate	0.0167	0.0147		mg/kg wet		88		36 - 148
Endrin	0.0167	0.0143		mg/kg wet		86		46 - 145
Endrin aldehyde	0.0167	0.0150		mg/kg wet		90		48 - 150
Endrin ketone	0.0167	0.0147		mg/kg wet		88		43 - 150
Heptachlor	0.0167	0.0130		mg/kg wet		78		45 - 140
Heptachlor epoxide	0.0167	0.0133		mg/kg wet		80		47 - 133
Methoxychlor	0.0167	0.0143		mg/kg wet		86		23 - 150

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	118		21 - 145
Decachlorobiphenyl	132		25 - 150

**Lab Sample ID: 11K3145-BS2**  
**Matrix: Soil**  
**Analysis Batch: U020129**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11K3145\_P**

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
Chlordane	0.167	0.145		mg/kg wet		87		50 - 150
Toxaphene	0.333	0.321		mg/kg wet		96		10 - 150

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	118		21 - 145
Decachlorobiphenyl	149		25 - 150



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 11K3145-MS1**

**Matrix: Soil**

**Analysis Batch: U020129**

**Client Sample ID: Tract 35 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 11K3145\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier				%Rec.	
Aldrin	<0.00146		0.0293	0.0217		mg/kg dry	☼	74	11 - 140	
delta-BHC	<0.00146		0.0293	0.0193		mg/kg dry	☼	66	10 - 149	
alpha-BHC	<0.00146		0.0293	0.0205		mg/kg dry	☼	70	23 - 138	
beta-BHC	<0.00146		0.0293	0.0211		mg/kg dry	☼	72	12 - 179	
gamma-BHC (Lindane)	<0.00146		0.0293	0.0205		mg/kg dry	☼	70	24 - 145	
alpha-Chlordane	<0.00146		0.0293	0.0193		mg/kg dry	☼	66	10 - 140	
gamma-Chlordane	<0.00146		0.0293	0.0193		mg/kg dry	☼	66	10 - 150	
4,4'-DDD	<0.00146		0.0293	0.0193		mg/kg dry	☼	66	10 - 154	
4,4'-DDE	<0.00146		0.0293	0.0205		mg/kg dry	☼	70	14 - 139	
4,4'-DDT	<0.00146		0.0293	0.0187		mg/kg dry	☼	64	10 - 152	
Dieldrin	<0.00146		0.0293	0.0199		mg/kg dry	☼	68	10 - 148	
Endosulfan I	<0.00146		0.0293	0.0199		mg/kg dry	☼	68	10 - 158	
Endosulfan II	<0.00146		0.0293	0.0193		mg/kg dry	☼	66	10 - 152	
Endosulfan sulfate	<0.00146		0.0293	0.0211		mg/kg dry	☼	72	10 - 148	
Endrin	<0.00146		0.0293	0.0217		mg/kg dry	☼	74	20 - 145	
Endrin aldehyde	<0.00146		0.0293	0.0135		mg/kg dry	☼	46	13 - 167	
Endrin ketone	<0.00146		0.0293	0.0217		mg/kg dry	☼	74	13 - 150	
Heptachlor	<0.00146		0.0293	0.0217		mg/kg dry	☼	74	10 - 161	
Heptachlor epoxide	<0.00146		0.0293	0.0205		mg/kg dry	☼	70	15 - 139	
Methoxychlor	<0.00146		0.0293	0.0211		mg/kg dry	☼	72	10 - 175	
		<b>Matrix Spike</b>	<b>Matrix Spike</b>							
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
Tetrachloro-meta-xylene		96		21 - 145						
Decachlorobiphenyl		106		25 - 150						

**Lab Sample ID: 11K3145-MSD1**

**Matrix: Soil**

**Analysis Batch: U020129**

**Client Sample ID: Tract 35 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 11K3145\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Aldrin	<0.00146		0.0290	0.0237		mg/kg dry	☼	82	11 - 140	9	50	
delta-BHC	<0.00146		0.0290	0.0203		mg/kg dry	☼	70	10 - 149	5	50	
alpha-BHC	<0.00146		0.0290	0.0220		mg/kg dry	☼	76	23 - 138	7	50	
beta-BHC	<0.00146		0.0290	0.0226		mg/kg dry	☼	78	12 - 179	7	50	
gamma-BHC (Lindane)	<0.00146		0.0290	0.0220		mg/kg dry	☼	76	24 - 145	7	50	
alpha-Chlordane	<0.00146		0.0290	0.0203		mg/kg dry	☼	70	10 - 140	5	50	
gamma-Chlordane	<0.00146		0.0290	0.0203		mg/kg dry	☼	70	10 - 150	5	50	
4,4'-DDD	<0.00146		0.0290	0.0203		mg/kg dry	☼	70	10 - 154	5	50	
4,4'-DDE	<0.00146		0.0290	0.0214		mg/kg dry	☼	74	14 - 139	4	50	
4,4'-DDT	<0.00146		0.0290	0.0191		mg/kg dry	☼	66	10 - 152	2	50	
Dieldrin	<0.00146		0.0290	0.0208		mg/kg dry	☼	72	10 - 148	5	50	
Endosulfan I	<0.00146		0.0290	0.0208		mg/kg dry	☼	72	10 - 158	5	50	
Endosulfan II	<0.00146		0.0290	0.0203		mg/kg dry	☼	70	10 - 152	5	50	
Endosulfan sulfate	<0.00146		0.0290	0.0220		mg/kg dry	☼	76	10 - 148	4	50	
Endrin	<0.00146		0.0290	0.0226		mg/kg dry	☼	78	20 - 145	4	50	
Endrin aldehyde	<0.00146		0.0290	0.0145		mg/kg dry	☼	50	13 - 167	7	50	
Endrin ketone	<0.00146		0.0290	0.0226		mg/kg dry	☼	78	13 - 150	4	50	
Heptachlor	<0.00146		0.0290	0.0232		mg/kg dry	☼	80	10 - 161	7	50	
Heptachlor epoxide	<0.00146		0.0290	0.0214		mg/kg dry	☼	74	15 - 139	4	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

Lab Sample ID: 11K3145-MSD1

Matrix: Soil

Analysis Batch: U020129

Client Sample ID: Tract 35 SB-1 (0-2)

Prep Type: Total

Prep Batch: 11K3145\_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methoxychlor	<0.00146		0.0290	0.0214		mg/kg dry	✱	74	10 - 175	2	50
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
Tetrachloro-meta-xylene	100		21 - 145								
Decachlorobiphenyl	106		25 - 150								

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

Lab Sample ID: 11K3142-BLK1

Matrix: Water

Analysis Batch: U020167

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11K3142\_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.250		0.500	0.250	ug/L		11/12/11 13:30	11/15/11 19:08	1.00
PCB-1221	<0.250		0.500	0.250	ug/L		11/12/11 13:30	11/15/11 19:08	1.00
PCB-1232	<0.250		0.500	0.250	ug/L		11/12/11 13:30	11/15/11 19:08	1.00
PCB-1242	<0.250		0.500	0.250	ug/L		11/12/11 13:30	11/15/11 19:08	1.00
PCB-1248	<0.250		0.500	0.250	ug/L		11/12/11 13:30	11/15/11 19:08	1.00
PCB-1254	<0.250		0.500	0.250	ug/L		11/12/11 13:30	11/15/11 19:08	1.00
PCB-1260	<0.250		0.500	0.250	ug/L		11/12/11 13:30	11/15/11 19:08	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	103		17 - 142				11/12/11 13:30	11/15/11 19:08	1.00
Decachlorobiphenyl	96		10 - 149				11/12/11 13:30	11/15/11 19:08	1.00

Lab Sample ID: 11K3142-BS1

Matrix: Water

Analysis Batch: U020167

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11K3142\_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1254	5.00	4.77	MNR1	ug/L		95	11 - 150
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				
Tetrachloro-meta-xylene	90		17 - 142				
Decachlorobiphenyl	79		10 - 149				

Lab Sample ID: 11K3146-BLK1

Matrix: Soil

Analysis Batch: U020041

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11K3146\_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0210		0.0333	0.0210	mg/kg wet		11/14/11 09:00	11/15/11 07:33	1.00
PCB-1221	<0.0110		0.0333	0.0110	mg/kg wet		11/14/11 09:00	11/15/11 07:33	1.00
PCB-1232	<0.0160		0.0333	0.0160	mg/kg wet		11/14/11 09:00	11/15/11 07:33	1.00
PCB-1242	<0.0260		0.0333	0.0260	mg/kg wet		11/14/11 09:00	11/15/11 07:33	1.00
PCB-1248	<0.0300		0.0333	0.0300	mg/kg wet		11/14/11 09:00	11/15/11 07:33	1.00
PCB-1254	<0.0110		0.0333	0.0110	mg/kg wet		11/14/11 09:00	11/15/11 07:33	1.00
PCB-1260	<0.0280		0.0333	0.0280	mg/kg wet		11/14/11 09:00	11/15/11 07:33	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A (Continued)

**Lab Sample ID: 11K3146-BLK1**  
**Matrix: Soil**  
**Analysis Batch: U020041**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K3146\_P**

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-meta-xylene	106		19 - 147	11/14/11 09:00	11/15/11 07:33	1.00
Decachlorobiphenyl	98		20 - 150	11/14/11 09:00	11/15/11 07:33	1.00

**Lab Sample ID: 11K3146-BS1**  
**Matrix: Soil**  
**Analysis Batch: U020041**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11K3146\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1254	0.167	0.195		mg/kg wet		117	72 - 137

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	106		19 - 147
Decachlorobiphenyl	100		20 - 150

**Lab Sample ID: 11K3146-MS1**  
**Matrix: Soil**  
**Analysis Batch: U020041**

**Client Sample ID: Tract 35 SB-4 (10-14)**  
**Prep Type: Total**  
**Prep Batch: 11K3146\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
PCB-1254	<0.0134		0.201	0.208		mg/kg dry	☼	104	32 - 160

Surrogate	Matrix Spike		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	86		19 - 147
Decachlorobiphenyl	88		20 - 150

**Lab Sample ID: 11K3146-MSD1**  
**Matrix: Soil**  
**Analysis Batch: U020041**

**Client Sample ID: Tract 35 SB-4 (10-14)**  
**Prep Type: Total**  
**Prep Batch: 11K3146\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1254	<0.0134		0.202	0.228		mg/kg dry	☼	113	32 - 160	9	37

Surrogate	Matrix Spike Dup		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	98		19 - 147
Decachlorobiphenyl	98		20 - 150

## Method: SW846 6010C - Total Metals by EPA 6010C

**Lab Sample ID: 11K3384-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11K3384**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K3384\_P**

Analyte	Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		11/16/11 06:10	11/16/11 13:11	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3384-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3384**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3384\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.000600		0.00100	0.000600	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Calcium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Magnesium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Potassium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Sodium	0.602	J	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 13:11	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 13:11	1.00

**Lab Sample ID: 11K3384-BS1**

**Matrix: Water**

**Analysis Batch: 11K3384**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3384\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.94		mg/L		97	80 - 120
Antimony	0.100	0.109		mg/L		109	80 - 120
Arsenic	0.0500	0.0484		mg/L		97	80 - 120
Barium	2.00	2.06		mg/L		103	80 - 120
Beryllium	0.0500	0.0495		mg/L		99	80 - 120
Cadmium	0.0500	0.0507		mg/L		101	80 - 120
Calcium	5.00	5.21		mg/L		104	80 - 120
Chromium	0.200	0.199		mg/L		99	80 - 120
Cobalt	0.500	0.500		mg/L		100	80 - 120
Copper	0.250	0.243		mg/L		97	80 - 120
Iron	1.00	0.959		mg/L		96	80 - 120
Lead	0.0500	0.0517		mg/L		103	80 - 120
Magnesium	5.00	5.14		mg/L		103	80 - 120
Manganese	0.500	0.507		mg/L		101	80 - 120
Nickel	0.500	0.507		mg/L		101	80 - 120
Potassium	5.00	4.86		mg/L		97	80 - 120
Selenium	0.0500	0.0512		mg/L		102	80 - 120
Silver	0.0500	0.0498		mg/L		100	80 - 120
Sodium	5.00	5.15	B	mg/L		103	80 - 120
Thallium	0.0500	0.0497		mg/L		99	80 - 120
Vanadium	0.500	0.482		mg/L		96	80 - 120
Zinc	0.500	0.486		mg/L		97	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3384-BSD1**

**Matrix: Water**

**Analysis Batch: 11K3384**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3384\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Aluminum	2.00	1.96		mg/L		98	80 - 120	0.9	20	
Antimony	0.100	0.110		mg/L		110	80 - 120	0.5	20	
Arsenic	0.0500	0.0484		mg/L		97	80 - 120	0	20	
Barium	2.00	2.08		mg/L		104	80 - 120	1	20	
Beryllium	0.0500	0.0502		mg/L		100	80 - 120	1	20	
Cadmium	0.0500	0.0509		mg/L		102	80 - 120	0.4	20	
Calcium	5.00	5.28		mg/L		106	80 - 120	1	20	
Chromium	0.200	0.201		mg/L		100	80 - 120	0.9	20	
Cobalt	0.500	0.506		mg/L		101	80 - 120	1	20	
Copper	0.250	0.250		mg/L		100	80 - 120	3	20	
Iron	1.00	0.975		mg/L		98	80 - 120	2	20	
Lead	0.0500	0.0516		mg/L		103	80 - 120	0.2	20	
Magnesium	5.00	5.28		mg/L		106	80 - 120	3	20	
Manganese	0.500	0.517		mg/L		103	80 - 120	2	20	
Nickel	0.500	0.511		mg/L		102	80 - 120	0.8	20	
Potassium	5.00	4.87		mg/L		97	80 - 120	0.3	20	
Selenium	0.0500	0.0529		mg/L		106	80 - 120	3	20	
Silver	0.0500	0.0503		mg/L		101	80 - 120	1	20	
Sodium	5.00	5.15	B	mg/L		103	80 - 120	0	20	
Thallium	0.0500	0.0498		mg/L		100	80 - 120	0.2	20	
Vanadium	0.500	0.488		mg/L		98	80 - 120	1	20	
Zinc	0.500	0.488		mg/L		98	80 - 120	0.5	20	

**Lab Sample ID: 11K3384-MS1**

**Matrix: Water**

**Analysis Batch: 11K3384**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3384\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	43.7		2.00	48.0	M4	mg/L		217	75 - 125	
Antimony	0.0670		0.100	0.179	M4	mg/L		112	75 - 125	
Arsenic	<0.0500		0.0500	<0.0500	M4	mg/L			75 - 125	
Barium	16.0		2.00	20.9	M4	mg/L		248	75 - 125	
Beryllium	<0.0200		0.0500	0.0610	M4	mg/L		122	75 - 125	
Cadmium	0.0540		0.0500	0.115	M4	mg/L		122	75 - 125	
Calcium	468		5.00	473	M4	mg/L		96	75 - 125	
Chromium	1.05		0.200	1.32	M4	mg/L		138	75 - 125	
Cobalt	0.189		0.500	0.774	M4	mg/L		117	75 - 125	
Copper	17.5		0.250	24.5	M4	mg/L		2800	75 - 125	
Iron	531		1.00	542	M4	mg/L		1160	75 - 125	
Lead	1.65		0.0500	1.76	M4	mg/L		232	75 - 125	
Magnesium	18.8		5.00	24.7	M4	mg/L		119	75 - 125	
Manganese	12.7		0.500	13.5	M4	mg/L		160	75 - 125	
Nickel	1.32		0.500	1.95	M4	mg/L		125	75 - 125	
Potassium	99.6		5.00	105	M4	mg/L		101	75 - 125	
Selenium	<0.0500		0.0500	0.0620	M4 J	mg/L		124	75 - 125	
Silver	0.714		0.0500	0.927	M4	mg/L		426	75 - 125	
Sodium	1390		5.00	1380	M4 B	mg/L		-260	75 - 125	
Thallium	<0.0500		0.0500	0.0510	M4 J	mg/L		102	75 - 125	
Vanadium	0.185		0.500	0.751	M4	mg/L		113	75 - 125	
Zinc	29.2		0.500	36.1	M4	mg/L		1380	75 - 125	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3384-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3384**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3384\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aluminum	43.7		2.00	47.1	M4	mg/L		172	75 - 125	2	20	
Antimony	0.0670		0.100	0.161	M4	mg/L		94	75 - 125	11	20	
Arsenic	<0.0500		0.0500	<0.0500	M4	mg/L			75 - 125		20	
Barium	16.0		2.00	22.8	M4	mg/L		340	75 - 125	8	20	
Beryllium	<0.0200		0.0500	0.0580	M4	mg/L		116	75 - 125	5	20	
Cadmium	0.0540		0.0500	0.110	M4	mg/L		112	75 - 125	4	20	
Calcium	468		5.00	438	M4	mg/L		-596	75 - 125	8	20	
Chromium	1.05		0.200	1.32	M4	mg/L		137	75 - 125	0.08	20	
Cobalt	0.189		0.500	0.725	M4	mg/L		107	75 - 125	7	20	
Copper	17.5		0.250	24.8	M4	mg/L		2950	75 - 125	2	20	
Iron	531		1.00	517	M4	mg/L		-1390	75 - 125	5	20	
Lead	1.65		0.0500	1.72	M4	mg/L		148	75 - 125	2	20	
Magnesium	18.8		5.00	23.9	M4	mg/L		103	75 - 125	3	20	
Manganese	12.7		0.500	12.8	M4	mg/L		22	75 - 125	5	20	
Nickel	1.32		0.500	1.84	M4	mg/L		104	75 - 125	5	20	
Potassium	99.6		5.00	97.3	M4	mg/L		-46	75 - 125	7	20	
Selenium	<0.0500		0.0500	0.0590	M4 J	mg/L		118	75 - 125	5	20	
Silver	0.714		0.0500	1.02	M4	mg/L		606	75 - 125	9	20	
Sodium	1390		5.00	1270	M4 B	mg/L		-2400	75 - 125	8	20	
Thallium	<0.0500		0.0500	<0.0500	M4	mg/L			75 - 125		20	
Vanadium	0.185		0.500	0.704	M4	mg/L		104	75 - 125	6	20	
Zinc	29.2		0.500	34.2	M4	mg/L		1010	75 - 125	5	20	

**Lab Sample ID: 11K3651-BLK1**

**Matrix: Soil**

**Analysis Batch: 11K3651**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3651\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<9.52		19.0	9.52	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Antimony	<4.76		9.52	4.76	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Arsenic	<0.476		0.952	0.476	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Barium	<0.952		1.90	0.952	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Beryllium	<0.476		0.952	0.476	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Cadmium	<0.476		0.952	0.476	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Calcium	<47.6		95.2	47.6	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Chromium	<0.476		0.952	0.476	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Cobalt	<1.43		2.86	1.43	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Copper	<0.952		1.90	0.952	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Iron	9.73	B	9.52	4.76	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Lead	<0.476		0.952	0.476	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Magnesium	<47.6		95.2	47.6	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Manganese	<1.43		2.86	1.43	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Nickel	<0.952		1.90	0.952	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Potassium	<47.6		95.2	47.6	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Selenium	<0.952		1.90	0.952	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Silver	<0.476		0.952	0.476	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Sodium	<95.2		190	95.2	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Thallium	<0.952		1.90	0.952	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Vanadium	<4.76		9.52	4.76	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00
Zinc	<4.76		9.52	4.76	mg/kg wet		11/16/11 06:39	11/16/11 18:16	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3651-BS1**

**Matrix: Soil**

**Analysis Batch: 11K3651**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3651\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	762	751		mg/kg wet		99	80 - 120	
Antimony	38.1	42.8		mg/kg wet		112	80 - 120	
Arsenic	19.0	18.7		mg/kg wet		98	80 - 120	
Barium	762	799		mg/kg wet		105	80 - 120	
Beryllium	19.0	19.0		mg/kg wet		100	80 - 120	
Cadmium	19.0	19.7		mg/kg wet		103	80 - 120	
Calcium	1900	1970		mg/kg wet		104	80 - 120	
Chromium	76.2	76.3		mg/kg wet		100	80 - 120	
Cobalt	190	199		mg/kg wet		105	80 - 120	
Copper	95.2	96.4		mg/kg wet		101	80 - 120	
Iron	381	378	B	mg/kg wet		99	80 - 120	
Lead	19.0	20.5		mg/kg wet		108	80 - 120	
Magnesium	1900	2000		mg/kg wet		105	80 - 120	
Manganese	190	200		mg/kg wet		105	80 - 120	
Nickel	190	202		mg/kg wet		106	80 - 120	
Potassium	1900	1900		mg/kg wet		100	80 - 120	
Selenium	19.0	19.2		mg/kg wet		101	80 - 120	
Silver	19.0	19.0		mg/kg wet		100	75 - 125	
Sodium	1900	1930		mg/kg wet		101	80 - 120	
Thallium	19.0	17.7		mg/kg wet		93	80 - 120	
Vanadium	190	194		mg/kg wet		102	80 - 120	
Zinc	190	191		mg/kg wet		100	80 - 120	

**Lab Sample ID: 11K3651-BSD1**

**Matrix: Soil**

**Analysis Batch: 11K3651**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3651\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Aluminum	763	754		mg/kg wet		99	80 - 120	0.5	20	
Antimony	38.2	42.9		mg/kg wet		112	80 - 120	0.2	20	
Arsenic	19.1	18.8		mg/kg wet		98	80 - 120	0.2	20	
Barium	763	797		mg/kg wet		104	80 - 120	0.2	20	
Beryllium	19.1	19.1		mg/kg wet		100	80 - 120	0.8	20	
Cadmium	19.1	19.5		mg/kg wet		102	80 - 120	1	20	
Chromium	76.3	76.0		mg/kg wet		100	80 - 120	0.3	20	
Cobalt	191	200		mg/kg wet		105	80 - 120	0.5	20	
Copper	95.4	97.5		mg/kg wet		102	80 - 120	1	20	
Iron	382	384	B	mg/kg wet		101	80 - 120	2	20	
Lead	19.1	20.6		mg/kg wet		108	80 - 120	0.7	20	
Magnesium	1910	2020		mg/kg wet		106	80 - 120	1	20	
Manganese	191	199		mg/kg wet		104	80 - 120	0.3	20	
Nickel	191	203		mg/kg wet		106	80 - 120	0.3	20	
Potassium	1910	1910		mg/kg wet		100	80 - 120	0.6	20	
Selenium	19.1	19.1		mg/kg wet		100	80 - 120	0.4	20	
Silver	19.1	19.0		mg/kg wet		100	75 - 125	0.3	20	
Sodium	1910	1940		mg/kg wet		102	80 - 120	0.8	20	
Thallium	19.1	17.8		mg/kg wet		93	80 - 120	0.5	20	
Vanadium	191	195		mg/kg wet		102	80 - 120	0.7	20	
Zinc	191	198		mg/kg wet		104	80 - 120	3	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3651-BSD1**

**Matrix: Soil**

**Analysis Batch: 11K3651**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11K3651\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	1910	2050		mg/kg wet		107	80 - 120	4	20

**Lab Sample ID: 11K3651-MS1**

**Matrix: Soil**

**Analysis Batch: 11K3651**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3651\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1380		907	4140	M7	mg/kg dry	☼	305	75 - 125
Antimony	<5.76		45.3	47.2		mg/kg dry	☼	104	75 - 125
Arsenic	3.64		22.7	24.8		mg/kg dry	☼	93	75 - 125
Barium	49.1		907	935		mg/kg dry	☼	98	75 - 125
Beryllium	<0.576		22.7	22.6		mg/kg dry	☼	100	75 - 125
Cadmium	<0.576		22.7	22.4		mg/kg dry	☼	99	75 - 125
Calcium	57800		2270	54600	MHA	mg/kg dry	☼	-139	75 - 125
Chromium	1.08		90.7	89.9		mg/kg dry	☼	98	75 - 125
Cobalt	2.76		227	249		mg/kg dry	☼	109	75 - 125
Copper	3.59		113	117		mg/kg dry	☼	100	75 - 125
Iron	2640		453	3830	MHA B	mg/kg dry	☼	262	75 - 125
Lead	14.7		22.7	34.6		mg/kg dry	☼	88	75 - 125
Magnesium	1210		2270	3940		mg/kg dry	☼	120	75 - 125
Manganese	186		227	401		mg/kg dry	☼	95	75 - 125
Nickel	1.36		227	251		mg/kg dry	☼	110	75 - 125
Potassium	705		2270	3230		mg/kg dry	☼	111	75 - 125
Selenium	<1.15		22.7	21.5		mg/kg dry	☼	95	75 - 125
Silver	<0.576		22.7	22.6		mg/kg dry	☼	100	75 - 125
Sodium	369		2270	2550		mg/kg dry	☼	96	75 - 125
Thallium	<1.15		22.7	20.7		mg/kg dry	☼	92	75 - 125
Vanadium	8.73		227	234		mg/kg dry	☼	99	75 - 125
Zinc	17.0		227	246		mg/kg dry	☼	101	75 - 125

**Lab Sample ID: 11K3651-MSD1**

**Matrix: Soil**

**Analysis Batch: 11K3651**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3651\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	1380		905	3600	M7	mg/kg dry	☼	245	75 - 125	14	20
Antimony	<5.76		45.3	48.2		mg/kg dry	☼	106	75 - 125	2	20
Arsenic	3.64		22.6	24.9		mg/kg dry	☼	94	75 - 125	0.5	20
Barium	49.1		905	955		mg/kg dry	☼	100	75 - 125	2	20
Beryllium	<0.576		22.6	23.0		mg/kg dry	☼	102	75 - 125	2	20
Cadmium	<0.576		22.6	22.5		mg/kg dry	☼	100	75 - 125	0.4	20
Calcium	57800		2260	69000	MHA	mg/kg dry	☼	496	75 - 125	23	20
Chromium	1.08		90.5	89.6		mg/kg dry	☼	98	75 - 125	0.3	20
Cobalt	2.76		226	248		mg/kg dry	☼	108	75 - 125	0.7	20
Copper	3.59		113	118		mg/kg dry	☼	101	75 - 125	0.8	20
Iron	2640		453	3440	MHA B	mg/kg dry	☼	178	75 - 125	11	20
Lead	14.7		22.6	34.2		mg/kg dry	☼	86	75 - 125	1	20
Magnesium	1210		2260	3850		mg/kg dry	☼	117	75 - 125	2	20
Manganese	186		226	409		mg/kg dry	☼	99	75 - 125	2	20
Nickel	1.36		226	250		mg/kg dry	☼	110	75 - 125	0.5	20



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11K3651-MSD1**  
**Matrix: Soil**  
**Analysis Batch: 11K3651**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11K3651\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
Potassium	705		2260	3190		mg/kg dry	*	110	75 - 125	1		20
Selenium	<1.15		22.6	21.8		mg/kg dry	*	96	75 - 125	2		20
Silver	<0.576		22.6	22.9		mg/kg dry	*	101	75 - 125	1		20
Sodium	369		2260	2720		mg/kg dry	*	104	75 - 125	6		20
Thallium	<1.15		22.6	20.8		mg/kg dry	*	92	75 - 125	0.1		20
Vanadium	8.73		226	234		mg/kg dry	*	99	75 - 125	0.1		20
Zinc	17.0		226	243		mg/kg dry	*	100	75 - 125	0.9		20

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 11K3440-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11K3440**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3440\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Calcium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Magnesium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Potassium	<0.500		1.00	0.500	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Sodium	0.789	J	1.00	0.500	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		11/16/11 06:10	11/16/11 14:48	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		11/16/11 06:10	11/16/11 14:48	1.00

**Lab Sample ID: 11K3440-BS1**  
**Matrix: Water**  
**Analysis Batch: 11K3440**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3440\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Aluminum	2.00	1.91		mg/L		95	80 - 120
Antimony	0.100	0.113		mg/L		113	80 - 120
Arsenic	0.0500	0.0461		mg/L		92	80 - 120
Barium	2.00	2.13		mg/L		106	80 - 120
Beryllium	0.0500	0.0507		mg/L		101	80 - 120
Cadmium	0.0500	0.0496		mg/L		99	80 - 120
Calcium	5.00	5.12		mg/L		102	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11K3440-BS1**  
**Matrix: Water**  
**Analysis Batch: 11K3440**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3440\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chromium	0.200	0.199		mg/L		99	80 - 120
Cobalt	0.500	0.510		mg/L		102	80 - 120
Copper	0.250	0.253		mg/L		101	80 - 120
Iron	1.00	0.978		mg/L		98	80 - 120
Lead	0.0500	0.0520		mg/L		104	80 - 120
Magnesium	5.00	5.02		mg/L		100	80 - 120
Manganese	0.500	0.508		mg/L		102	80 - 120
Nickel	0.500	0.510		mg/L		102	80 - 120
Potassium	5.00	4.80		mg/L		96	80 - 120
Selenium	0.0500	0.0516		mg/L		103	80 - 120
Silver	0.0500	0.0505		mg/L		101	80 - 120
Sodium	5.00	5.14	B	mg/L		103	80 - 120
Thallium	0.0500	0.0512		mg/L		102	80 - 120
Vanadium	0.500	0.488		mg/L		98	80 - 120
Zinc	0.500	0.475		mg/L		95	80 - 120

**Lab Sample ID: 11K3440-MS1**  
**Matrix: Water**  
**Analysis Batch: 11K3440**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3440\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	<0.0500		2.00	1.86		mg/L		93	75 - 125
Antimony	<0.00500		0.100	0.108		mg/L		108	75 - 125
Arsenic	<0.00500		0.0500	0.0482		mg/L		96	75 - 125
Barium	<0.00500		2.00	2.03		mg/L		102	75 - 125
Beryllium	<0.00200		0.0500	0.0490		mg/L		98	75 - 125
Cadmium	<0.000600		0.0500	0.0492		mg/L		98	75 - 125
Calcium	<0.500		5.00	5.04		mg/L		101	75 - 125
Chromium	<0.00250		0.200	0.194		mg/L		97	75 - 125
Cobalt	<0.0100		0.500	0.492		mg/L		98	75 - 125
Copper	<0.00500		0.250	0.244		mg/L		98	75 - 125
Iron	<0.0250		1.00	0.947		mg/L		95	75 - 125
Lead	<0.00250		0.0500	0.0499		mg/L		100	75 - 125
Magnesium	<0.500		5.00	5.00		mg/L		100	75 - 125
Manganese	0.00910		0.500	0.495		mg/L		97	75 - 125
Nickel	<0.00500		0.500	0.500		mg/L		100	75 - 125
Potassium	<0.500		5.00	4.71		mg/L		94	75 - 125
Selenium	<0.00500		0.0500	0.0504		mg/L		101	75 - 125
Silver	<0.00250		0.0500	0.0483		mg/L		97	75 - 125
Sodium	<0.500		5.00	4.97	B	mg/L		99	75 - 125
Thallium	<0.00500		0.0500	0.0483		mg/L		97	75 - 125
Vanadium	<0.0100		0.500	0.474		mg/L		95	75 - 125
Zinc	<0.0250		0.500	0.478		mg/L		96	75 - 125

**Lab Sample ID: 11K3440-MSD1**  
**Matrix: Water**  
**Analysis Batch: 11K3440**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3440\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aluminum	<0.0500		2.00	1.93		mg/L		96	75 - 125	3	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11K3440-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3440**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 11K3440\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Antimony	<0.00500		0.100	0.107		mg/L		107	75 - 125	1	20
Arsenic	<0.00500		0.0500	0.0479		mg/L		96	75 - 125	0.6	20
Barium	<0.00500		2.00	2.04		mg/L		102	75 - 125	0.4	20
Beryllium	<0.00200		0.0500	0.0490		mg/L		98	75 - 125	0	20
Cadmium	<0.000600		0.0500	0.0489		mg/L		98	75 - 125	0.6	20
Calcium	<0.500		5.00	4.97		mg/L		99	75 - 125	1	20
Chromium	<0.00250		0.200	0.194		mg/L		97	75 - 125	0.2	20
Cobalt	<0.0100		0.500	0.491		mg/L		98	75 - 125	0.2	20
Copper	<0.00500		0.250	0.243		mg/L		97	75 - 125	0.7	20
Iron	<0.0250		1.00	0.957		mg/L		96	75 - 125	1	20
Lead	<0.00250		0.0500	0.0501		mg/L		100	75 - 125	0.4	20
Magnesium	<0.500		5.00	5.04		mg/L		101	75 - 125	0.8	20
Manganese	0.00910		0.500	0.494		mg/L		97	75 - 125	0.2	20
Nickel	<0.00500		0.500	0.499		mg/L		100	75 - 125	0.1	20
Potassium	<0.500		5.00	4.74		mg/L		95	75 - 125	0.5	20
Selenium	<0.00500		0.0500	0.0499		mg/L		100	75 - 125	1	20
Silver	<0.00250		0.0500	0.0495		mg/L		99	75 - 125	2	20
Sodium	<0.500		5.00	4.98 B		mg/L		100	75 - 125	0.3	20
Thallium	<0.00500		0.0500	0.0473		mg/L		95	75 - 125	2	20
Vanadium	<0.0100		0.500	0.483		mg/L		97	75 - 125	2	20
Zinc	<0.0250		0.500	0.483		mg/L		97	75 - 125	1	20

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 11K3354-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3354**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3354\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000100		0.000200	0.000100	mg/L		11/14/11 09:00	11/14/11 12:51	1.00

**Lab Sample ID: 11K3354-BS1**

**Matrix: Water**

**Analysis Batch: 11K3354**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3354\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Mercury	0.00100	0.00102		mg/L		102	80 - 120

**Lab Sample ID: 11K3354-MS1**

**Matrix: Water**

**Analysis Batch: 11K3354**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3354\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	<0.000100		0.00100	0.00110		mg/L		110	75 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 11K3354-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3354**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3354\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.00107		mg/L		107	75 - 125	2	20

**Lab Sample ID: 11K3859-BLK1**

**Matrix: Water**

**Analysis Batch: 11K3859**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11K3859\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		11/16/11 08:55	11/16/11 14:46	1.00

**Lab Sample ID: 11K3859-BS1**

**Matrix: Water**

**Analysis Batch: 11K3859**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11K3859\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00100	0.000977		mg/L		98	80 - 120

**Lab Sample ID: 11K3859-MS1**

**Matrix: Water**

**Analysis Batch: 11K3859**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11K3859\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.00103		mg/L		103	75 - 125

**Lab Sample ID: 11K3859-MSD1**

**Matrix: Water**

**Analysis Batch: 11K3859**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11K3859\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.000985		mg/L		99	75 - 125	4	20

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 11K3365-BLK1**

**Matrix: Water**

**Analysis Batch: U020208**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 11K3365\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		11/15/11 09:40	11/15/11 15:31	1.00

**Lab Sample ID: 11K3365-BS1**

**Matrix: Water**

**Analysis Batch: U020208**

**Client Sample ID: Lab Control Sample**

**Prep Type: Dissolved**

**Prep Batch: 11K3365\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00100	0.00106		mg/L		106	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 11K3365-MS1**  
**Matrix: Water**  
**Analysis Batch: U020208**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3365\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.000906		mg/L		91	75 - 125

**Lab Sample ID: 11K3365-MSD1**  
**Matrix: Water**  
**Analysis Batch: U020208**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 11K3365\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.000809		mg/L		81	75 - 125	11	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 11K3655-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 11K3655**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11K3655\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.049		0.098	0.049	mg/kg wet		11/17/11 10:40	11/17/11 13:14	1.0

**Lab Sample ID: 11K3655-BS1**  
**Matrix: Soil**  
**Analysis Batch: 11K3655**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11K3655\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.163	0.16		mg/kg wet		96	80 - 120

**Lab Sample ID: 11K3655-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 11K3655**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 11K3655\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.166	0.16		mg/kg wet		98	80 - 120	3	20

**Lab Sample ID: 11K3655-MS1**  
**Matrix: Soil**  
**Analysis Batch: 11K3655**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11K3655\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	0.060		0.191	0.25		mg/kg dry	☼	101	80 - 120

**Lab Sample ID: 11K3655-MSD1**  
**Matrix: Soil**  
**Analysis Batch: 11K3655**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11K3655\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.060		0.189	0.28		mg/kg dry	☼	116	80 - 120	10	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11K4253-DUP1  
Matrix: Soil  
Analysis Batch: 11K4253

Client Sample ID: Duplicate  
Prep Type: Total  
Prep Batch: 11K4253\_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Dry Solids	94.0		94.1		%		0.06	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## GCMS Volatiles

### Analysis Batch: U020025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K2536-BLK1	Method Blank	Total	Water	SW846 8260B	11K2536_P
11K2536-BS1	Lab Control Sample	Total	Water	SW846 8260B	11K2536_P
11K2536-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	11K2536_P
11K2536-MS1	Matrix Spike	Total	Water	SW846 8260B	11K2536_P
11K2536-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	11K2536_P
NUK1675-11	Trip Blank	Total	Water	SW846 8260B	11K2536_P
NUK1675-12	Trip Blank	Total	Water	SW846 8260B	11K2536_P
NUK1675-13	Trip Blank	Total	Water	SW846 8260B	11K2536_P

### Analysis Batch: U020115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3124-BLK1	Method Blank	Total	Water	SW846 8260B	11K3124_P
11K3124-BS1	Lab Control Sample	Total	Water	SW846 8260B	11K3124_P
11K3124-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	11K3124_P
11K3124-MS1	Matrix Spike	Total	Water	SW846 8260B	11K3124_P
11K3124-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	11K3124_P
NUK1675-03	Tract 35 TW-1 (40-44)	Total	Ground Water	SW846 8260B	11K3124_P
NUK1675-06	Tract 35 TW-2 (26-30)	Total	Ground Water	SW846 8260B	11K3124_P
NUK1675-08	Tract 35 TW-3 (1-5)	Total	Ground Water	SW846 8260B	11K3124_P

### Analysis Batch: U020186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3289-BLK1	Method Blank	Total	Soil	SW846 8260B	11K3289_P
11K3289-BLK2	Method Blank	Total	Soil	SW846 8260B	11K3289_P
11K3289-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11K3289_P
11K3289-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11K3289_P
11K3289-MS1	Matrix Spike	Total	Soil	SW846 8260B	11K3289_P
11K3289-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11K3289_P
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	SW846 8260B	11K3289_P
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	SW846 8260B	11K3289_P

### Analysis Batch: U020357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K1458-BLK1	Method Blank	Total	Soil	SW846 8260B	11K1458_P
11K1458-BLK2	Method Blank	Total	Soil	SW846 8260B	11K1458_P
11K1458-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11K1458_P
11K1458-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11K1458_P
11K1458-MS1	Matrix Spike	Total	Soil	SW846 8260B	11K1458_P
11K1458-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11K1458_P
NUK1675-04	Tract 35 SB-2 (0-2)	Total	Soil	SW846 8260B	11K1458_P
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	SW846 8260B	11K1458_P
NUK1675-07	Tract 35 SB-3 (0-2)	Total	Soil	SW846 8260B	11K1458_P
NUK1675-09	Tract 35 SB-4 (0-2)	Total	Soil	SW846 8260B	11K1458_P
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	SW846 8260B	11K1458_P

### Prep Batch: 11K1458\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K1458-BLK1	Method Blank	Total	Soil	EPA 5035	
11K1458-BLK2	Method Blank	Total	Soil	EPA 5035	
11K1458-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11K1458-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11K1458-MS1	Matrix Spike	Total	Soil	EPA 5035	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## GCMS Volatiles (Continued)

### Prep Batch: 11K1458\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K1458-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NUK1675-04	Tract 35 SB-2 (0-2)	Total	Soil	EPA 5035	
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	EPA 5035	
NUK1675-07	Tract 35 SB-3 (0-2)	Total	Soil	EPA 5035	
NUK1675-09	Tract 35 SB-4 (0-2)	Total	Soil	EPA 5035	
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	EPA 5035	

### Prep Batch: 11K2536\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K2536-BLK1	Method Blank	Total	Water	EPA 5030B	
11K2536-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11K2536-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
11K2536-MS1	Matrix Spike	Total	Water	EPA 5030B	
11K2536-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NUK1675-11	Trip Blank	Total	Water	EPA 5030B	
NUK1675-12	Trip Blank	Total	Water	EPA 5030B	
NUK1675-13	Trip Blank	Total	Water	EPA 5030B	

### Prep Batch: 11K3124\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3124-BLK1	Method Blank	Total	Water	EPA 5030B	
11K3124-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11K3124-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
11K3124-MS1	Matrix Spike	Total	Water	EPA 5030B	
11K3124-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NUK1675-03	Tract 35 TW-1 (40-44)	Total	Ground Water	EPA 5030B	
NUK1675-06	Tract 35 TW-2 (26-30)	Total	Ground Water	EPA 5030B	
NUK1675-08	Tract 35 TW-3 (1-5)	Total	Ground Water	EPA 5030B	

### Prep Batch: 11K3289\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3289-BLK1	Method Blank	Total	Soil	EPA 5035	
11K3289-BLK2	Method Blank	Total	Soil	EPA 5035	
11K3289-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11K3289-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11K3289-MS1	Matrix Spike	Total	Soil	EPA 5035	
11K3289-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	EPA 5035	
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	EPA 5035	

## GCMS Semivolatiles

### Analysis Batch: 11K3133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3133-BLK1	Method Blank	Total	Water	SW846 8270D	11K3133_P
11K3133-BS1	Lab Control Sample	Total	Water	SW846 8270D	11K3133_P
NUK1675-06	Tract 35 TW-2 (26-30)	Total	Ground Water	SW846 8270D	11K3133_P
NUK1675-08	Tract 35 TW-3 (1-5)	Total	Ground Water	SW846 8270D	11K3133_P

### Analysis Batch: 11K3147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3147-BLK1	Method Blank	Total	Soil	SW846 8270D	11K3147_P



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## GCMS Semivolatiles (Continued)

### Analysis Batch: 11K3147 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3147-BS1	Lab Control Sample	Total	Soil	SW846 8270D	11K3147_P
11K3147-MS1	Tract 35 SB-4 (0-2)	Total	Soil	SW846 8270D	11K3147_P
11K3147-MSD1	Tract 35 SB-4 (0-2)	Total	Soil	SW846 8270D	11K3147_P
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	SW846 8270D	11K3147_P
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	SW846 8270D	11K3147_P
NUK1675-04	Tract 35 SB-2 (0-2)	Total	Soil	SW846 8270D	11K3147_P
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	SW846 8270D	11K3147_P
NUK1675-07	Tract 35 SB-3 (0-2)	Total	Soil	SW846 8270D	11K3147_P
NUK1675-09	Tract 35 SB-4 (0-2)	Total	Soil	SW846 8270D	11K3147_P
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	SW846 8270D	11K3147_P

### Analysis Batch: 11K3448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3448-BLK1	Method Blank	Total	Water	SW846 8270D	11K3448_P
11K3448-BS1	Lab Control Sample	Total	Water	SW846 8270D	11K3448_P
11K3448-BSD1	Lab Control Sample Dup	Total	Water	SW846 8270D	11K3448_P
11K3448-MS1	Matrix Spike	Total	Water	SW846 8270D	11K3448_P
11K3448-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8270D	11K3448_P
NUK1675-03 - RE1	Tract 35 TW-1 (40-44)	Total	Ground Water	SW846 8270D	11K3448_P

### Prep Batch: 11K3133\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3133-BLK1	Method Blank	Total	Water	EPA 3510C	
11K3133-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NUK1675-06	Tract 35 TW-2 (26-30)	Total	Ground Water	EPA 3510C	
NUK1675-08	Tract 35 TW-3 (1-5)	Total	Ground Water	EPA 3510C	

### Prep Batch: 11K3147\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3147-BLK1	Method Blank	Total	Soil	EPA 3550C	
11K3147-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
11K3147-MS1	Tract 35 SB-4 (0-2)	Total	Soil	EPA 3550C	
11K3147-MSD1	Tract 35 SB-4 (0-2)	Total	Soil	EPA 3550C	
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	EPA 3550C	
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	EPA 3550C	
NUK1675-04	Tract 35 SB-2 (0-2)	Total	Soil	EPA 3550C	
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	EPA 3550C	
NUK1675-07	Tract 35 SB-3 (0-2)	Total	Soil	EPA 3550C	
NUK1675-09	Tract 35 SB-4 (0-2)	Total	Soil	EPA 3550C	
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	EPA 3550C	

### Prep Batch: 11K3448\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3448-BLK1	Method Blank	Total	Water	EPA 3510C	
11K3448-BS1	Lab Control Sample	Total	Water	EPA 3510C	
11K3448-BSD1	Lab Control Sample Dup	Total	Water	EPA 3510C	
11K3448-MS1	Matrix Spike	Total	Water	EPA 3510C	
11K3448-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3510C	
NUK1675-03 - RE1	Tract 35 TW-1 (40-44)	Total	Ground Water	EPA 3510C	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Pesticides

### Analysis Batch: 11K3132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1675-03	Tract 35 TW-1 (40-44)	Total	Ground Water	SW846 8081B	11K3132_P
NUK1675-06 - RE1	Tract 35 TW-2 (26-30)	Total	Ground Water	SW846 8081B	11K3132_P
NUK1675-08 - RE1	Tract 35 TW-3 (1-5)	Total	Ground Water	SW846 8081B	11K3132_P

### Analysis Batch: 11K3145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	SW846 8081B	11K3145_P
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	SW846 8081B	11K3145_P
NUK1675-04 - RE1	Tract 35 SB-2 (0-2)	Total	Soil	SW846 8081B	11K3145_P
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	SW846 8081B	11K3145_P
NUK1675-07 - RE1	Tract 35 SB-3 (0-2)	Total	Soil	SW846 8081B	11K3145_P
NUK1675-09 - RE1	Tract 35 SB-4 (0-2)	Total	Soil	SW846 8081B	11K3145_P
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	SW846 8081B	11K3145_P

### Analysis Batch: U020037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3132-BLK1	Method Blank	Total	Water	SW846 8081B	11K3132_P
11K3132-BS1	Lab Control Sample	Total	Water	SW846 8081B	11K3132_P
11K3132-BS2	Lab Control Sample	Total	Water	SW846 8081B	11K3132_P

### Analysis Batch: U020041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3146-BLK1	Method Blank	Total	Soil	SW846 8082A	11K3146_P
11K3146-BS1	Lab Control Sample	Total	Soil	SW846 8082A	11K3146_P
11K3146-MS1	Tract 35 SB-4 (10-14)	Total	Soil	SW846 8082A	11K3146_P
11K3146-MSD1	Tract 35 SB-4 (10-14)	Total	Soil	SW846 8082A	11K3146_P
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	SW846 8082A	11K3146_P
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	SW846 8082A	11K3146_P

### Analysis Batch: U020129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3145-BLK1	Method Blank	Total	Soil	SW846 8081B	11K3145_P
11K3145-BS1	Lab Control Sample	Total	Soil	SW846 8081B	11K3145_P
11K3145-BS2	Lab Control Sample	Total	Soil	SW846 8081B	11K3145_P
11K3145-MS1	Tract 35 SB-1 (0-2)	Total	Soil	SW846 8081B	11K3145_P
11K3145-MSD1	Tract 35 SB-1 (0-2)	Total	Soil	SW846 8081B	11K3145_P

### Analysis Batch: U020167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3142-BLK1	Method Blank	Total	Water	SW846 8082A	11K3142_P
11K3142-BS1	Lab Control Sample	Total	Water	SW846 8082A	11K3142_P
NUK1675-03	Tract 35 TW-1 (40-44)	Total	Ground Water	SW846 8082A	11K3142_P
NUK1675-04	Tract 35 SB-2 (0-2)	Total	Soil	SW846 8082A	11K3146_P
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	SW846 8082A	11K3146_P
NUK1675-07	Tract 35 SB-3 (0-2)	Total	Soil	SW846 8082A	11K3146_P
NUK1675-09	Tract 35 SB-4 (0-2)	Total	Soil	SW846 8082A	11K3146_P
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	SW846 8082A	11K3146_P

### Analysis Batch: U020318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1675-06	Tract 35 TW-2 (26-30)	Total	Ground Water	SW846 8082A	11K3142_P
NUK1675-08	Tract 35 TW-3 (1-5)	Total	Ground Water	SW846 8082A	11K3142_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Pesticides (Continued)

### Prep Batch: 11K3132\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3132-BLK1	Method Blank	Total	Water	EPA 3510C	
11K3132-BS1	Lab Control Sample	Total	Water	EPA 3510C	
11K3132-BS2	Lab Control Sample	Total	Water	EPA 3510C	
NUK1675-03	Tract 35 TW-1 (40-44)	Total	Ground Water	EPA 3510C	
NUK1675-06 - RE1	Tract 35 TW-2 (26-30)	Total	Ground Water	EPA 3510C	
NUK1675-08 - RE1	Tract 35 TW-3 (1-5)	Total	Ground Water	EPA 3510C	

### Prep Batch: 11K3142\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3142-BLK1	Method Blank	Total	Water	EPA 3510C/3665A	
11K3142-BS1	Lab Control Sample	Total	Water	EPA 3510C/3665A	
NUK1675-03	Tract 35 TW-1 (40-44)	Total	Ground Water	EPA 3510C/3665A	
NUK1675-06	Tract 35 TW-2 (26-30)	Total	Ground Water	EPA 3510C/3665A	
NUK1675-08	Tract 35 TW-3 (1-5)	Total	Ground Water	EPA 3510C/3665A	

### Prep Batch: 11K3145\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3145-BLK1	Method Blank	Total	Soil	EPA 3550C	
11K3145-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
11K3145-BS2	Lab Control Sample	Total	Soil	EPA 3550C	
11K3145-MS1	Tract 35 SB-1 (0-2)	Total	Soil	EPA 3550C	
11K3145-MSD1	Tract 35 SB-1 (0-2)	Total	Soil	EPA 3550C	
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	EPA 3550C	
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	EPA 3550C	
NUK1675-04 - RE1	Tract 35 SB-2 (0-2)	Total	Soil	EPA 3550C	
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	EPA 3550C	
NUK1675-07 - RE1	Tract 35 SB-3 (0-2)	Total	Soil	EPA 3550C	
NUK1675-09 - RE1	Tract 35 SB-4 (0-2)	Total	Soil	EPA 3550C	
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	EPA 3550C	

### Prep Batch: 11K3146\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3146-BLK1	Method Blank	Total	Soil	EPA 3550C/3665A	
11K3146-BS1	Lab Control Sample	Total	Soil	EPA 3550C/3665A	
11K3146-MS1	Tract 35 SB-4 (10-14)	Total	Soil	EPA 3550C/3665A	
11K3146-MSD1	Tract 35 SB-4 (10-14)	Total	Soil	EPA 3550C/3665A	
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	EPA 3550C/3665A	
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	EPA 3550C/3665A	
NUK1675-04	Tract 35 SB-2 (0-2)	Total	Soil	EPA 3550C/3665A	
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	EPA 3550C/3665A	
NUK1675-07	Tract 35 SB-3 (0-2)	Total	Soil	EPA 3550C/3665A	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Pesticides (Continued)

### Prep Batch: 11K3146\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1675-09	Tract 35 SB-4 (0-2)	Total	Soil	EPA 3550C/3665A	
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	EPA 3550C/3665A	

## Metals

### Analysis Batch: 11K3354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3354-BLK1	Method Blank	Total	Water	SW846 7470A	11K3354_P
11K3354-BS1	Lab Control Sample	Total	Water	SW846 7470A	11K3354_P
11K3354-MS1	Matrix Spike	Total	Water	SW846 7470A	11K3354_P
11K3354-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	11K3354_P
NUK1675-03	Tract 35 TW-1 (40-44)	Total	Ground Water	SW846 7470A	11K3354_P
NUK1675-08	Tract 35 TW-3 (1-5)	Total	Ground Water	SW846 7470A	11K3354_P

### Analysis Batch: 11K3365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1675-03	Tract 35 TW-1 (40-44)	Dissolved	Ground Water	SW846 7470A	11K3365_P
NUK1675-06	Tract 35 TW-2 (26-30)	Dissolved	Ground Water	SW846 7470A	11K3365_P
NUK1675-08	Tract 35 TW-3 (1-5)	Dissolved	Ground Water	SW846 7470A	11K3365_P

### Analysis Batch: 11K3384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3384-BLK1	Method Blank	Total	Water	SW846 6010C	11K3384_P
11K3384-BS1	Lab Control Sample	Total	Water	SW846 6010C	11K3384_P
11K3384-BSD1	Lab Control Sample Dup	Total	Water	SW846 6010C	11K3384_P
11K3384-MS1	Matrix Spike	Total	Water	SW846 6010C	11K3384_P
11K3384-MSD1	Matrix Spike Duplicate	Total	Water	SW846 6010C	11K3384_P
NUK1675-03	Tract 35 TW-1 (40-44)	Total	Ground Water	SW846 6010C	11K3384_P
NUK1675-06	Tract 35 TW-2 (26-30)	Total	Ground Water	SW846 6010C	11K3384_P
NUK1675-08	Tract 35 TW-3 (1-5)	Total	Ground Water	SW846 6010C	11K3384_P

### Analysis Batch: 11K3440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3440-BLK1	Method Blank	Dissolved	Water	SW846 6010C	11K3440_P
11K3440-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	11K3440_P
11K3440-MS1	Matrix Spike	Dissolved	Water	SW846 6010C	11K3440_P
11K3440-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 6010C	11K3440_P
NUK1675-03	Tract 35 TW-1 (40-44)	Dissolved	Ground Water	SW846 6010C	11K3440_P
NUK1675-06	Tract 35 TW-2 (26-30)	Dissolved	Ground Water	SW846 6010C	11K3440_P
NUK1675-08	Tract 35 TW-3 (1-5)	Dissolved	Ground Water	SW846 6010C	11K3440_P

### Analysis Batch: 11K3651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3651-BLK1	Method Blank	Total	Soil	SW846 6010C	11K3651_P
11K3651-BS1	Lab Control Sample	Total	Soil	SW846 6010C	11K3651_P
11K3651-BSD1	Lab Control Sample Dup	Total	Soil	SW846 6010C	11K3651_P
11K3651-MS1	Matrix Spike	Total	Soil	SW846 6010C	11K3651_P
11K3651-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 6010C	11K3651_P
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	SW846 6010C	11K3651_P
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	SW846 6010C	11K3651_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Metals (Continued)

### Analysis Batch: 11K3651 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1675-04	Tract 35 SB-2 (0-2)	Total	Soil	SW846 6010C	11K3651_P
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	SW846 6010C	11K3651_P
NUK1675-07	Tract 35 SB-3 (0-2)	Total	Soil	SW846 6010C	11K3651_P
NUK1675-09	Tract 35 SB-4 (0-2)	Total	Soil	SW846 6010C	11K3651_P
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	SW846 6010C	11K3651_P

### Analysis Batch: 11K3655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3655-BLK1	Method Blank	Total	Soil	SW846 7471B	11K3655_P
11K3655-BS1	Lab Control Sample	Total	Soil	SW846 7471B	11K3655_P
11K3655-BSD1	Lab Control Sample Dup	Total	Soil	SW846 7471B	11K3655_P
11K3655-MS1	Matrix Spike	Total	Soil	SW846 7471B	11K3655_P
11K3655-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	11K3655_P
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	SW846 7471B	11K3655_P
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	SW846 7471B	11K3655_P
NUK1675-04	Tract 35 SB-2 (0-2)	Total	Soil	SW846 7471B	11K3655_P
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	SW846 7471B	11K3655_P
NUK1675-07	Tract 35 SB-3 (0-2)	Total	Soil	SW846 7471B	11K3655_P
NUK1675-09	Tract 35 SB-4 (0-2)	Total	Soil	SW846 7471B	11K3655_P
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	SW846 7471B	11K3655_P

### Analysis Batch: 11K3859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3859-BLK1	Method Blank	Total	Water	SW846 7470A	11K3859_P
11K3859-BS1	Lab Control Sample	Total	Water	SW846 7470A	11K3859_P
11K3859-MS1	Matrix Spike	Total	Water	SW846 7470A	11K3859_P
11K3859-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	11K3859_P
NUK1675-06	Tract 35 TW-2 (26-30)	Total	Ground Water	SW846 7470A	11K3859_P

### Analysis Batch: U020208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3365-BLK1	Method Blank	Dissolved	Water	SW846 7470A	11K3365_P
11K3365-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	11K3365_P
11K3365-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	11K3365_P
11K3365-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	11K3365_P

### Prep Batch: 11K3354\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3354-BLK1	Method Blank	Total	Water	EPA 7470	
11K3354-BS1	Lab Control Sample	Total	Water	EPA 7470	
11K3354-MS1	Matrix Spike	Total	Water	EPA 7470	
11K3354-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NUK1675-03	Tract 35 TW-1 (40-44)	Total	Ground Water	EPA 7470	
NUK1675-08	Tract 35 TW-3 (1-5)	Total	Ground Water	EPA 7470	

### Prep Batch: 11K3365\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3365-BLK1	Method Blank	Dissolved	Water	EPA 7470	
11K3365-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
11K3365-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
11K3365-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	
NUK1675-03	Tract 35 TW-1 (40-44)	Dissolved	Ground Water	EPA 7470	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Metals (Continued)

### Prep Batch: 11K3365\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1675-06	Tract 35 TW-2 (26-30)	Dissolved	Ground Water	EPA 7470	
NUK1675-08	Tract 35 TW-3 (1-5)	Dissolved	Ground Water	EPA 7470	

### Prep Batch: 11K3384\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3384-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
11K3384-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
11K3384-BSD1	Lab Control Sample Dup	Total	Water	EPA 3010A / 6010	
11K3384-MS1	Matrix Spike	Total	Water	EPA 3010A / 6010	
11K3384-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3010A / 6010	
NUK1675-03	Tract 35 TW-1 (40-44)	Total	Ground Water	EPA 3010A / 6010	
NUK1675-06	Tract 35 TW-2 (26-30)	Total	Ground Water	EPA 3010A / 6010	
NUK1675-08	Tract 35 TW-3 (1-5)	Total	Ground Water	EPA 3010A / 6010	

### Prep Batch: 11K3440\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3440-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K3440-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K3440-MS1	Matrix Spike	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K3440-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NUK1675-03	Tract 35 TW-1 (40-44)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NUK1675-06	Tract 35 TW-2 (26-30)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NUK1675-08	Tract 35 TW-3 (1-5)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

### Prep Batch: 11K3651\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3651-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
11K3651-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
11K3651-BSD1	Lab Control Sample Dup	Total	Soil	EPA 3051A/6010	
11K3651-MS1	Matrix Spike	Total	Soil	EPA 3051A/6010	
11K3651-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3051A/6010	
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	EPA 3051A/6010	
NUK1675-04	Tract 35 SB-2 (0-2)	Total	Soil	EPA 3051A/6010	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Metals (Continued)

### Prep Batch: 11K3651\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	EPA 3051A/6010	
NUK1675-07	Tract 35 SB-3 (0-2)	Total	Soil	EPA 3051A/6010	
NUK1675-09	Tract 35 SB-4 (0-2)	Total	Soil	EPA 3051A/6010	
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	EPA 3051A/6010	

### Prep Batch: 11K3655\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3655-BLK1	Method Blank	Total	Soil	EPA 7471	
11K3655-BS1	Lab Control Sample	Total	Soil	EPA 7471	
11K3655-BSD1	Lab Control Sample Dup	Total	Soil	EPA 7471	
11K3655-MS1	Matrix Spike	Total	Soil	EPA 7471	
11K3655-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	EPA 7471	
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	EPA 7471	
NUK1675-04	Tract 35 SB-2 (0-2)	Total	Soil	EPA 7471	
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	EPA 7471	
NUK1675-07	Tract 35 SB-3 (0-2)	Total	Soil	EPA 7471	
NUK1675-09	Tract 35 SB-4 (0-2)	Total	Soil	EPA 7471	
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	EPA 7471	

### Prep Batch: 11K3859\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3859-BLK1	Method Blank	Total	Water	EPA 7470	
11K3859-BS1	Lab Control Sample	Total	Water	EPA 7470	
11K3859-MS1	Matrix Spike	Total	Water	EPA 7470	
11K3859-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NUK1675-06	Tract 35 TW-2 (26-30)	Total	Ground Water	EPA 7470	

## Extractions

### Analysis Batch: 11K4253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K4253-DUP1	Duplicate	Total	Soil	SW-846	11K4253_P
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	SW-846	11K4253_P
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	SW-846	11K4253_P
NUK1675-04	Tract 35 SB-2 (0-2)	Total	Soil	SW-846	11K4253_P
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	SW-846	11K4253_P
NUK1675-07	Tract 35 SB-3 (0-2)	Total	Soil	SW-846	11K4253_P
NUK1675-09	Tract 35 SB-4 (0-2)	Total	Soil	SW-846	11K4253_P
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	SW-846	11K4253_P

### Prep Batch: 11K4253\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K4253-DUP1	Duplicate	Total	Soil	% Solids	
NUK1675-01	Tract 35 SB-1 (0-2)	Total	Soil	% Solids	
NUK1675-02	Tract 35 SB-1 (12-16)	Total	Soil	% Solids	
NUK1675-04	Tract 35 SB-2 (0-2)	Total	Soil	% Solids	
NUK1675-05	Tract 35 SB-2 (24-28)	Total	Soil	% Solids	
NUK1675-07	Tract 35 SB-3 (0-2)	Total	Soil	% Solids	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Extractions (Continued)

### Prep Batch: 11K4253\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1675-09	Tract 35 SB-4 (0-2)	Total	Soil	% Solids	
NUK1675-10	Tract 35 SB-4 (10-14)	Total	Soil	% Solids	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11



# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Client Sample ID: Tract 35 SB-1 (0-2)

## Lab Sample ID: NUK1675-01

Date Collected: 11/09/11 08:00

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 56.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.06	11K3289_P	11/09/11 08:00	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020186	11/14/11 22:12	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.974	11K3147_P	11/14/11 09:20	AMJ	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3147	11/14/11 21:47	KJP	TAL NSH
Total	Prep	EPA 3550C		0.980	11K3145_P	11/14/11 08:25	KDJ	TAL NSH
Total	Analysis	SW846 8081B		1.00	11K3145	11/16/11 09:44	WAM	TAL NSH
Total	Prep	EPA 3550C/3665A		0.986	11K3146_P	11/14/11 09:00	KDJ	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020041	11/15/11 09:00	RMC	TAL NSH
Total	Prep	EPA 3051A/6010		0.956	11K3651_P	11/16/11 06:39	ALJ	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3651	11/16/11 18:52	AVR	TAL NSH
Total	Analysis	SW846 6010C		10.0	11K3651	11/17/11 11:32	AVR	TAL NSH
Total	Prep	EPA 7471		0.97	11K3655_P	11/17/11 10:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11K3655	11/17/11 13:31	MB	TAL NSH
Total	Prep	% Solids		1.00	11K4253_P	11/17/11 08:03	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11K4253	11/17/11 10:37	RRS	TAL NSH

## Client Sample ID: Tract 35 SB-1 (12-16)

## Lab Sample ID: NUK1675-02

Date Collected: 11/08/11 15:30

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 48.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.17	11K3289_P	11/08/11 15:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020186	11/14/11 22:40	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.990	11K3147_P	11/14/11 09:20	AMJ	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3147	11/14/11 22:07	KJP	TAL NSH
Total	Prep	EPA 3550C		0.986	11K3145_P	11/14/11 08:25	KDJ	TAL NSH
Total	Analysis	SW846 8081B		1.00	11K3145	11/16/11 09:58	WAM	TAL NSH
Total	Prep	EPA 3550C/3665A		0.984	11K3146_P	11/14/11 09:00	KDJ	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020041	11/15/11 09:21	RMC	TAL NSH
Total	Prep	EPA 3051A/6010		0.986	11K3651_P	11/16/11 06:39	ALJ	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3651	11/16/11 18:56	AVR	TAL NSH
Total	Prep	EPA 7471		1.0	11K3655_P	11/17/11 10:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11K3655	11/17/11 13:34	MB	TAL NSH
Total	Prep	% Solids		1.00	11K4253_P	11/17/11 08:03	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11K4253	11/17/11 10:37	RRS	TAL NSH

## Client Sample ID: Tract 35 TW-1 (40-44)

## Lab Sample ID: NUK1675-03

Date Collected: 11/08/11 16:30

Matrix: Ground Water

Date Received: 11/11/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K3124_P	11/14/11 04:53	TSP	TAL NSH
Total	Analysis	SW846 8260B		10.0	U020115	11/14/11 08:09	CMM	TAL NSH
Total	Prep	EPA 3510C	RE1	0.980	11K3448_P	11/14/11 12:40	MSR	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 TW-1 (40-44)**

**Lab Sample ID: NUK1675-03**

**Date Collected: 11/08/11 16:30**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	SW846 8270D	RE1	1.00	11K3448	11/15/11 04:07	KJP	TAL NSH
Total	Prep	EPA 3510C		0.952	11K3132_P	11/12/11 14:15	WAM	TAL NSH
Total	Analysis	SW846 8081B		1.00	11K3132	11/14/11 13:08	WAM	TAL NSH
Total	Prep	EPA 3510C/3665A		0.962	11K3142_P	11/12/11 13:30	MAH	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020167	11/16/11 09:14	RMC	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K3440_P	11/16/11 06:10	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		10.0	11K3440	11/16/11 14:56	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	11K3384_P	11/16/11 06:10	ALJ	TAL NSH
Total	Analysis	SW846 6010C		10.0	11K3384	11/16/11 14:56	LTB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K3365_P	11/15/11 09:40	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K3365	11/15/11 15:55	DEB	TAL NSH
Total	Prep	EPA 7470		1.00	11K3354_P	11/14/11 09:00	DEB	TAL NSH
Total	Analysis	SW846 7470A		1.00	11K3354	11/14/11 13:18	DEB	TAL NSH
Dissolved	Analysis	SW846 6010C		100	11K3440	11/16/11 15:00	LTB	TAL NSH
Total	Analysis	SW846 6010C		100	11K3384	11/16/11 15:00	LTB	TAL NSH

**Client Sample ID: Tract 35 SB-2 (0-2)**

**Lab Sample ID: NUK1675-04**

**Date Collected: 11/09/11 10:15**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 71.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.940	11K1458_P	11/09/11 10:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020357	11/15/11 19:03	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.988	11K3147_P	11/14/11 09:20	AMJ	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3147	11/14/11 22:26	KJP	TAL NSH
Total	Prep	EPA 3550C/3665A		1.00	11K3146_P	11/14/11 09:00	KDJ	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020167	11/16/11 03:27	RMC	TAL NSH
Total	Prep	EPA 3550C	RE1	0.987	11K3145_P	11/14/11 08:25	KDJ	TAL NSH
Total	Analysis	SW846 8081B	RE1	4.00	11K3145	11/17/11 00:42	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		1.01	11K3651_P	11/16/11 06:39	ALJ	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3651	11/16/11 18:59	AVR	TAL NSH
Total	Prep	EPA 7471		0.96	11K3655_P	11/17/11 10:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11K3655	11/17/11 13:36	MB	TAL NSH
Total	Prep	% Solids		1.00	11K4253_P	11/17/11 08:03	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11K4253	11/17/11 10:37	RRS	TAL NSH

**Client Sample ID: Tract 35 SB-2 (24-28)**

**Lab Sample ID: NUK1675-05**

**Date Collected: 11/09/11 10:40**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 53.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.18	11K1458_P	11/09/11 10:40	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020357	11/15/11 19:31	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.996	11K3147_P	11/14/11 09:20	AMJ	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-2 (24-28)**

**Lab Sample ID: NUK1675-05**

**Date Collected: 11/09/11 10:40**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 53.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	SW846 8270D		1.00	11K3147	11/14/11 22:46	KJP	TAL NSH
Total	Prep	EPA 3550C		0.991	11K3145_P	11/14/11 08:25	KDJ	TAL NSH
Total	Analysis	SW846 8081B		1.00	11K3145	11/16/11 10:12	WAM	TAL NSH
Total	Prep	EPA 3550C/3665A		0.992	11K3146_P	11/14/11 09:00	KDJ	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020167	11/16/11 04:32	RMC	TAL NSH
Total	Prep	EPA 3051A/6010		0.978	11K3651_P	11/16/11 06:39	ALJ	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3651	11/16/11 19:02	AVR	TAL NSH
Total	Prep	EPA 7471		1.0	11K3655_P	11/17/11 10:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11K3655	11/17/11 13:39	MB	TAL NSH
Total	Prep	% Solids		1.00	11K4253_P	11/17/11 08:03	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11K4253	11/17/11 10:37	RRS	TAL NSH

**Client Sample ID: Tract 35 TW-2 (26-30)**

**Lab Sample ID: NUK1675-06**

**Date Collected: 11/09/11 11:15**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K3124_P	11/14/11 04:53	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020115	11/14/11 08:36	CMM	TAL NSH
Total	Prep	EPA 3510C		0.952	11K3133_P	11/12/11 10:35	AMJ	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3133	11/13/11 23:48	KJP	TAL NSH
Total	Prep	EPA 3510C/3665A		0.962	11K3142_P	11/12/11 13:30	MAH	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020318	11/17/11 15:40	RMC	TAL NSH
Total	Prep	EPA 3510C	RE1	0.952	11K3132_P	11/12/11 14:15	WAM	TAL NSH
Total	Analysis	SW846 8081B	RE1	20.0	11K3132	11/15/11 12:21	WAM	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K3440_P	11/16/11 06:10	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		10.0	11K3440	11/16/11 15:03	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	11K3384_P	11/16/11 06:10	ALJ	TAL NSH
Total	Analysis	SW846 6010C		10.0	11K3384	11/16/11 15:03	LTB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K3365_P	11/15/11 09:40	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K3365	11/15/11 15:57	DEB	TAL NSH
Total	Prep	EPA 7470		1.00	11K3859_P	11/16/11 08:55	DEB	TAL NSH
Total	Analysis	SW846 7470A		1.00	11K3859	11/16/11 14:51	DEB	TAL NSH
Dissolved	Analysis	SW846 6010C		100	11K3440	11/16/11 15:06	LTB	TAL NSH
Total	Analysis	SW846 6010C		100	11K3384	11/16/11 15:06	LTB	TAL NSH

**Client Sample ID: Tract 35 SB-3 (0-2)**

**Lab Sample ID: NUK1675-07**

**Date Collected: 11/09/11 14:00**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 96.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.928	11K1458_P	11/09/11 14:00	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020357	11/15/11 19:58	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.977	11K3147_P	11/14/11 09:20	AMJ	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-3 (0-2)**

**Lab Sample ID: NUK1675-07**

**Date Collected: 11/09/11 14:00**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 96.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	SW846 8270D		1.00	11K3147	11/14/11 23:05	KJP	TAL NSH
Total	Prep	EPA 3550C/3665A		0.978	11K3146_P	11/14/11 09:00	KDJ	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020167	11/16/11 04:54	RMC	TAL NSH
Total	Prep	EPA 3550C	RE1	0.988	11K3145_P	11/14/11 08:25	KDJ	TAL NSH
Total	Analysis	SW846 8081B	RE1	2.00	11K3145	11/17/11 00:56	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		0.982	11K3651_P	11/16/11 06:39	ALJ	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3651	11/16/11 19:05	AVR	TAL NSH
Total	Prep	EPA 7471		1.0	11K3655_P	11/17/11 10:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11K3655	11/17/11 13:47	MB	TAL NSH
Total	Prep	% Solids		1.00	11K4253_P	11/17/11 08:03	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11K4253	11/17/11 10:37	RRS	TAL NSH

**Client Sample ID: Tract 35 TW-3 (1-5)**

**Lab Sample ID: NUK1675-08**

**Date Collected: 11/09/11 14:30**

**Matrix: Ground Water**

**Date Received: 11/11/11 08:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K3124_P	11/14/11 04:53	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020115	11/14/11 09:04	CMM	TAL NSH
Total	Prep	EPA 3510C		0.980	11K3133_P	11/12/11 10:35	AMJ	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3133	11/14/11 00:08	KJP	TAL NSH
Total	Prep	EPA 3510C/3665A		0.952	11K3142_P	11/12/11 13:30	MAH	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020318	11/17/11 16:02	RMC	TAL NSH
Total	Prep	EPA 3510C	RE1	0.952	11K3132_P	11/12/11 14:15	WAM	TAL NSH
Total	Analysis	SW846 8081B	RE1	20.0	11K3132	11/15/11 12:36	WAM	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K3440_P	11/16/11 06:10	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		10.0	11K3440	11/16/11 15:20	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	11K3384_P	11/16/11 06:10	ALJ	TAL NSH
Total	Analysis	SW846 6010C		10.0	11K3384	11/16/11 15:20	LTB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K3365_P	11/15/11 09:40	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K3365	11/15/11 15:59	DEB	TAL NSH
Total	Prep	EPA 7470		1.00	11K3354_P	11/14/11 09:00	DEB	TAL NSH
Total	Analysis	SW846 7470A		1.00	11K3354	11/14/11 13:20	DEB	TAL NSH
Dissolved	Analysis	SW846 6010C		100	11K3440	11/16/11 15:24	LTB	TAL NSH
Total	Analysis	SW846 6010C		100	11K3384	11/16/11 15:24	LTB	TAL NSH

**Client Sample ID: Tract 35 SB-4 (0-2)**

**Lab Sample ID: NUK1675-09**

**Date Collected: 11/09/11 16:45**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Percent Solids: 80.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.906	11K1458_P	11/09/11 16:45	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020357	11/15/11 20:26	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.988	11K3147_P	11/14/11 09:20	AMJ	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

**Client Sample ID: Tract 35 SB-4 (0-2)**

**Lab Sample ID: NUK1675-09**

Date Collected: 11/09/11 16:45

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	SW846 8270D		1.00	11K3147	11/14/11 23:24	KJP	TAL NSH
Total	Prep	EPA 3550C/3665A		0.986	11K3146_P	11/14/11 09:00	KDJ	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020167	11/16/11 05:16	RMC	TAL NSH
Total	Prep	EPA 3550C	RE1	0.985	11K3145_P	11/14/11 08:25	KDJ	TAL NSH
Total	Analysis	SW846 8081B	RE1	2.00	11K3145	11/17/11 01:10	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		0.994	11K3651_P	11/16/11 06:39	ALJ	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3651	11/16/11 19:08	AVR	TAL NSH
Total	Prep	EPA 7471		1.0	11K3655_P	11/17/11 10:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11K3655	11/17/11 13:49	MB	TAL NSH
Total	Prep	% Solids		1.00	11K4253_P	11/17/11 08:03	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11K4253	11/17/11 10:37	RRS	TAL NSH

**Client Sample ID: Tract 35 SB-4 (10-14)**

**Lab Sample ID: NUK1675-10**

Date Collected: 11/09/11 17:00

Matrix: Soil

Date Received: 11/11/11 08:30

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.800	11K1458_P	11/09/11 17:00	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020357	11/15/11 20:54	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.977	11K3147_P	11/14/11 09:20	AMJ	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3147	11/14/11 23:44	KJP	TAL NSH
Total	Prep	EPA 3550C		0.972	11K3145_P	11/14/11 08:25	KDJ	TAL NSH
Total	Analysis	SW846 8081B		1.00	11K3145	11/16/11 10:27	WAM	TAL NSH
Total	Prep	EPA 3550C/3665A		0.997	11K3146_P	11/14/11 09:00	KDJ	TAL NSH
Total	Analysis	SW846 8082A		1.00	U020167	11/16/11 05:38	RMC	TAL NSH
Total	Prep	EPA 3051A/6010		0.990	11K3651_P	11/16/11 06:39	ALJ	TAL NSH
Total	Analysis	SW846 6010C		1.00	11K3651	11/16/11 19:11	AVR	TAL NSH
Total	Prep	EPA 7471		0.99	11K3655_P	11/17/11 10:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11K3655	11/17/11 13:52	MB	TAL NSH
Total	Prep	% Solids		1.00	11K4253_P	11/17/11 08:03	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11K4253	11/17/11 10:37	RRS	TAL NSH

**Client Sample ID: Trip Blank**

**Lab Sample ID: NUK1675-11**

Date Collected: 11/08/11 00:01

Matrix: Water

Date Received: 11/11/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K2536_P	11/13/11 16:47	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020025	11/13/11 22:22	CMM	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

## Client Sample ID: Trip Blank

Date Collected: 11/08/11 00:01

Date Received: 11/11/11 08:30

## Lab Sample ID: NUK1675-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K2536_P	11/13/11 16:47	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020025	11/13/11 22:50	CMM	TAL NSH

## Client Sample ID: Trip Blank

Date Collected: 11/08/11 00:01

Date Received: 11/11/11 08:30

## Lab Sample ID: NUK1675-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K2536_P	11/13/11 16:47	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020025	11/13/11 23:18	CMM	TAL NSH

### Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 8081B	Organochlorine Pesticides by EPA Method 8081B		TAL NSH
SW846 8082A	Polychlorinated Biphenyls by EPA Method 8082A		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Certification Summary

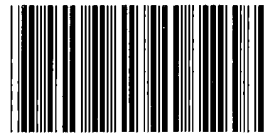
Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NUK1675

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.





**COOLER RECEIPT**

NUK1675

Cooler Received/Opened On 11/11/2011 @ 0830

1. Tracking # 1728 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 0.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA  NA

4. Were custody seals on outside of cooler?  YES...NO...NA

If yes, how many and where: one front & Back

5. Were the seals intact, signed, and dated correctly?  YES...NO...NA

6. Were custody papers inside cooler?  YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES  NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used?  Bubblewrap  Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process:  Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)?  YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial?  YES...NO...NA

14. Was there a Trip Blank in this cooler?  YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) DA

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA  NA

b. Did the bottle labels indicate that the correct preservatives were used  YES...NO...NA

16. Was residual chlorine present? YES...NO...NA  NO

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) DA

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) DA

I certify that I attached a label with the unique LIMS number to each container (initial) DA

21. Were there Non-Conformance issues at login? YES  NO Was a PIPE generated? YES...NO...# NO

-01  
 -02  
 (-03 except 6)  
 (Liber)

3 vials -03



## COOLER RECEIPT FORM

NUK1675

11/22/11 23:59

Cooler Received/Opened On 11/11/2011 @ 08:30

1. Tracking # 1831 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 0.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES......NO...NA

4. Were custody seals on outside of cooler?  YES...NO...NA

If yes, how many and where: 2-Front

5. Were the seals intact, signed, and dated correctly?  YES...NO...NA

6. Were custody papers inside cooler?  YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) P.A.

7. Were custody seals on containers: YES  NO and intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used?  Bubblewrap  Plastic bag  Peanuts  Vermiculite  Foam Insert  Paper  Other  None

9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry ice  Other  None

10. Did all containers arrive in good condition (unbroken)?  YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES......NO...NA

14. Was there a Trip Blank in this cooler?  YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (initial) M

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used  YES...NO...NA

16. Was residual chlorine present? YES......NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) M

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) A

I certify that I attached a label with the unique LIMS number to each container (initial) B

21. Were there Non-Conformance issues at login? YES......NO... Was a PIPE generated? YES......NO...#

## COOLER RECEIPT FORM

NUK1675  
11/22/11 23:59

Cooler Received/Opened On 11/11/2011 @ 0830

1. Tracking # 1853 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 1.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO... NA

4. Were custody seals on outside of cooler?  YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly?  YES...NO...NA

6. Were custody papers inside cooler?  YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) F

7. Were custody seals on containers: YES  NO  and Intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used?  Bubblewrap  Plastic bag  Peanuts  Vermiculite  Foam Insert  Paper  Other  None

9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry ice  Other  None

10. Did all containers arrive in good condition (unbroken)?  YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES... NO...NA

14. Was there a Trip Blank in this cooler?  YES...NO...NA If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (initial) M

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used?  YES...NO...NA

16. Was residual chlorine present? YES... NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) OS

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) M

I certify that I attached a label with the unique LIMS number to each container (initial) S

21. Were there Non-Conformance issues at login? YES... NO... Was a PIPE generated? YES... NO...#

-08  
(empty 6th)  
2 labels  
-09  
-10

## COOLER RECEIPT FORM

NUK1675  
11/22/11 23:59

Cooler Received/Opened On 11/11/2011 @ 8:30

1. Tracking # 1809 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 3.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES......NO...NA

4. Were custody seals on outside of cooler?  YES...NO...NA

If yes, how many and where: 2 front

5. Were the seals intact, signed, and dated correctly?  YES...NO...NA

6. Were custody papers inside cooler?  YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) J.G.

7. Were custody seals on containers: YES  NO and Intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used?  Bubblewrap  Plastic bag  Peanuts  Vermiculite  Foam Insert  Paper  Other  None

9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry ice  Other  None

10. Did all containers arrive in good condition (unbroken)?  YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO... NA

14. Was there a Trip Blank in this cooler? YES......NA If multiple coolers, sequence # 1st

I certify that I unloaded the cooler and answered questions 7-14 (initial) J

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used  YES...NO...NA

16. Was residual chlorine present? YES......NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) J

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) A

I certify that I attached a label with the unique LIMS number to each container (initial) A

21. Were there Non-Conformance issues at login? YES......NO...#

-03  
G-Liter

-08 G-H  
L-liter

Soils

-04  
-05  
-07



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NVL1390  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline

*Roxanne L. Connor*

Authorized for release by:  
12/22/2011 1:02:32 PM

Roxanne Connor  
Program Manager - Conventional Accounts  
[roxanne.connor@testamericainc.com](mailto:roxanne.connor@testamericainc.com)

Designee for  
Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NVL1390-01	Tract 24 SB-1 (0-2)	Soil	12/07/11 11:15	12/09/11 08:00
NVL1390-02	Tract 24 SB-1 (2-6)	Soil	12/07/11 11:30	12/09/11 08:00
NVL1390-03	Tract 24 TW-1 (4-8)	Ground Water	12/07/11 11:45	12/09/11 08:00
NVL1390-04	Tract 24 SB-2 (0-2)	Soil	12/07/11 14:20	12/09/11 08:00
NVL1390-05	Tract 24 SB-2 (10-14)	Soil	12/07/11 15:30	12/09/11 08:00
NVL1390-06	Tract 24 TW-2 (3-7)	Ground Water	12/07/11 15:45	12/09/11 08:00
NVL1390-07	Trip Blank	Water	12/07/11 00:01	12/09/11 08:00
NVL1390-08	Trip Blank	Water	12/07/11 00:01	12/09/11 08:00





# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
B	Analyte was detected in the associated Method Blank.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
PV	Acid preservation was indicated on the sample vial. However, a pH of <2 was not obtained.
RL1	Reporting limit raised due to sample matrix effects.

### GCMS Semivolatiles

Qualifier	Qualifier Description
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
B1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
P7	Sample filtered in lab.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-1 (0-2)**

**Lab Sample ID: NVL1390-01**

**Date Collected: 12/07/11 11:15**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 82.5**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.18		2.37	1.18	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
<b>Benzene</b>	<b>0.117</b>		0.0946	0.0521	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Bromochloromethane	<0.0568		0.0946	0.0568	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Bromodichloromethane	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Bromoform	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Bromomethane	<0.0568		0.0946	0.0568	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
2-Butanone	<1.18		2.37	1.18	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Carbon disulfide	<0.170		0.237	0.170	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Carbon Tetrachloride	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Chlorobenzene	<0.0521		0.0946	0.0521	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Chlorodibromomethane	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Chloroethane	<0.118		0.237	0.118	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Chloroform	<0.0615		0.0946	0.0615	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Chloromethane	<0.0521		0.0946	0.0521	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,2-Dibromo-3-chloropropane	<0.118		0.237	0.118	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,2-Dibromoethane (EDB)	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,2-Dichlorobenzene	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,3-Dichlorobenzene	<0.0568		0.0946	0.0568	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,4-Dichlorobenzene	<0.0521		0.0946	0.0521	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Dichlorodifluoromethane	<0.0663		0.0946	0.0663	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,2-Dichloroethane	<0.0521		0.0946	0.0521	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,1-Dichloroethane	<0.0615		0.0946	0.0615	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,1-Dichloroethene	<0.0568		0.0946	0.0568	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
trans-1,2-Dichloroethene	<0.0615		0.0946	0.0615	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,1,2-Trifluorotrchloroethane	<0.0521		0.0946	0.0521	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
cis-1,2-Dichloroethene	<0.0521		0.0946	0.0521	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,2-Dichloropropane	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
trans-1,3-Dichloropropene	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
cis-1,3-Dichloropropene	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
<b>Ethylbenzene</b>	<b>4.51</b>		0.0946	0.0521	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
2-Hexanone	<1.18		2.37	1.18	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
<b>Isopropylbenzene</b>	<b>8.29</b>		0.0946	0.0521	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Methyl Acetate	<0.237	L	0.473	0.237	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Methyl tert-Butyl Ether	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Methylene Chloride	<0.237		0.473	0.237	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
4-Methyl-2-pentanone	<1.18		2.37	1.18	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Styrene	<0.0521		0.0946	0.0521	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,1,2,2-Tetrachloroethane	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Tetrachloroethene	<0.0615		0.0946	0.0615	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Toluene	<0.0521		0.0946	0.0521	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,2,4-Trichlorobenzene	<0.0568	L	0.0946	0.0568	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,2,3-Trichlorobenzene	<0.0521	L	0.0946	0.0521	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,1,1-Trichloroethane	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
1,1,2-Trichloroethane	<0.118		0.237	0.118	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Trichloroethene	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Trichlorofluoromethane	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Vinyl chloride	<0.0473		0.0946	0.0473	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0
Xylenes, total	<0.118		0.237	0.118	mg/kg dry	☼	12/07/11 11:15	12/20/11 16:52	50.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-1 (0-2)**

**Lab Sample ID: NVL1390-01**

**Date Collected: 12/07/11 11:15**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 82.5**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	84		70 - 130	12/07/11 11:15	12/20/11 16:52	50.0
Dibromofluoromethane	94		70 - 130	12/07/11 11:15	12/20/11 16:52	50.0
Toluene-d8	135	ZX	70 - 130	12/07/11 11:15	12/20/11 16:52	50.0
4-Bromofluorobenzene	157	ZX	70 - 130	12/07/11 11:15	12/20/11 16:52	50.0

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	31.7		9.46	4.73	mg/kg dry	☼	12/07/11 11:15	12/20/11 17:20	1000
Methylcyclohexane	56.2		9.46	4.73	mg/kg dry	☼	12/07/11 11:15	12/20/11 17:20	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	90		70 - 130	12/07/11 11:15	12/20/11 17:20	1000
Dibromofluoromethane	98		70 - 130	12/07/11 11:15	12/20/11 17:20	1000
Toluene-d8	103		70 - 130	12/07/11 11:15	12/20/11 17:20	1000
4-Bromofluorobenzene	102		70 - 130	12/07/11 11:15	12/20/11 17:20	1000

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.214		0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Acenaphthylene	0.118		0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Anthracene	<0.0403		0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Benzo (a) anthracene	0.0869		0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Benzo (a) pyrene	0.0648	J	0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Benzo (b) fluoranthene	0.0596	J	0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Benzo (g,h,i) perylene	<0.0403		0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Benzo (k) fluoranthene	0.0537	J	0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
4-Bromophenyl phenyl ether	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Butyl benzyl phthalate	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Carbazole	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
4-Chloro-3-methylphenol	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
4-Chloroaniline	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Bis(2-chloroethoxy)methane	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Bis(2-chloroethyl)ether	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Bis(2-chloroisopropyl)ether	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
2-Chloronaphthalene	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
2-Chlorophenol	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
4-Chlorophenyl phenyl ether	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Chrysene	0.0715	J	0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Dibenz (a,h) anthracene	<0.0403		0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Dibenzofuran	0.538		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Di-n-butyl phthalate	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
1,4-Dichlorobenzene	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
1,2-Dichlorobenzene	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
1,3-Dichlorobenzene	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
3,3-Dichlorobenzidine	<0.198		0.790	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
2,4-Dichlorophenol	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Diethyl phthalate	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
2,4-Dimethylphenol	<0.228		0.395	0.228	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Dimethyl phthalate	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
4,6-Dinitro-2-methylphenol	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
2,4-Dinitrophenol	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-1 (0-2)**

**Lab Sample ID: NVL1390-01**

**Date Collected: 12/07/11 11:15**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 82.5**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
2,4-Dinitrotoluene	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Di-n-octyl phthalate	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Bis(2-ethylhexyl)phthalate	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
<b>Fluoranthene</b>	<b>0.242</b>		0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
<b>Fluorene</b>	<b>0.592</b>		0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Hexachlorobenzene	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Hexachlorobutadiene	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Hexachlorocyclopentadiene	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Hexachloroethane	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Indeno (1,2,3-cd) pyrene	<0.0403		0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Isophorone	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
2-Methylphenol	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
3/4-Methylphenol	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
3-Nitroaniline	<0.198		0.987	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
2-Nitroaniline	<0.198		0.987	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
4-Nitroaniline	<0.198		0.987	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Nitrobenzene	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
4-Nitrophenol	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
2-Nitrophenol	<0.232		0.395	0.232	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
N-Nitrosodiphenylamine	<0.217		0.395	0.217	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
N-Nitrosodi-n-propylamine	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Pentachlorophenol	<0.198		0.987	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
<b>Phenanthrene</b>	<b>1.18</b>		0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
Phenol	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
<b>Pyrene</b>	<b>0.235</b>		0.0794	0.0403	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
1,2,4-Trichlorobenzene	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
2,4,6-Trichlorophenol	<0.198		0.395	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00
2,4,5-Trichlorophenol	<0.198		0.987	0.198	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:11	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	84		18 - 120	12/14/11 07:46	12/14/11 18:11	1.00
2,4,6-Tribromophenol	67		19 - 120	12/14/11 07:46	12/14/11 18:11	1.00
Phenol-d5	64		18 - 120	12/14/11 07:46	12/14/11 18:11	1.00
2-Fluorobiphenyl	66		14 - 120	12/14/11 07:46	12/14/11 18:11	1.00
2-Fluorophenol	65		17 - 120	12/14/11 07:46	12/14/11 18:11	1.00
Nitrobenzene-d5	74		17 - 120	12/14/11 07:46	12/14/11 18:11	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>2-Methylnaphthalene</b>	<b>15.5</b>		0.794	0.403	mg/kg dry	☼	12/14/11 07:46	12/15/11 21:05	10.0
<b>Naphthalene</b>	<b>13.1</b>		0.794	0.403	mg/kg dry	☼	12/14/11 07:46	12/15/11 21:05	10.0

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0254		0.0402	0.0254	mg/kg dry	☼	12/13/11 12:21	12/14/11 15:47	1.00
PCB-1221	<0.0133		0.0402	0.0133	mg/kg dry	☼	12/13/11 12:21	12/14/11 15:47	1.00
PCB-1232	<0.0193		0.0402	0.0193	mg/kg dry	☼	12/13/11 12:21	12/14/11 15:47	1.00
PCB-1242	<0.0314		0.0402	0.0314	mg/kg dry	☼	12/13/11 12:21	12/14/11 15:47	1.00
PCB-1248	<0.0362		0.0402	0.0362	mg/kg dry	☼	12/13/11 12:21	12/14/11 15:47	1.00
PCB-1254	<0.0133		0.0402	0.0133	mg/kg dry	☼	12/13/11 12:21	12/14/11 15:47	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-1 (0-2)**

**Lab Sample ID: NVL1390-01**

Date Collected: 12/07/11 11:15

Matrix: Soil

Date Received: 12/09/11 08:00

Percent Solids: 82.5

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	<0.0338		0.0402	0.0338	mg/kg dry	☼	12/13/11 12:21	12/14/11 15:47	1.00
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Tetrachloro-meta-xylene	74		19 - 147				12/13/11 12:21	12/14/11 15:47	1.00
Decachlorobiphenyl	116		20 - 150				12/13/11 12:21	12/14/11 15:47	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5090		23.2	11.6	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Antimony	<5.80		11.6	5.80	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Arsenic	3.46		1.16	0.580	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Barium	17.5		2.32	1.16	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Beryllium	<0.580		1.16	0.580	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Cadmium	<0.580		1.16	0.580	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Calcium	3270		116	58.0	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Chromium	6.50		1.16	0.580	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Cobalt	<1.74		3.48	1.74	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Copper	5.31		2.32	1.16	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Iron	3860	B1 B	11.6	5.80	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Lead	29.5		1.16	0.580	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Magnesium	221		116	58.0	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Manganese	15.5		3.48	1.74	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Nickel	1.30	J	2.32	1.16	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Potassium	180		116	58.0	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Selenium	<1.16		2.32	1.16	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Silver	<0.580		1.16	0.580	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Sodium	<116		232	116	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Thallium	<1.16		2.32	1.16	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Vanadium	9.33	J	11.6	5.80	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00
Zinc	54.1		11.6	5.80	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:31	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.058		0.12	0.058	mg/kg dry	☼	12/12/11 13:50	12/14/11 13:42	1.0

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	82.5		0.500	0.500	%		12/15/11 15:58	12/16/11 09:55	1.00

**Client Sample ID: Tract 24 SB-1 (2-6)**

**Lab Sample ID: NVL1390-02**

Date Collected: 12/07/11 11:30

Matrix: Soil

Date Received: 12/09/11 08:00

Percent Solids: 79.7

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.20		2.40	1.20	mg/kg dry	☼	12/07/11 11:30	12/20/11 15:28	50.0
Benzene	<0.0529		0.0961	0.0529	mg/kg dry	☼	12/07/11 11:30	12/20/11 15:28	50.0
Bromochloromethane	<0.0577		0.0961	0.0577	mg/kg dry	☼	12/07/11 11:30	12/20/11 15:28	50.0
Bromodichloromethane	<0.0480		0.0961	0.0480	mg/kg dry	☼	12/07/11 11:30	12/20/11 15:28	50.0
Bromoform	<0.0480		0.0961	0.0480	mg/kg dry	☼	12/07/11 11:30	12/20/11 15:28	50.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-1 (2-6)**

**Lab Sample ID: NVL1390-02**

**Date Collected: 12/07/11 11:30**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 79.7**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<0.0577		0.0961	0.0577	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
2-Butanone	<1.20		2.40	1.20	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Carbon disulfide	<0.173		0.240	0.173	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Carbon Tetrachloride	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Chlorobenzene	<0.0529		0.0961	0.0529	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Chlorodibromomethane	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Chloroethane	<0.120		0.240	0.120	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Chloroform	<0.0625		0.0961	0.0625	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Chloromethane	<0.0529		0.0961	0.0529	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
<b>Cyclohexane</b>	<b>1.58</b>		0.480	0.240	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,2-Dibromo-3-chloropropane	<0.120		0.240	0.120	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,2-Dibromoethane (EDB)	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
<b>Methylcyclohexane</b>	<b>2.55</b>		0.480	0.240	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,2-Dichlorobenzene	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,3-Dichlorobenzene	<0.0577		0.0961	0.0577	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,4-Dichlorobenzene	<0.0529		0.0961	0.0529	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Dichlorodifluoromethane	<0.0673		0.0961	0.0673	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,2-Dichloroethane	<0.0529		0.0961	0.0529	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,1-Dichloroethane	<0.0625		0.0961	0.0625	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,1-Dichloroethene	<0.0577		0.0961	0.0577	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
trans-1,2-Dichloroethene	<0.0625		0.0961	0.0625	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,1,2-Trifluoroethylchloroethane	<0.0529		0.0961	0.0529	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
cis-1,2-Dichloroethene	<0.0529		0.0961	0.0529	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,2-Dichloropropane	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
trans-1,3-Dichloropropene	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
cis-1,3-Dichloropropene	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Ethylbenzene	<0.0529		0.0961	0.0529	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
2-Hexanone	<1.20		2.40	1.20	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
<b>Isopropylbenzene</b>	<b>0.429</b>		0.0961	0.0529	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
<b>Methyl Acetate</b>	<b>1.05</b>	<b>L1 B</b>	0.480	0.240	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Methyl tert-Butyl Ether	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Methylene Chloride	<0.240		0.480	0.240	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
4-Methyl-2-pentanone	<1.20		2.40	1.20	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Styrene	<0.0529		0.0961	0.0529	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,1,2,2-Tetrachloroethane	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Tetrachloroethene	<0.0625		0.0961	0.0625	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Toluene	<0.0529		0.0961	0.0529	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,2,4-Trichlorobenzene	<0.0577	L	0.0961	0.0577	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,2,3-Trichlorobenzene	<0.0529	L	0.0961	0.0529	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,1,1-Trichloroethane	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
1,1,2-Trichloroethane	<0.120		0.240	0.120	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Trichloroethene	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Trichlorofluoromethane	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Vinyl chloride	<0.0480		0.0961	0.0480	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0
Xylenes, total	<0.120		0.240	0.120	mg/kg dry	*	12/07/11 11:30	12/20/11 15:28	50.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	90		70 - 130	12/07/11 11:30	12/20/11 15:28	50.0
Dibromofluoromethane	96		70 - 130	12/07/11 11:30	12/20/11 15:28	50.0
Toluene-d8	101		70 - 130	12/07/11 11:30	12/20/11 15:28	50.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-1 (2-6)**

**Lab Sample ID: NVL1390-02**

**Date Collected: 12/07/11 11:30**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 79.7**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1 (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130	12/07/11 11:30	12/20/11 15:28	50.0

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acenaphthene</b>	<b>0.0616</b>	<b>J</b>	0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Acenaphthylene	<0.0413		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Anthracene	<0.0413		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Benzo (a) anthracene	<0.0413		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Benzo (a) pyrene	<0.0413		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Benzo (b) fluoranthene	<0.0413		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Benzo (g,h,i) perylene	<0.0413		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Benzo (k) fluoranthene	<0.0413		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
4-Bromophenyl phenyl ether	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Butyl benzyl phthalate	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Carbazole	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
4-Chloro-3-methylphenol	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
4-Chloroaniline	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Bis(2-chloroethoxy)methane	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Bis(2-chloroethyl)ether	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Bis(2-chloroisopropyl)ether	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
2-Chloronaphthalene	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
2-Chlorophenol	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
4-Chlorophenyl phenyl ether	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Chrysene	<0.0413		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Dibenz (a,h) anthracene	<0.0413		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Dibenzofuran	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Di-n-butyl phthalate	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
1,4-Dichlorobenzene	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
1,2-Dichlorobenzene	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
1,3-Dichlorobenzene	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
3,3-Dichlorobenzidine	<0.203		0.811	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
2,4-Dichlorophenol	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Diethyl phthalate	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
2,4-Dimethylphenol	<0.233		0.405	0.233	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Dimethyl phthalate	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
4,6-Dinitro-2-methylphenol	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
2,4-Dinitrophenol	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
2,6-Dinitrotoluene	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
2,4-Dinitrotoluene	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Di-n-octyl phthalate	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Bis(2-ethylhexyl)phthalate	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
<b>Fluoranthene</b>	<b>0.0519</b>	<b>J</b>	0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
<b>Fluorene</b>	<b>0.185</b>		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Hexachlorobenzene	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Hexachlorobutadiene	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Hexachlorocyclopentadiene	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Hexachloroethane	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Indeno (1,2,3-cd) pyrene	<0.0413		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Isophorone	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
<b>2-Methylnaphthalene</b>	<b>2.45</b>		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-1 (2-6)**

**Lab Sample ID: NVL1390-02**

**Date Collected: 12/07/11 11:30**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 79.7**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
3/4-Methylphenol	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
<b>Naphthalene</b>	<b>1.45</b>		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
3-Nitroaniline	<0.203		1.01	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
2-Nitroaniline	<0.203		1.01	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
4-Nitroaniline	<0.203		1.01	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Nitrobenzene	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
4-Nitrophenol	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
2-Nitrophenol	<0.238		0.405	0.238	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
N-Nitrosodiphenylamine	<0.222		0.405	0.222	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
N-Nitrosodi-n-propylamine	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Pentachlorophenol	<0.203		1.01	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
<b>Phenanthrene</b>	<b>0.336</b>		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
Phenol	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
<b>Pyrene</b>	<b>0.0527 J</b>		0.0815	0.0413	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
1,2,4-Trichlorobenzene	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
2,4,6-Trichlorophenol	<0.203		0.405	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00
2,4,5-Trichlorophenol	<0.203		1.01	0.203	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:32	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	77		18 - 120	12/14/11 07:46	12/14/11 18:32	1.00
2,4,6-Tribromophenol	60		19 - 120	12/14/11 07:46	12/14/11 18:32	1.00
Phenol-d5	56		18 - 120	12/14/11 07:46	12/14/11 18:32	1.00
2-Fluorobiphenyl	59		14 - 120	12/14/11 07:46	12/14/11 18:32	1.00
2-Fluorophenol	54		17 - 120	12/14/11 07:46	12/14/11 18:32	1.00
Nitrobenzene-d5	63		17 - 120	12/14/11 07:46	12/14/11 18:32	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0260		0.0413	0.0260	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:08	1.00
PCB-1221	<0.0136		0.0413	0.0136	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:08	1.00
PCB-1232	<0.0198		0.0413	0.0198	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:08	1.00
PCB-1242	<0.0322		0.0413	0.0322	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:08	1.00
PCB-1248	<0.0372		0.0413	0.0372	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:08	1.00
PCB-1254	<0.0136		0.0413	0.0136	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:08	1.00
PCB-1260	<0.0347		0.0413	0.0347	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:08	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	78		19 - 147	12/13/11 12:21	12/14/11 16:08	1.00
Decachlorobiphenyl	114		20 - 150	12/13/11 12:21	12/14/11 16:08	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>17400</b>		24.9	12.5	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
Antimony	<6.23		12.5	6.23	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Arsenic</b>	<b>8.62</b>		1.25	0.623	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Barium</b>	<b>23.3</b>		2.49	1.25	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
Beryllium	<0.623		1.25	0.623	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Cadmium</b>	<b>1.59</b>		1.25	0.623	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Calcium</b>	<b>996</b>		125	62.3	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Chromium</b>	<b>21.2</b>		1.25	0.623	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Client Sample ID: Tract 24 SB-1 (2-6)

Lab Sample ID: NVL1390-02

Date Collected: 12/07/11 11:30

Matrix: Soil

Date Received: 12/09/11 08:00

Percent Solids: 79.7

### Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<1.87		3.74	1.87	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
Copper	<1.25		2.49	1.25	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Iron</b>	<b>22500</b>	<b>B1 B</b>	12.5	6.23	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Lead</b>	<b>14.0</b>		1.25	0.623	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Magnesium</b>	<b>698</b>		125	62.3	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Manganese</b>	<b>11.8</b>		3.74	1.87	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Nickel</b>	<b>1.94</b>	<b>J</b>	2.49	1.25	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Potassium</b>	<b>521</b>		125	62.3	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
Selenium	<1.25		2.49	1.25	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
Silver	<0.623		1.25	0.623	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Sodium</b>	<b>159</b>	<b>J</b>	249	125	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
Thallium	<1.25		2.49	1.25	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Vanadium</b>	<b>42.5</b>		12.5	6.23	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00
<b>Zinc</b>	<b>12.3</b>	<b>J</b>	12.5	6.23	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:46	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.062		0.12	0.062	mg/kg dry	☼	12/12/11 13:50	12/14/11 13:44	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>% Dry Solids</b>	<b>79.7</b>		0.500	0.500	%		12/15/11 15:58	12/16/11 09:55	1.00

## Client Sample ID: Tract 24 TW-1 (4-8)

Lab Sample ID: NVL1390-03

Date Collected: 12/07/11 11:45

Matrix: Ground Water

Date Received: 12/09/11 08:00

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
<b>Benzene</b>	<b>0.760</b>	<b>J</b>	1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Bromoform	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Chloroform	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Cyclohexane	<2.50	M7	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
<b>Methylcyclohexane</b>	<b>15.7</b>	<b>M7</b>	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 TW-1 (4-8)**

**Lab Sample ID: NVL1390-03**

**Date Collected: 12/07/11 11:45**

**Matrix: Ground Water**

**Date Received: 12/09/11 08:00**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
<b>Ethylbenzene</b>	<b>0.830</b>	<b>J</b>	1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
<b>Isopropylbenzene</b>	<b>2.19</b>		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
<b>Methyl tert-Butyl Ether</b>	<b>1.38</b>		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Styrene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
<b>Toluene</b>	<b>2.63</b>		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 16:33	1.00
<b>Xylenes, total</b>	<b>3.72</b>		3.00	1.50	ug/L		12/12/11 09:32	12/12/11 16:33	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		70 - 130	12/12/11 09:32	12/12/11 16:33	1.00
Dibromofluoromethane	104		70 - 130	12/12/11 09:32	12/12/11 16:33	1.00
Toluene-d8	97		70 - 130	12/12/11 09:32	12/12/11 16:33	1.00
4-Bromofluorobenzene	100		70 - 130	12/12/11 09:32	12/12/11 16:33	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acenaphthene</b>	<b>6.91</b>		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Acenaphthylene	<0.952		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
<b>Anthracene</b>	<b>1.15</b>	<b>J</b>	1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Benzo (a) anthracene	<0.952		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Benzo (a) pyrene	<0.952		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Benzo (b) fluoranthene	<0.952		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Benzo (g,h,i) perylene	<0.952		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Benzo (k) fluoranthene	<0.952		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
4-Bromophenyl phenyl ether	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Butyl benzyl phthalate	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Carbazole	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
4-Chloro-3-methylphenol	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
4-Chloroaniline	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 TW-1 (4-8)**

**Lab Sample ID: NVL1390-03**

**Date Collected: 12/07/11 11:45**

**Matrix: Ground Water**

**Date Received: 12/09/11 08:00**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Bis(2-chloroethyl)ether	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Bis(2-chloroisopropyl)ether	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
2-Chloronaphthalene	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
2-Chlorophenol	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
4-Chlorophenyl phenyl ether	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Chrysene	<0.952		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Dibenz (a,h) anthracene	<0.952		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Dibenzofuran	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Di-n-butyl phthalate	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
1,4-Dichlorobenzene	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
1,2-Dichlorobenzene	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
1,3-Dichlorobenzene	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
3,3-Dichlorobenzidine	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
2,4-Dichlorophenol	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Diethyl phthalate	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
2,4-Dimethylphenol	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Dimethyl phthalate	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
4,6-Dinitro-2-methylphenol	<12.4		23.8	12.4	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
2,4-Dinitrophenol	<12.4		23.8	12.4	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
2,6-Dinitrotoluene	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
2,4-Dinitrotoluene	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Di-n-octyl phthalate	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Bis(2-ethylhexyl)phthalate	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
<b>Fluoranthene</b>	<b>2.31</b>		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
<b>Fluorene</b>	<b>8.49</b>		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Hexachlorobenzene	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Hexachlorobutadiene	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Hexachlorocyclopentadiene	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Hexachloroethane	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Indeno (1,2,3-cd) pyrene	<0.952		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Isophorone	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
<b>2-Methylnaphthalene</b>	<b>5.73</b>		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
2-Methylphenol	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Naphthalene	<0.952		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
3/4-Methylphenol	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
3-Nitroaniline	<12.4		23.8	12.4	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
2-Nitroaniline	<12.4		23.8	12.4	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
4-Nitroaniline	<12.4		23.8	12.4	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Nitrobenzene	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
4-Nitrophenol	<4.76		23.8	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
2-Nitrophenol	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
N-Nitrosodiphenylamine	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
N-Nitrosodi-n-propylamine	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Pentachlorophenol	<12.4		23.8	12.4	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Phenanthrene	<0.952		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
Phenol	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
<b>Pyrene</b>	<b>1.15 J</b>		1.90	0.952	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
1,2,4-Trichlorobenzene	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
2,4,6-Trichlorophenol	<4.76		9.52	4.76	ug/L		12/10/11 11:50	12/11/11 00:28	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 TW-1 (4-8)**

**Lab Sample ID: NVL1390-03**

**Date Collected: 12/07/11 11:45**

**Matrix: Ground Water**

**Date Received: 12/09/11 08:00**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<12.4		23.8	12.4	ug/L		12/10/11 11:50	12/11/11 00:28	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Terphenyl-d14	85		13 - 120				12/10/11 11:50	12/11/11 00:28	1.00
2,4,6-Tribromophenol	82		10 - 120				12/10/11 11:50	12/11/11 00:28	1.00
Phenol-d5	29		10 - 120				12/10/11 11:50	12/11/11 00:28	1.00
2-Fluorobiphenyl	83		29 - 120				12/10/11 11:50	12/11/11 00:28	1.00
2-Fluorophenol	47		10 - 120				12/10/11 11:50	12/11/11 00:28	1.00
Nitrobenzene-d5	87		27 - 120				12/10/11 11:50	12/11/11 00:28	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.238		0.476	0.238	ug/L		12/16/11 06:00	12/16/11 20:25	1.00
PCB-1221	<0.238		0.476	0.238	ug/L		12/16/11 06:00	12/16/11 20:25	1.00
PCB-1232	<0.238		0.476	0.238	ug/L		12/16/11 06:00	12/16/11 20:25	1.00
PCB-1242	<0.238		0.476	0.238	ug/L		12/16/11 06:00	12/16/11 20:25	1.00
PCB-1248	<0.238		0.476	0.238	ug/L		12/16/11 06:00	12/16/11 20:25	1.00
PCB-1254	<0.238		0.476	0.238	ug/L		12/16/11 06:00	12/16/11 20:25	1.00
PCB-1260	<0.238		0.476	0.238	ug/L		12/16/11 06:00	12/16/11 20:25	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	62		17 - 142				12/16/11 06:00	12/16/11 20:25	1.00
Decachlorobiphenyl	29		10 - 149				12/16/11 06:00	12/16/11 20:25	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500	P7	0.100	0.0500	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Arsenic	<0.00500	P7	0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
<b>Barium</b>	<b>0.0132</b>	<b>B P7</b>	0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Cadmium	<0.000600	P7	0.00100	0.000600	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
<b>Calcium</b>	<b>66.4</b>	<b>P7</b>	1.00	0.500	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Cobalt	<0.0100	P7	0.0200	0.0100	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
<b>Iron</b>	<b>1.55</b>	<b>P7</b>	0.0500	0.0250	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Lead	<0.00250	P7	0.00500	0.00250	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
<b>Magnesium</b>	<b>7.97</b>	<b>P7</b>	1.00	0.500	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
<b>Manganese</b>	<b>0.120</b>	<b>P7</b>	0.0150	0.00750	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Nickel	<0.00500	P7	0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
<b>Potassium</b>	<b>10.0</b>	<b>P7</b>	1.00	0.500	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Silver	<0.00250	P7	0.00500	0.00250	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
<b>Sodium</b>	<b>50.6</b>	<b>B1 P7 B</b>	1.00	0.500	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		12/14/11 07:40	12/14/11 17:16	1.00
Zinc	<0.0250	P7	0.0500	0.0250	mg/L		12/14/11 07:40	12/14/11 17:16	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 TW-1 (4-8)**

**Lab Sample ID: NVL1390-03**

Date Collected: 12/07/11 11:45

Matrix: Ground Water

Date Received: 12/09/11 08:00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	159		0.100	0.0500	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Arsenic	0.108		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Barium	0.250		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Beryllium	0.00400		0.00400	0.00200	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Calcium	77.8		1.00	0.500	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Chromium	0.588		0.00500	0.00250	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Cobalt	0.0164	J	0.0200	0.0100	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Copper	0.0170		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Iron	143	B1 B	0.0500	0.0250	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Lead	0.0399		0.00500	0.00250	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Magnesium	13.9		1.00	0.500	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Manganese	0.295		0.0150	0.00750	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Nickel	0.286		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Potassium	13.2		1.00	0.500	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Selenium	0.00880	J	0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Sodium	50.5		1.00	0.500	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Vanadium	0.303		0.0200	0.0100	mg/L		12/11/11 11:40	12/13/11 03:57	1.00
Zinc	0.0831		0.0500	0.0250	mg/L		12/11/11 11:40	12/13/11 03:57	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		12/12/11 13:55	12/13/11 10:54	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000894		0.000200	0.000100	mg/L		12/12/11 10:15	12/12/11 15:57	1.00

**Client Sample ID: Tract 24 SB-2 (0-2)**

**Lab Sample ID: NVL1390-04**

Date Collected: 12/07/11 14:20

Matrix: Soil

Date Received: 12/09/11 08:00

Percent Solids: 93.7

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0767		0.0494	0.0247	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Benzene	0.00227		0.00198	0.00109	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Bromochloromethane	<0.00119		0.00198	0.00119	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Bromodichloromethane	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Bromoform	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Bromomethane	<0.00119		0.00198	0.00119	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
2-Butanone	<0.0247		0.0494	0.0247	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Carbon disulfide	<0.00356		0.00494	0.00356	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Carbon Tetrachloride	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Chlorobenzene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Chlorodibromomethane	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Chloroethane	<0.00247		0.00494	0.00247	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Chloroform	<0.00128		0.00198	0.00128	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-2 (0-2)**

**Lab Sample ID: NVL1390-04**

**Date Collected: 12/07/11 14:20**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 93.7**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
<b>Cyclohexane</b>	<b>0.0732</b>		0.00988	0.00494	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,2-Dibromo-3-chloropropane	<0.00247		0.00494	0.00247	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,2-Dibromoethane (EDB)	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
<b>Methylcyclohexane</b>	<b>0.150</b>		0.00988	0.00494	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,2-Dichlorobenzene	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,3-Dichlorobenzene	<0.00119		0.00198	0.00119	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,4-Dichlorobenzene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Dichlorodifluoromethane	<0.00138		0.00198	0.00138	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,2-Dichloroethane	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,1-Dichloroethane	<0.00128		0.00198	0.00128	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,1-Dichloroethene	<0.00119		0.00198	0.00119	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
trans-1,2-Dichloroethene	<0.00128		0.00198	0.00128	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,1,2-Trifluorotrichloroethane	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
cis-1,2-Dichloroethene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,2-Dichloropropane	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
trans-1,3-Dichloropropene	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
cis-1,3-Dichloropropene	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
<b>Ethylbenzene</b>	<b>0.00652</b>		0.00198	0.00109	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
2-Hexanone	<0.0247		0.0494	0.0247	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
<b>Isopropylbenzene</b>	<b>0.0190</b>		0.00198	0.00109	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Methyl Acetate	<0.00494	L	0.00988	0.00494	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Methyl tert-Butyl Ether	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Methylene Chloride	<0.00494		0.00988	0.00494	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
4-Methyl-2-pentanone	<0.0247		0.0494	0.0247	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Styrene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,1,2,2-Tetrachloroethane	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Tetrachloroethene	<0.00128		0.00198	0.00128	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
<b>Toluene</b>	<b>0.00174</b>	J	0.00198	0.00109	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,2,4-Trichlorobenzene	<0.00119	L	0.00198	0.00119	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,2,3-Trichlorobenzene	<0.00109	L	0.00198	0.00109	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,1,1-Trichloroethane	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
1,1,2-Trichloroethane	<0.00247		0.00494	0.00247	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Trichloroethene	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Trichlorofluoromethane	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
Vinyl chloride	<0.000988		0.00198	0.000988	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00
<b>Xylenes, total</b>	<b>0.00434</b>	J	0.00494	0.00247	mg/kg dry	☼	12/07/11 14:20	12/19/11 17:30	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	91		70 - 130	12/07/11 14:20	12/19/11 17:30	1.00
Dibromofluoromethane	97		70 - 130	12/07/11 14:20	12/19/11 17:30	1.00
Toluene-d8	108		70 - 130	12/07/11 14:20	12/19/11 17:30	1.00
4-Bromofluorobenzene	130		70 - 130	12/07/11 14:20	12/19/11 17:30	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acenaphthene</b>	<b>0.151</b>		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
<b>Acenaphthylene</b>	<b>0.0684</b>	J	0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
<b>Anthracene</b>	<b>0.0744</b>		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
<b>Benzo (a) anthracene</b>	<b>0.0396</b>	J	0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Benzo (a) pyrene	<0.0358		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-2 (0-2)**

**Lab Sample ID: NVL1390-04**

**Date Collected: 12/07/11 14:20**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 93.7**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo (b) fluoranthene	<0.0358		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Benzo (g,h,i) perylene	<0.0358		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Benzo (k) fluoranthene	<0.0358		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
4-Bromophenyl phenyl ether	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Butyl benzyl phthalate	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Carbazole	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
4-Chloro-3-methylphenol	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
4-Chloroaniline	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Bis(2-chloroethoxy)methane	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Bis(2-chloroethyl)ether	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Bis(2-chloroisopropyl)ether	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
2-Chloronaphthalene	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
2-Chlorophenol	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
4-Chlorophenyl phenyl ether	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Chrysene	<0.0358		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Dibenz (a,h) anthracene	<0.0358		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
<b>Dibenzofuran</b>	<b>0.308</b>	<b>J</b>	0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Di-n-butyl phthalate	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
1,4-Dichlorobenzene	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
1,2-Dichlorobenzene	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
1,3-Dichlorobenzene	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
3,3-Dichlorobenzidine	<0.176		0.702	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
2,4-Dichlorophenol	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Diethyl phthalate	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
2,4-Dimethylphenol	<0.202		0.350	0.202	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Dimethyl phthalate	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
4,6-Dinitro-2-methylphenol	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
2,4-Dinitrophenol	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
2,6-Dinitrotoluene	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
2,4-Dinitrotoluene	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Di-n-octyl phthalate	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Bis(2-ethylhexyl)phthalate	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
<b>Fluoranthene</b>	<b>0.122</b>		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
<b>Fluorene</b>	<b>0.364</b>		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Hexachlorobenzene	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Hexachlorobutadiene	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Hexachlorocyclopentadiene	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Hexachloroethane	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Indeno (1,2,3-cd) pyrene	<0.0358		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Isophorone	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
2-Methylphenol	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
3/4-Methylphenol	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
3-Nitroaniline	<0.176		0.877	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
2-Nitroaniline	<0.176		0.877	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
4-Nitroaniline	<0.176		0.877	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Nitrobenzene	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
4-Nitrophenol	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
2-Nitrophenol	<0.206		0.350	0.206	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
N-Nitrosodiphenylamine	<0.193		0.350	0.193	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
N-Nitrosodi-n-propylamine	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-2 (0-2)**

**Lab Sample ID: NVL1390-04**

**Date Collected: 12/07/11 14:20**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 93.7**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.176		0.877	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
<b>Phenanthrene</b>	<b>0.618</b>		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Phenol	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
<b>Pyrene</b>	<b>0.120</b>		0.0705	0.0358	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
1,2,4-Trichlorobenzene	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
2,4,6-Trichlorophenol	<0.176		0.350	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
2,4,5-Trichlorophenol	<0.176		0.877	0.176	mg/kg dry	☼	12/14/11 07:46	12/14/11 18:54	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Terphenyl-d14</i>	81		18 - 120				12/14/11 07:46	12/14/11 18:54	1.00
<i>2,4,6-Tribromophenol</i>	65		19 - 120				12/14/11 07:46	12/14/11 18:54	1.00
<i>Phenol-d5</i>	59		18 - 120				12/14/11 07:46	12/14/11 18:54	1.00
<i>2-Fluorobiphenyl</i>	64		14 - 120				12/14/11 07:46	12/14/11 18:54	1.00
<i>2-Fluorophenol</i>	59		17 - 120				12/14/11 07:46	12/14/11 18:54	1.00
<i>Nitrobenzene-d5</i>	76		17 - 120				12/14/11 07:46	12/14/11 18:54	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>2-Methylnaphthalene</b>	<b>20.5</b>		0.705	0.358	mg/kg dry	☼	12/14/11 07:46	12/15/11 21:27	10.0
<b>Naphthalene</b>	<b>10.5</b>		0.705	0.358	mg/kg dry	☼	12/14/11 07:46	12/15/11 21:27	10.0

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0223		0.0354	0.0223	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:30	1.00
PCB-1221	<0.0117		0.0354	0.0117	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:30	1.00
PCB-1232	<0.0170		0.0354	0.0170	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:30	1.00
<b>PCB-1242</b>	<b>0.0471</b>		0.0354	0.0276	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:30	1.00
PCB-1248	<0.0319		0.0354	0.0319	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:30	1.00
PCB-1254	<0.0117		0.0354	0.0117	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:30	1.00
PCB-1260	<0.0297		0.0354	0.0297	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:30	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-meta-xylene</i>	74		19 - 147				12/13/11 12:21	12/14/11 16:30	1.00
<i>Decachlorobiphenyl</i>	108		20 - 150				12/13/11 12:21	12/14/11 16:30	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>895</b>		21.3	10.7	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Antimony	<5.33		10.7	5.33	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Arsenic	<0.533		1.07	0.533	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
<b>Barium</b>	<b>4.45</b>		2.13	1.07	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Beryllium	<0.533		1.07	0.533	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Cadmium	<0.533		1.07	0.533	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
<b>Calcium</b>	<b>1320</b>		107	53.3	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
<b>Chromium</b>	<b>1.90</b>		1.07	0.533	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Cobalt	<1.60		3.20	1.60	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Copper	<1.07		2.13	1.07	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
<b>Iron</b>	<b>674</b>	<b>B1 B</b>	10.7	5.33	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
<b>Lead</b>	<b>11.7</b>		1.07	0.533	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Magnesium	<53.3		107	53.3	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
<b>Manganese</b>	<b>2.15</b>	<b>J</b>	3.20	1.60	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-2 (0-2)**

**Lab Sample ID: NVL1390-04**

**Date Collected: 12/07/11 14:20**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 93.7**

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<1.07		2.13	1.07	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Potassium	<53.3		107	53.3	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Selenium	<1.07		2.13	1.07	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Silver	<0.533		1.07	0.533	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Sodium	<107		213	107	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Thallium	<1.07		2.13	1.07	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
Vanadium	<5.33		10.7	5.33	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00
<b>Zinc</b>	<b>5.39</b>	<b>J</b>	10.7	5.33	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:49	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.053		0.11	0.053	mg/kg dry	☼	12/12/11 13:50	12/14/11 13:47	1.0

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>% Dry Solids</b>	<b>93.7</b>		0.500	0.500	%		12/15/11 15:58	12/16/11 09:55	1.00

**Client Sample ID: Tract 24 SB-2 (10-14)**

**Lab Sample ID: NVL1390-05**

**Date Collected: 12/07/11 15:30**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 80.6**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0258		0.0515	0.0258	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Benzene	<0.00113		0.00206	0.00113	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Bromochloromethane	<0.00124		0.00206	0.00124	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Bromodichloromethane	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Bromoform	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Bromomethane	<0.00124		0.00206	0.00124	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
2-Butanone	<0.0258		0.0515	0.0258	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
<b>Carbon disulfide</b>	<b>0.00543</b>		0.00515	0.00371	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Carbon Tetrachloride	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Chlorobenzene	<0.00113		0.00206	0.00113	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Chlorodibromomethane	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Chloroethane	<0.00258		0.00515	0.00258	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Chloroform	<0.00134		0.00206	0.00134	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Chloromethane	<0.00113		0.00206	0.00113	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,2-Dibromo-3-chloropropane	<0.00258		0.00515	0.00258	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,2-Dibromoethane (EDB)	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,2-Dichlorobenzene	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,3-Dichlorobenzene	<0.00124		0.00206	0.00124	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,4-Dichlorobenzene	<0.00113		0.00206	0.00113	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Dichlorodifluoromethane	<0.00144		0.00206	0.00144	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,2-Dichloroethane	<0.00113		0.00206	0.00113	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,1-Dichloroethane	<0.00134		0.00206	0.00134	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,1-Dichloroethene	<0.00124		0.00206	0.00124	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
trans-1,2-Dichloroethene	<0.00134		0.00206	0.00134	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,1,2-Trifluoro-trichloroethane	<0.00113		0.00206	0.00113	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
cis-1,2-Dichloroethene	<0.00113		0.00206	0.00113	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,2-Dichloropropane	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-2 (10-14)**

**Lab Sample ID: NVL1390-05**

**Date Collected: 12/07/11 15:30**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 80.6**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
cis-1,3-Dichloropropene	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
<b>Ethylbenzene</b>	<b>0.0138</b>		0.00206	0.00113	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
2-Hexanone	<0.0258		0.0515	0.0258	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
<b>Isopropylbenzene</b>	<b>0.134</b>		0.00206	0.00113	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Methyl Acetate	<0.00515	L	0.0103	0.00515	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Methyl tert-Butyl Ether	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Methylene Chloride	<0.00515		0.0103	0.00515	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
4-Methyl-2-pentanone	<0.0258		0.0515	0.0258	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Styrene	<0.00113		0.00206	0.00113	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,1,2,2-Tetrachloroethane	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Tetrachloroethene	<0.00134		0.00206	0.00134	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Toluene	<0.00113		0.00206	0.00113	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,2,4-Trichlorobenzene	<0.00124	L	0.00206	0.00124	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,2,3-Trichlorobenzene	<0.00113	L	0.00206	0.00113	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,1,1-Trichloroethane	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
1,1,2-Trichloroethane	<0.00258		0.00515	0.00258	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Trichloroethene	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Trichlorofluoromethane	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Vinyl chloride	<0.00103		0.00206	0.00103	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00
Xylenes, total	<0.00258		0.00515	0.00258	mg/kg dry	☼	12/07/11 15:30	12/19/11 17:58	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	89		70 - 130	12/07/11 15:30	12/19/11 17:58	1.00
Dibromofluoromethane	97		70 - 130	12/07/11 15:30	12/19/11 17:58	1.00
Toluene-d8	142	ZX	70 - 130	12/07/11 15:30	12/19/11 17:58	1.00
4-Bromofluorobenzene	136	ZX	70 - 130	12/07/11 15:30	12/19/11 17:58	1.00

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Cyclohexane</b>	<b>0.550</b>		0.497	0.248	mg/kg dry	☼	12/07/11 15:30	12/20/11 16:24	50.0
<b>Methylcyclohexane</b>	<b>0.928</b>		0.497	0.248	mg/kg dry	☼	12/07/11 15:30	12/20/11 16:24	50.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	95		70 - 130	12/07/11 15:30	12/20/11 16:24	50.0
Dibromofluoromethane	98		70 - 130	12/07/11 15:30	12/20/11 16:24	50.0
Toluene-d8	99		70 - 130	12/07/11 15:30	12/20/11 16:24	50.0
4-Bromofluorobenzene	103		70 - 130	12/07/11 15:30	12/20/11 16:24	50.0

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Acenaphthylene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Anthracene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Benzo (a) anthracene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Benzo (a) pyrene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Benzo (b) fluoranthene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Benzo (g,h,i) perylene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Benzo (k) fluoranthene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
4-Bromophenyl phenyl ether	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Butyl benzyl phthalate	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-2 (10-14)**

**Lab Sample ID: NVL1390-05**

**Date Collected: 12/07/11 15:30**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 80.6**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
4-Chloro-3-methylphenol	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
4-Chloroaniline	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Bis(2-chloroethoxy)methane	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Bis(2-chloroethyl)ether	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Bis(2-chloroisopropyl)ether	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
2-Chloronaphthalene	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
2-Chlorophenol	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
4-Chlorophenyl phenyl ether	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Chrysene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Dibenz (a,h) anthracene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Dibenzofuran	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Di-n-butyl phthalate	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
1,4-Dichlorobenzene	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
1,2-Dichlorobenzene	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
1,3-Dichlorobenzene	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
3,3-Dichlorobenzidine	<0.207		0.826	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
2,4-Dichlorophenol	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Diethyl phthalate	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
2,4-Dimethylphenol	<0.238		0.413	0.238	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Dimethyl phthalate	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
4,6-Dinitro-2-methylphenol	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
2,4-Dinitrophenol	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
2,6-Dinitrotoluene	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
2,4-Dinitrotoluene	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Di-n-octyl phthalate	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Bis(2-ethylhexyl)phthalate	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Fluoranthene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Fluorene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Hexachlorobenzene	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Hexachlorobutadiene	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Hexachlorocyclopentadiene	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Hexachloroethane	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Indeno (1,2,3-cd) pyrene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Isophorone	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
<b>2-Methylnaphthalene</b>	<b>0.210</b>		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
2-Methylphenol	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
3/4-Methylphenol	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
<b>Naphthalene</b>	<b>0.114</b>		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
3-Nitroaniline	<0.207		1.03	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
2-Nitroaniline	<0.207		1.03	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
4-Nitroaniline	<0.207		1.03	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Nitrobenzene	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
4-Nitrophenol	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
2-Nitrophenol	<0.243		0.413	0.243	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
N-Nitrosodiphenylamine	<0.227		0.413	0.227	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
N-Nitrosodi-n-propylamine	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Pentachlorophenol	<0.207		1.03	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Phenanthrene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Phenol	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 SB-2 (10-14)**

**Lab Sample ID: NVL1390-05**

**Date Collected: 12/07/11 15:30**

**Matrix: Soil**

**Date Received: 12/09/11 08:00**

**Percent Solids: 80.6**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	<0.0421		0.0830	0.0421	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
1,2,4-Trichlorobenzene	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
2,4,6-Trichlorophenol	<0.207		0.413	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
2,4,5-Trichlorophenol	<0.207		1.03	0.207	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:15	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	80		18 - 120				12/14/11 07:46	12/14/11 19:15	1.00
2,4,6-Tribromophenol	62		19 - 120				12/14/11 07:46	12/14/11 19:15	1.00
Phenol-d5	57		18 - 120				12/14/11 07:46	12/14/11 19:15	1.00
2-Fluorobiphenyl	60		14 - 120				12/14/11 07:46	12/14/11 19:15	1.00
2-Fluorophenol	53		17 - 120				12/14/11 07:46	12/14/11 19:15	1.00
Nitrobenzene-d5	56		17 - 120				12/14/11 07:46	12/14/11 19:15	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0255		0.0404	0.0255	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:52	1.00
PCB-1221	<0.0134		0.0404	0.0134	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:52	1.00
PCB-1232	<0.0194		0.0404	0.0194	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:52	1.00
PCB-1242	<0.0316		0.0404	0.0316	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:52	1.00
PCB-1248	<0.0364		0.0404	0.0364	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:52	1.00
PCB-1254	<0.0134		0.0404	0.0134	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:52	1.00
PCB-1260	<0.0340		0.0404	0.0340	mg/kg dry	☼	12/13/11 12:21	12/14/11 16:52	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	88		19 - 147				12/13/11 12:21	12/14/11 16:52	1.00
Decachlorobiphenyl	104		20 - 150				12/13/11 12:21	12/14/11 16:52	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>4810</b>		24.6	12.3	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
Antimony	<6.14		12.3	6.14	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
<b>Arsenic</b>	<b>1.16 J</b>		1.23	0.614	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
<b>Barium</b>	<b>8.38</b>		2.46	1.23	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
Beryllium	<0.614		1.23	0.614	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
Cadmium	<0.614		1.23	0.614	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
<b>Calcium</b>	<b>251</b>		123	61.4	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
<b>Chromium</b>	<b>7.47</b>		1.23	0.614	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
Cobalt	<1.84		3.69	1.84	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
Copper	<1.23		2.46	1.23	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
<b>Iron</b>	<b>2260 B1 B</b>		12.3	6.14	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
<b>Lead</b>	<b>3.47</b>		1.23	0.614	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
<b>Magnesium</b>	<b>253</b>		123	61.4	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
<b>Manganese</b>	<b>4.82</b>		3.69	1.84	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
Nickel	<1.23		2.46	1.23	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
<b>Potassium</b>	<b>180</b>		123	61.4	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
Selenium	<1.23		2.46	1.23	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
Silver	<0.614		1.23	0.614	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
Sodium	<123		246	123	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
Thallium	<1.23		2.46	1.23	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
Vanadium	<6.14		12.3	6.14	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00
Zinc	<6.14		12.3	6.14	mg/kg dry	☼	12/13/11 06:30	12/13/11 13:52	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Client Sample ID: Tract 24 SB-2 (10-14)

Lab Sample ID: NVL1390-05

Date Collected: 12/07/11 15:30

Matrix: Soil

Date Received: 12/09/11 08:00

Percent Solids: 80.6

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.062		0.12	0.062	mg/kg dry	✱	12/12/11 13:50	12/14/11 13:50	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	80.6		0.500	0.500	%		12/15/11 15:58	12/16/11 09:55	1.00

## Client Sample ID: Tract 24 TW-2 (3-7)

Lab Sample ID: NVL1390-06

Date Collected: 12/07/11 15:45

Matrix: Ground Water

Date Received: 12/09/11 08:00

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	1190	PV	250	125	ug/L		12/12/11 09:32	12/12/11 16:07	50.0
Methylcyclohexane	1050	PV	250	125	ug/L		12/12/11 09:32	12/12/11 16:07	50.0
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	103		70 - 130				12/12/11 09:32	12/12/11 16:07	50.0
Dibromofluoromethane	107		70 - 130				12/12/11 09:32	12/12/11 16:07	50.0
Toluene-d8	96		70 - 130				12/12/11 09:32	12/12/11 16:07	50.0
4-Bromofluorobenzene	102		70 - 130				12/12/11 09:32	12/12/11 16:07	50.0

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<125	PV RL1	250	125	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Benzene	8.70	PV	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Bromochloromethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Bromodichloromethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Bromoform	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Bromomethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
2-Butanone	<125	PV RL1	250	125	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Carbon disulfide	3.65	J PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Carbon Tetrachloride	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Chlorobenzene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Chlorodibromomethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Chloroethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Chloroform	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Chloromethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,2-Dibromo-3-chloropropane	<25.0	PV RL1	50.0	25.0	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,2-Dibromoethane (EDB)	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,2-Dichlorobenzene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,3-Dichlorobenzene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,4-Dichlorobenzene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Dichlorodifluoromethane	<3.00	PV RL1	5.00	3.00	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,2-Dichloroethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,1-Dichloroethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,1-Dichloroethene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
trans-1,2-Dichloroethene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,1,2-Trifluoroethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
cis-1,2-Dichloroethene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,2-Dichloropropane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 TW-2 (3-7)**

**Lab Sample ID: NVL1390-06**

**Date Collected: 12/07/11 15:45**

**Matrix: Ground Water**

**Date Received: 12/09/11 08:00**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
cis-1,3-Dichloropropene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
<b>Ethylbenzene</b>	<b>118</b>	<b>PV</b>	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
2-Hexanone	<25.0	PV RL1	50.0	25.0	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
<b>Isopropylbenzene</b>	<b>317</b>	<b>PV</b>	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Methyl Acetate	<25.0	PV RL1	50.0	25.0	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Methyl tert-Butyl Ether	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Methylene Chloride	<12.5	PV RL1	25.0	12.5	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
4-Methyl-2-pentanone	<25.0	PV RL1	50.0	25.0	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Styrene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,1,2,2-Tetrachloroethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Tetrachloroethene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
<b>Toluene</b>	<b>6.60</b>	<b>PV</b>	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,2,4-Trichlorobenzene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,2,3-Trichlorobenzene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,1,1-Trichloroethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
1,1,2-Trichloroethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Trichloroethene	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Trichlorofluoromethane	<2.50	PV RL1	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
Vinyl chloride	<2.50	RL1 PV	5.00	2.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00
<b>Xylenes, total</b>	<b>15.0</b>	<b>PV</b>	15.0	7.50	ug/L		12/12/11 09:32	12/12/11 17:01	5.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		70 - 130	12/12/11 09:32	12/12/11 17:01	5.00
Dibromofluoromethane	101		70 - 130	12/12/11 09:32	12/12/11 17:01	5.00
Toluene-d8	94		70 - 130	12/12/11 09:32	12/12/11 17:01	5.00
4-Bromofluorobenzene	119		70 - 130	12/12/11 09:32	12/12/11 17:01	5.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acenaphthene</b>	<b>4.10</b>		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Acenaphthylene	<0.962		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
<b>Anthracene</b>	<b>2.73</b>		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
<b>Benzo (a) anthracene</b>	<b>1.39</b>	<b>J</b>	1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Benzo (a) pyrene	<0.962		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Benzo (b) fluoranthene	<0.962		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Benzo (g,h,i) perylene	<0.962		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Benzo (k) fluoranthene	<0.962		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
4-Bromophenyl phenyl ether	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Butyl benzyl phthalate	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Carbazole	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
4-Chloro-3-methylphenol	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
4-Chloroaniline	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Bis(2-chloroethoxy)methane	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Bis(2-chloroethyl)ether	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Bis(2-chloroisopropyl)ether	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
2-Chloronaphthalene	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
2-Chlorophenol	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
4-Chlorophenyl phenyl ether	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Chrysene	<0.962		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Dibenz (a,h) anthracene	<0.962		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 TW-2 (3-7)**

**Lab Sample ID: NVL1390-06**

**Date Collected: 12/07/11 15:45**

**Matrix: Ground Water**

**Date Received: 12/09/11 08:00**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Di-n-butyl phthalate	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
1,4-Dichlorobenzene	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
1,2-Dichlorobenzene	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
1,3-Dichlorobenzene	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
3,3-Dichlorobenzidine	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
2,4-Dichlorophenol	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Diethyl phthalate	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
2,4-Dimethylphenol	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Dimethyl phthalate	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
4,6-Dinitro-2-methylphenol	<12.5		24.0	12.5	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
2,4-Dinitrophenol	<12.5		24.0	12.5	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
2,6-Dinitrotoluene	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
2,4-Dinitrotoluene	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Di-n-octyl phthalate	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Bis(2-ethylhexyl)phthalate	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
<b>Fluoranthene</b>	<b>4.62</b>		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
<b>Fluorene</b>	<b>7.11</b>		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Hexachlorobenzene	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Hexachlorobutadiene	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Hexachlorocyclopentadiene	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Hexachloroethane	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Indeno (1,2,3-cd) pyrene	<0.962		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Isophorone	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
2-Methylphenol	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
3/4-Methylphenol	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
3-Nitroaniline	<12.5		24.0	12.5	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
2-Nitroaniline	<12.5		24.0	12.5	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
4-Nitroaniline	<12.5		24.0	12.5	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Nitrobenzene	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
4-Nitrophenol	<4.81		24.0	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
2-Nitrophenol	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
N-Nitrosodiphenylamine	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
N-Nitrosodi-n-propylamine	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Pentachlorophenol	<12.5		24.0	12.5	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
<b>Phenanthrene</b>	<b>12.3</b>		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Phenol	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
<b>Pyrene</b>	<b>3.64</b>		1.92	0.962	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
1,2,4-Trichlorobenzene	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
2,4,6-Trichlorophenol	<4.81		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
2,4,5-Trichlorophenol	<12.5		24.0	12.5	ug/L		12/10/11 11:50	12/11/11 00:49	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	59		13 - 120				12/10/11 11:50	12/11/11 00:49	1.00
2,4,6-Tribromophenol	61		10 - 120				12/10/11 11:50	12/11/11 00:49	1.00
Phenol-d5	4		10 - 120				12/10/11 11:50	12/11/11 00:49	1.00
2-Fluorobiphenyl	67		29 - 120				12/10/11 11:50	12/11/11 00:49	1.00
2-Fluorophenol	40		10 - 120				12/10/11 11:50	12/11/11 00:49	1.00
Nitrobenzene-d5	84		27 - 120				12/10/11 11:50	12/11/11 00:49	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 TW-2 (3-7)**

**Lab Sample ID: NVL1390-06**

Date Collected: 12/07/11 15:45

Matrix: Ground Water

Date Received: 12/09/11 08:00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	486		9.62	4.81	ug/L		12/10/11 11:50	12/11/11 17:59	5.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D - RE2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1180		48.1	24.0	ug/L		12/10/11 11:50	12/11/11 18:21	25.0

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.236		0.472	0.236	ug/L		12/16/11 06:00	12/16/11 20:47	1.00
PCB-1221	<0.236		0.472	0.236	ug/L		12/16/11 06:00	12/16/11 20:47	1.00
PCB-1232	<0.236		0.472	0.236	ug/L		12/16/11 06:00	12/16/11 20:47	1.00
PCB-1242	<0.236		0.472	0.236	ug/L		12/16/11 06:00	12/16/11 20:47	1.00
PCB-1248	2.72		0.472	0.236	ug/L		12/16/11 06:00	12/16/11 20:47	1.00
PCB-1254	<0.236		0.472	0.236	ug/L		12/16/11 06:00	12/16/11 20:47	1.00
PCB-1260	1.78		0.472	0.236	ug/L		12/16/11 06:00	12/16/11 20:47	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	60		17 - 142	12/16/11 06:00	12/16/11 20:47	1.00
Decachlorobiphenyl	39		10 - 149	12/16/11 06:00	12/16/11 20:47	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.500	P7	1.00	0.500	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Antimony	<0.0500	P7	0.100	0.0500	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Arsenic	<0.0500	P7	0.100	0.0500	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Barium	<0.0500	P7	0.100	0.0500	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Beryllium	<0.0200	P7	0.0400	0.0200	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Cadmium	<0.00600	P7	0.0100	0.00600	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Calcium	140	P7	10.0	5.00	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Chromium	<0.0250	P7	0.0500	0.0250	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Cobalt	<0.100	P7	0.200	0.100	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Copper	<0.0500	P7	0.100	0.0500	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Iron	<0.250	P7	0.500	0.250	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Lead	0.0440	J P7	0.0500	0.0250	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Magnesium	5.13	J P7	10.0	5.00	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Manganese	<0.0750	P7	0.150	0.0750	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Nickel	<0.0500	P7	0.100	0.0500	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Potassium	5.37	J P7	10.0	5.00	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Selenium	<0.0500	P7	0.100	0.0500	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Silver	<0.0250	P7	0.0500	0.0250	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Sodium	12.4	B P7	10.0	5.00	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Thallium	<0.0500	P7	0.100	0.0500	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Vanadium	<0.100	P7	0.200	0.100	mg/L		12/14/11 07:40	12/14/11 17:19	1.00
Zinc	<0.250	P7	0.500	0.250	mg/L		12/14/11 07:40	12/14/11 17:19	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	39.0		0.100	0.0500	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
Arsenic	0.0263		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
Barium	0.170		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 04:00	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Tract 24 TW-2 (3-7)**

**Lab Sample ID: NVL1390-06**

**Date Collected: 12/07/11 15:45**

**Matrix: Ground Water**

**Date Received: 12/09/11 08:00**

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Calcium</b>	<b>174</b>		1.00	0.500	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Chromium</b>	<b>0.186</b>		0.00500	0.00250	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Cobalt</b>	<b>0.0118</b>	<b>J</b>	0.0200	0.0100	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Copper</b>	<b>0.0361</b>		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Iron</b>	<b>91.9</b>	<b>B1 B</b>	0.0500	0.0250	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Lead</b>	<b>0.444</b>		0.00500	0.00250	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Magnesium</b>	<b>6.88</b>		1.00	0.500	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Manganese</b>	<b>0.168</b>		0.0150	0.00750	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Nickel</b>	<b>0.0951</b>		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Potassium</b>	<b>6.04</b>		1.00	0.500	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Sodium</b>	<b>10.4</b>		1.00	0.500	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Vanadium</b>	<b>0.0842</b>		0.0200	0.0100	mg/L		12/11/11 11:40	12/13/11 04:00	1.00
<b>Zinc</b>	<b>0.352</b>		0.0500	0.0250	mg/L		12/11/11 11:40	12/13/11 04:00	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		12/12/11 13:55	12/13/11 10:57	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<b>0.000228</b>		0.000200	0.000100	mg/L		12/12/11 10:15	12/12/11 15:59	1.00

**Client Sample ID: Trip Blank**

**Lab Sample ID: NVL1390-07**

**Date Collected: 12/07/11 00:01**

**Matrix: Water**

**Date Received: 12/09/11 08:00**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Benzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Bromoform	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Chloroform	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Trip Blank**

**Lab Sample ID: NVL1390-07**

**Date Collected: 12/07/11 00:01**

**Matrix: Water**

**Date Received: 12/09/11 08:00**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	<2.50		5.00	2.50	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,1,2-Trifluoroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Styrene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Toluene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 14:48	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		12/12/11 09:32	12/12/11 14:48	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		70 - 130	12/12/11 09:32	12/12/11 14:48	1.00
Dibromofluoromethane	103		70 - 130	12/12/11 09:32	12/12/11 14:48	1.00
Toluene-d8	99		70 - 130	12/12/11 09:32	12/12/11 14:48	1.00
4-Bromofluorobenzene	99		70 - 130	12/12/11 09:32	12/12/11 14:48	1.00

**Client Sample ID: Trip Blank**

**Lab Sample ID: NVL1390-08**

**Date Collected: 12/07/11 00:01**

**Matrix: Water**

**Date Received: 12/09/11 08:00**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Benzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Trip Blank**

**Lab Sample ID: NVL1390-08**

**Date Collected: 12/07/11 00:01**

**Matrix: Water**

**Date Received: 12/09/11 08:00**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Chloroform	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,1,2-Trifluoro-trichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Styrene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Toluene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 15:14	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		12/12/11 09:32	12/12/11 15:14	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		70 - 130	12/12/11 09:32	12/12/11 15:14	1.00
Dibromofluoromethane	104		70 - 130	12/12/11 09:32	12/12/11 15:14	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Trip Blank**

**Lab Sample ID: NVL1390-08**

**Date Collected: 12/07/11 00:01**

**Matrix: Water**

**Date Received: 12/09/11 08:00**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8	97		70 - 130	12/12/11 09:32	12/12/11 15:14	1.00
4-Bromofluorobenzene	98		70 - 130	12/12/11 09:32	12/12/11 15:14	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 11L3212-BLK1**

**Matrix: Water**

**Analysis Batch: U021830**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L3212\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Benzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Bromoform	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Chloroform	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Styrene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Toluene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		12/12/11 09:32	12/12/11 12:10	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3212-BLK1**

**Matrix: Water**

**Analysis Batch: U021830**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L3212\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<1.50		3.00	1.50	ug/L		12/12/11 09:32	12/12/11 12:10	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		70 - 130	12/12/11 09:32	12/12/11 12:10	1.00
Dibromofluoromethane	104		70 - 130	12/12/11 09:32	12/12/11 12:10	1.00
Toluene-d8	98		70 - 130	12/12/11 09:32	12/12/11 12:10	1.00
4-Bromofluorobenzene	99		70 - 130	12/12/11 09:32	12/12/11 12:10	1.00

**Lab Sample ID: 11L3212-BS1**

**Matrix: Water**

**Analysis Batch: U021830**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L3212\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	265		ug/L		106	54 - 145
Benzene	50.0	49.5		ug/L		99	80 - 121
Bromochloromethane	50.0	54.0		ug/L		108	78 - 129
Bromodichloromethane	50.0	50.0		ug/L		100	75 - 129
Bromoform	50.0	58.6		ug/L		117	46 - 145
Bromomethane	50.0	56.5		ug/L		113	41 - 150
2-Butanone	250	239		ug/L		96	62 - 133
Carbon disulfide	50.0	54.3		ug/L		109	77 - 126
Carbon Tetrachloride	50.0	55.9		ug/L		112	64 - 147
Chlorobenzene	50.0	50.5		ug/L		101	80 - 120
Chlorodibromomethane	50.0	56.3		ug/L		113	69 - 133
Chloroethane	50.0	46.9		ug/L		94	72 - 120
Chloroform	50.0	53.3		ug/L		107	73 - 129
Chloromethane	50.0	54.4		ug/L		109	12 - 150
Cyclohexane	50.0	50.5		ug/L		101	73 - 122
1,2-Dibromo-3-chloropropane	50.0	51.7		ug/L		103	54 - 125
1,2-Dibromoethane (EDB)	50.0	50.3		ug/L		101	80 - 129
Methylcyclohexane	50.0	49.3		ug/L		99	71 - 129
1,2-Dichlorobenzene	50.0	49.3		ug/L		99	80 - 121
1,3-Dichlorobenzene	50.0	52.1		ug/L		104	80 - 122
1,4-Dichlorobenzene	50.0	51.6		ug/L		103	80 - 120
Dichlorodifluoromethane	50.0	37.6		ug/L		75	37 - 127
1,2-Dichloroethane	50.0	50.3		ug/L		101	77 - 121
1,1-Dichloroethane	50.0	54.4		ug/L		109	78 - 125
1,1-Dichloroethene	50.0	55.7		ug/L		111	79 - 124
trans-1,2-Dichloroethene	50.0	54.8		ug/L		110	79 - 126
1,1,2-Trifluoro-trichloroethane	50.0	57.8		ug/L		116	77 - 129
cis-1,2-Dichloroethene	50.0	53.2		ug/L		106	76 - 125
1,2-Dichloropropane	50.0	46.2		ug/L		92	75 - 120
trans-1,3-Dichloropropene	50.0	47.6		ug/L		95	63 - 134
cis-1,3-Dichloropropene	50.0	50.0		ug/L		100	74 - 140
Ethylbenzene	50.0	52.4		ug/L		105	80 - 130
2-Hexanone	250	229		ug/L		92	60 - 142
Isopropylbenzene	50.0	57.5		ug/L		115	80 - 141
Methyl Acetate	50.0	45.3		ug/L		91	64 - 150
Methyl tert-Butyl Ether	50.0	51.0		ug/L		102	72 - 133

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3212-BS1**

**Matrix: Water**

**Analysis Batch: U021830**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L3212\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	50.0	52.8		ug/L		106	79 - 123	
4-Methyl-2-pentanone	250	229		ug/L		91	60 - 137	
Styrene	50.0	53.4		ug/L		107	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	46.2		ug/L		92	69 - 131	
Tetrachloroethene	50.0	51.8		ug/L		104	80 - 126	
Toluene	50.0	50.6		ug/L		101	80 - 126	
1,2,4-Trichlorobenzene	50.0	55.0		ug/L		110	63 - 133	
1,2,3-Trichlorobenzene	50.0	51.6		ug/L		103	62 - 133	
1,1,1-Trichloroethane	50.0	54.0		ug/L		108	78 - 135	
1,1,2-Trichloroethane	50.0	45.3		ug/L		91	80 - 124	
Trichloroethene	50.0	51.7		ug/L		103	80 - 123	
Trichlorofluoromethane	50.0	49.0		ug/L		98	65 - 124	
Vinyl chloride	50.0	49.9		ug/L		100	68 - 120	
Xylenes, total	150	158		ug/L		105	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	99		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	95		70 - 130

**Lab Sample ID: 11L3212-BS1**

**Matrix: Water**

**Analysis Batch: U021830**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L3212\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Acetone	250	257		ug/L		103	54 - 145	3	21	
Benzene	50.0	49.9		ug/L		100	80 - 121	0.8	17	
Bromochloromethane	50.0	52.6		ug/L		105	78 - 129	3	17	
Bromodichloromethane	50.0	48.9		ug/L		98	75 - 129	2	18	
Bromoform	50.0	59.0		ug/L		118	46 - 145	0.6	16	
Bromomethane	50.0	51.9		ug/L		104	41 - 150	9	50	
2-Butanone	250	239		ug/L		95	62 - 133	0.2	19	
Carbon disulfide	50.0	49.6		ug/L		99	77 - 126	9	21	
Carbon Tetrachloride	50.0	55.1		ug/L		110	64 - 147	1	19	
Chlorobenzene	50.0	50.9		ug/L		102	80 - 120	0.8	14	
Chlorodibromomethane	50.0	56.8		ug/L		114	69 - 133	1	15	
Chloroethane	50.0	43.7		ug/L		87	72 - 120	7	20	
Chloroform	50.0	49.4		ug/L		99	73 - 129	8	18	
Chloromethane	50.0	51.3		ug/L		103	12 - 150	6	31	
Cyclohexane	50.0	51.0		ug/L		102	73 - 122	0.9	16	
1,2-Dibromo-3-chloropropane	50.0	52.8		ug/L		106	54 - 125	2	24	
1,2-Dibromoethane (EDB)	50.0	51.0		ug/L		102	80 - 129	1	15	
Methylcyclohexane	50.0	49.0		ug/L		98	71 - 129	0.7	19	
1,2-Dichlorobenzene	50.0	51.0		ug/L		102	80 - 121	3	15	
1,3-Dichlorobenzene	50.0	52.8		ug/L		106	80 - 122	1	15	
1,4-Dichlorobenzene	50.0	52.3		ug/L		105	80 - 120	1	15	
Dichlorodifluoromethane	50.0	35.7		ug/L		71	37 - 127	5	18	
1,2-Dichloroethane	50.0	49.8		ug/L		100	77 - 121	1	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3212-BSD1**

**Matrix: Water**

**Analysis Batch: U021830**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L3212\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,1-Dichloroethane	50.0	50.0		ug/L		100	78 - 125	8	17	
1,1-Dichloroethene	50.0	49.1		ug/L		98	79 - 124	13	17	
trans-1,2-Dichloroethene	50.0	51.5		ug/L		103	79 - 126	6	16	
1,1,2-Trifluorotrichloroethane	50.0	51.2		ug/L		102	77 - 129	12	18	
cis-1,2-Dichloroethene	50.0	49.8		ug/L		100	76 - 125	7	17	
1,2-Dichloropropane	50.0	45.4		ug/L		91	75 - 120	2	17	
trans-1,3-Dichloropropene	50.0	49.7		ug/L		99	63 - 134	4	14	
cis-1,3-Dichloropropene	50.0	51.3		ug/L		103	74 - 140	3	15	
Ethylbenzene	50.0	51.8		ug/L		104	80 - 130	1	15	
2-Hexanone	250	248		ug/L		99	60 - 142	8	15	
Isopropylbenzene	50.0	57.6		ug/L		115	80 - 141	0.2	16	
Methyl Acetate	50.0	41.4		ug/L		83	64 - 150	9	31	
Methyl tert-Butyl Ether	50.0	48.8		ug/L		98	72 - 133	4	16	
Methylene Chloride	50.0	50.0		ug/L		100	79 - 123	6	17	
4-Methyl-2-pentanone	250	230		ug/L		92	60 - 137	0.5	17	
Styrene	50.0	53.0		ug/L		106	80 - 127	0.7	24	
1,1,2,2-Tetrachloroethane	50.0	47.9		ug/L		96	69 - 131	4	20	
Tetrachloroethene	50.0	53.0		ug/L		106	80 - 126	2	16	
Toluene	50.0	48.2		ug/L		96	80 - 126	5	15	
1,2,4-Trichlorobenzene	50.0	56.0		ug/L		112	63 - 133	2	19	
1,2,3-Trichlorobenzene	50.0	54.6		ug/L		109	62 - 133	6	25	
1,1,1-Trichloroethane	50.0	53.3		ug/L		107	78 - 135	1	17	
1,1,2-Trichloroethane	50.0	47.8		ug/L		96	80 - 124	5	15	
Trichloroethene	50.0	51.1		ug/L		102	80 - 123	1	17	
Trichlorofluoromethane	50.0	45.5		ug/L		91	65 - 124	7	18	
Vinyl chloride	50.0	47.0		ug/L		94	68 - 120	6	17	
Xylenes, total	150	156		ug/L		104	80 - 132	0.7	15	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	99		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8	96		70 - 130
4-Bromofluorobenzene	98		70 - 130

**Lab Sample ID: 11L3212-MS1**

**Matrix: Water**

**Analysis Batch: U021830**

**Client Sample ID: Tract 24 TW-1 (4-8)**

**Prep Type: Total**

**Prep Batch: 11L3212\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	<25.0		250	298		ug/L		119	45 - 141	
Benzene	0.760	J	50.0	56.3		ug/L		111	75 - 133	
Bromochloromethane	<0.500		50.0	57.8		ug/L		116	67 - 139	
Bromodichloromethane	<0.500		50.0	58.0		ug/L		116	70 - 140	
Bromoform	<0.500		50.0	59.2		ug/L		118	42 - 147	
Bromomethane	<0.500		50.0	29.5		ug/L		59	16 - 163	
2-Butanone	<25.0		250	256		ug/L		102	50 - 138	
Carbon disulfide	<0.500		50.0	59.2		ug/L		118	48 - 152	
Carbon Tetrachloride	<0.500		50.0	62.2		ug/L		124	62 - 164	
Chlorobenzene	<0.500		50.0	51.2		ug/L		102	80 - 129	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3212-MS1**

**Matrix: Water**

**Analysis Batch: U021830**

**Client Sample ID: Tract 24 TW-1 (4-8)**

**Prep Type: Total**

**Prep Batch: 11L3212\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Chlorodibromomethane	<0.500		50.0	58.0		ug/L		116	66 - 140
Chloroethane	<0.500		50.0	49.2		ug/L		98	58 - 137
Chloroform	<0.500		50.0	56.4		ug/L		113	66 - 138
Chloromethane	<0.500		50.0	44.9		ug/L		90	10 - 169
Cyclohexane	<2.50	M7	50.0	73.2	M7	ug/L		146	58 - 144
1,2-Dibromo-3-chloropropane	<5.00		50.0	56.4		ug/L		113	52 - 126
1,2-Dibromoethane (EDB)	<0.500		50.0	53.0		ug/L		106	75 - 137
Methylcyclohexane	15.7	M7	50.0	123	M7	ug/L		216	59 - 151
1,2-Dichlorobenzene	<0.500		50.0	51.8		ug/L		104	79 - 128
1,3-Dichlorobenzene	<0.500		50.0	54.2		ug/L		108	77 - 131
1,4-Dichlorobenzene	<0.500		50.0	53.8		ug/L		108	78 - 126
Dichlorodifluoromethane	<0.600		50.0	26.9		ug/L		54	40 - 127
1,2-Dichloroethane	<0.500		50.0	55.0		ug/L		110	64 - 136
1,1-Dichloroethane	<0.500		50.0	56.7		ug/L		113	71 - 139
1,1-Dichloroethene	<0.500		50.0	59.9		ug/L		120	70 - 142
trans-1,2-Dichloroethene	<0.500		50.0	57.6		ug/L		115	66 - 143
1,1,2-Trifluorotrchloroethane	<0.500		50.0	62.6		ug/L		125	72 - 148
cis-1,2-Dichloroethene	<0.500		50.0	55.7		ug/L		111	68 - 138
1,2-Dichloropropane	<0.500		50.0	52.4		ug/L		105	67 - 131
trans-1,3-Dichloropropene	<0.500		50.0	53.4		ug/L		107	59 - 135
cis-1,3-Dichloropropene	<0.500		50.0	53.8		ug/L		108	71 - 141
Ethylbenzene	0.830	J	50.0	54.1		ug/L		106	79 - 139
2-Hexanone	<5.00		250	259		ug/L		103	50 - 150
Isopropylbenzene	2.19		50.0	67.2		ug/L		130	80 - 153
Methyl Acetate	<5.00		50.0	45.6		ug/L		91	30 - 165
Methyl tert-Butyl Ether	1.38		50.0	55.3		ug/L		108	66 - 141
Methylene Chloride	<2.50		50.0	54.6		ug/L		109	64 - 139
4-Methyl-2-pentanone	<5.00		250	265		ug/L		106	50 - 147
Styrene	<0.500		50.0	53.8		ug/L		108	61 - 148
1,1,2,2-Tetrachloroethane	<0.500		50.0	50.7		ug/L		101	56 - 143
Tetrachloroethene	<0.500		50.0	57.1		ug/L		114	72 - 145
Toluene	2.63		50.0	54.0		ug/L		103	75 - 136
1,2,4-Trichlorobenzene	<0.500		50.0	58.7		ug/L		117	60 - 136
1,2,3-Trichlorobenzene	<0.500		50.0	57.7		ug/L		115	55 - 138
1,1,1-Trichloroethane	<0.500		50.0	59.8		ug/L		120	76 - 149
1,1,2-Trichloroethane	<0.500		50.0	55.6		ug/L		111	74 - 134
Trichloroethene	<0.500		50.0	57.3		ug/L		115	73 - 144
Trichlorofluoromethane	<0.500		50.0	47.6		ug/L		95	58 - 139
Vinyl chloride	<0.500		50.0	45.8		ug/L		92	56 - 129
Xylenes, total	3.72		150	162		ug/L		106	74 - 141

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	100		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8	101		70 - 130
4-Bromofluorobenzene	102		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3212-MSD1**

**Matrix: Water**

**Analysis Batch: U021830**

**Client Sample ID: Tract 24 TW-1 (4-8)**

**Prep Type: Total**

**Prep Batch: 11L3212\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
	Result								Limits	RPD		
Acetone	<25.0		250	265		ug/L		106	45 - 141	11	21	
Benzene	0.760	J	50.0	54.8		ug/L		108	75 - 133	3	17	
Bromochloromethane	<0.500		50.0	55.5		ug/L		111	67 - 139	4	17	
Bromodichloromethane	<0.500		50.0	54.8		ug/L		110	70 - 140	6	18	
Bromoform	<0.500		50.0	60.2		ug/L		120	42 - 147	2	16	
Bromomethane	<0.500		50.0	33.5		ug/L		67	16 - 163	13	50	
2-Butanone	<25.0		250	243		ug/L		97	50 - 138	5	19	
Carbon disulfide	<0.500		50.0	59.3		ug/L		119	48 - 152	0.2	21	
Carbon Tetrachloride	<0.500		50.0	60.0		ug/L		120	62 - 164	4	19	
Chlorobenzene	<0.500		50.0	53.0		ug/L		106	80 - 129	3	14	
Chlorodibromomethane	<0.500		50.0	60.2		ug/L		120	66 - 140	4	15	
Chloroethane	<0.500		50.0	46.5		ug/L		93	58 - 137	6	20	
Chloroform	<0.500		50.0	53.2		ug/L		106	66 - 138	6	18	
Chloromethane	<0.500		50.0	43.7		ug/L		87	10 - 169	3	31	
Cyclohexane	<2.50	M7	50.0	65.8		ug/L		132	58 - 144	11	16	
1,2-Dibromo-3-chloropropane	<5.00		50.0	58.6		ug/L		117	52 - 126	4	24	
1,2-Dibromoethane (EDB)	<0.500		50.0	55.0		ug/L		110	75 - 137	4	15	
Methylcyclohexane	15.7	M7	50.0	62.4	R2	ug/L		93	59 - 151	66	19	
1,2-Dichlorobenzene	<0.500		50.0	53.7		ug/L		107	79 - 128	4	15	
1,3-Dichlorobenzene	<0.500		50.0	55.6		ug/L		111	77 - 131	2	15	
1,4-Dichlorobenzene	<0.500		50.0	55.1		ug/L		110	78 - 126	2	15	
Dichlorodifluoromethane	<0.600		50.0	26.4		ug/L		53	40 - 127	2	18	
1,2-Dichloroethane	<0.500		50.0	52.7		ug/L		105	64 - 136	4	17	
1,1-Dichloroethane	<0.500		50.0	55.6		ug/L		111	71 - 139	2	17	
1,1-Dichloroethene	<0.500		50.0	58.1		ug/L		116	70 - 142	3	17	
trans-1,2-Dichloroethene	<0.500		50.0	57.6		ug/L		115	66 - 143	0.07	16	
1,1,2-Trifluorotrchloroethane	<0.500		50.0	61.6		ug/L		123	72 - 148	2	18	
cis-1,2-Dichloroethene	<0.500		50.0	54.7		ug/L		109	68 - 138	2	17	
1,2-Dichloropropane	<0.500		50.0	50.8		ug/L		102	67 - 131	3	17	
trans-1,3-Dichloropropene	<0.500		50.0	55.6		ug/L		111	59 - 135	4	14	
cis-1,3-Dichloropropene	<0.500		50.0	57.1		ug/L		114	71 - 141	6	15	
Ethylbenzene	0.830	J	50.0	55.7		ug/L		110	79 - 139	3	15	
2-Hexanone	<5.00		250	280		ug/L		112	50 - 150	8	15	
Isopropylbenzene	2.19		50.0	61.0		ug/L		118	80 - 153	10	16	
Methyl Acetate	<5.00		50.0	44.3		ug/L		89	30 - 165	3	31	
Methyl tert-Butyl Ether	1.38		50.0	57.1		ug/L		111	66 - 141	3	16	
Methylene Chloride	<2.50		50.0	54.5		ug/L		109	64 - 139	0.2	17	
4-Methyl-2-pentanone	<5.00		250	301		ug/L		120	50 - 147	13	17	
Styrene	<0.500		50.0	54.7		ug/L		109	61 - 148	2	24	
1,1,2,2-Tetrachloroethane	<0.500		50.0	51.9		ug/L		104	56 - 143	2	20	
Tetrachloroethene	<0.500		50.0	57.7		ug/L		115	72 - 145	1	16	
Toluene	2.63		50.0	57.4		ug/L		110	75 - 136	6	15	
1,2,4-Trichlorobenzene	<0.500		50.0	59.4		ug/L		119	60 - 136	1	19	
1,2,3-Trichlorobenzene	<0.500		50.0	58.0		ug/L		116	55 - 138	0.6	25	
1,1,1-Trichloroethane	<0.500		50.0	57.9		ug/L		116	76 - 149	3	17	
1,1,2-Trichloroethane	<0.500		50.0	58.4		ug/L		117	74 - 134	5	15	
Trichloroethene	<0.500		50.0	55.7		ug/L		111	73 - 144	3	17	
Trichlorofluoromethane	<0.500		50.0	47.0		ug/L		94	58 - 139	1	18	
Vinyl chloride	<0.500		50.0	45.4		ug/L		91	56 - 129	0.9	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3212-MSD1**

**Matrix: Water**

**Analysis Batch: U021830**

**Client Sample ID: Tract 24 TW-1 (4-8)**

**Prep Type: Total**

**Prep Batch: 11L3212\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	3.72		150	166		ug/L		108	74 - 141	3	15

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
1,2-Dichloroethane-d4	99		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	100		70 - 130

**Lab Sample ID: 11L4221-BLK1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,1,2-Trifluoroethane	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4221-BLK1**  
**Matrix: Soil**  
**Analysis Batch: U022319**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11L4221\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	95		70 - 130	12/19/11 11:43	12/19/11 14:59	1.00
Dibromofluoromethane	102		70 - 130	12/19/11 11:43	12/19/11 14:59	1.00
Toluene-d8	98		70 - 130	12/19/11 11:43	12/19/11 14:59	1.00
4-Bromofluorobenzene	100		70 - 130	12/19/11 11:43	12/19/11 14:59	1.00

**Lab Sample ID: 11L4221-BS1**  
**Matrix: Soil**  
**Analysis Batch: U022319**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L4221\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	250	240		ug/kg		96	51 - 149
Benzene	50.0	50.6		ug/kg		101	75 - 127
Bromochloromethane	50.0	53.2		ug/kg		106	70 - 132
Bromodichloromethane	50.0	51.1		ug/kg		102	68 - 135
Bromoform	50.0	49.3		ug/kg		99	36 - 150
Bromomethane	50.0	50.1		ug/kg		100	43 - 142
2-Butanone	250	244		ug/kg		98	61 - 132
Carbon disulfide	50.0	50.4		ug/kg		101	74 - 135
Carbon Tetrachloride	50.0	49.9		ug/kg		100	70 - 141
Chlorobenzene	50.0	54.4		ug/kg		109	84 - 125
Chlorodibromomethane	50.0	54.2		ug/kg		108	66 - 134
Chloroethane	50.0	52.1		ug/kg		104	53 - 144
Chloroform	50.0	47.1		ug/kg		94	76 - 130
Chloromethane	50.0	46.6		ug/kg		93	23 - 150
Cyclohexane	50.0	49.2		ug/kg		98	70 - 133
1,2-Dibromo-3-chloropropane	50.0	45.9		ug/kg		92	49 - 142
1,2-Dibromoethane (EDB)	50.0	52.1		ug/kg		104	80 - 135
Methylcyclohexane	50.0	51.5		ug/kg		103	69 - 140
1,2-Dichlorobenzene	50.0	60.6		ug/kg		121	80 - 134
1,3-Dichlorobenzene	50.0	62.6		ug/kg		125	79 - 137
1,4-Dichlorobenzene	50.0	65.5		ug/kg		131	77 - 139
Dichlorodifluoromethane	50.0	42.3		ug/kg		85	12 - 144
1,2-Dichloroethane	50.0	49.2		ug/kg		98	65 - 134

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4221-BS1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
1,1-Dichloroethane	50.0	49.8		ug/kg		100	75 - 124	
1,1-Dichloroethene	50.0	50.2		ug/kg		100	75 - 131	
trans-1,2-Dichloroethene	50.0	51.8		ug/kg		104	76 - 128	
1,1,2-Trifluorotrchloroethane	50.0	50.9		ug/kg		102	67 - 136	
cis-1,2-Dichloroethene	50.0	50.6		ug/kg		101	75 - 125	
1,2-Dichloropropane	50.0	47.4		ug/kg		95	69 - 120	
trans-1,3-Dichloropropene	50.0	52.1		ug/kg		104	62 - 139	
cis-1,3-Dichloropropene	50.0	54.1		ug/kg		108	73 - 148	
Ethylbenzene	50.0	50.1		ug/kg		100	80 - 134	
2-Hexanone	250	235		ug/kg		94	57 - 148	
Isopropylbenzene	50.0	55.8		ug/kg		112	80 - 150	
Methyl Acetate	50.0	244	L1	ug/kg		489	11 - 170	
Methyl tert-Butyl Ether	50.0	51.2		ug/kg		102	70 - 136	
Methylene Chloride	50.0	52.3		ug/kg		105	68 - 144	
4-Methyl-2-pentanone	250	238		ug/kg		95	59 - 138	
Styrene	50.0	58.4		ug/kg		117	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	48.6		ug/kg		97	66 - 134	
Tetrachloroethene	50.0	54.3		ug/kg		109	78 - 140	
Toluene	50.0	51.2		ug/kg		102	80 - 132	
1,2,4-Trichlorobenzene	50.0	83.8	L	ug/kg		168	62 - 150	
1,2,3-Trichlorobenzene	50.0	73.9		ug/kg		148	70 - 150	
1,1,1-Trichloroethane	50.0	49.4		ug/kg		99	72 - 140	
1,1,2-Trichloroethane	50.0	49.2		ug/kg		98	78 - 128	
Trichloroethene	50.0	53.7		ug/kg		107	77 - 127	
Trichlorofluoromethane	50.0	46.6		ug/kg		93	50 - 140	
Vinyl chloride	50.0	49.8		ug/kg		100	47 - 136	
Xylenes, total	150	164		ug/kg		109	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	95		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	96		70 - 130

**Lab Sample ID: 11L4221-BSD1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits			
Acetone	250	251		ug/kg		100	51 - 149	4	50	
Benzene	50.0	53.4		ug/kg		107	75 - 127	5	50	
Bromochloromethane	50.0	55.9		ug/kg		112	70 - 132	5	50	
Bromodichloromethane	50.0	54.6		ug/kg		109	68 - 135	7	50	
Bromoform	50.0	51.6		ug/kg		103	36 - 150	5	50	
Bromomethane	50.0	52.4		ug/kg		105	43 - 142	4	50	
2-Butanone	250	255		ug/kg		102	61 - 132	4	50	
Carbon disulfide	50.0	52.5		ug/kg		105	74 - 135	4	50	
Carbon Tetrachloride	50.0	52.8		ug/kg		106	70 - 141	6	50	
Chlorobenzene	50.0	56.5		ug/kg		113	84 - 125	4	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4221-BSD1

Matrix: Soil

Analysis Batch: U022319

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11L4221\_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	Limit
Chlorodibromomethane	50.0	56.9		ug/kg		114	66 - 134	5	50	
Chloroethane	50.0	54.6		ug/kg		109	53 - 144	5	50	
Chloroform	50.0	49.7		ug/kg		99	76 - 130	5	49	
Chloromethane	50.0	45.7		ug/kg		91	23 - 150	2	50	
Cyclohexane	50.0	51.4		ug/kg		103	70 - 133	5	50	
1,2-Dibromo-3-chloropropane	50.0	48.5		ug/kg		97	49 - 142	5	50	
1,2-Dibromoethane (EDB)	50.0	53.2		ug/kg		106	80 - 135	2	50	
Methylcyclohexane	50.0	53.7		ug/kg		107	69 - 140	4	50	
1,2-Dichlorobenzene	50.0	63.0		ug/kg		126	80 - 134	4	50	
1,3-Dichlorobenzene	50.0	65.1		ug/kg		130	79 - 137	4	50	
1,4-Dichlorobenzene	50.0	68.3		ug/kg		137	77 - 139	4	50	
Dichlorodifluoromethane	50.0	42.2		ug/kg		84	12 - 144	0.3	50	
1,2-Dichloroethane	50.0	51.9		ug/kg		104	65 - 134	5	50	
1,1-Dichloroethane	50.0	52.2		ug/kg		104	75 - 124	5	50	
1,1-Dichloroethene	50.0	52.8		ug/kg		106	75 - 131	5	50	
trans-1,2-Dichloroethene	50.0	53.3		ug/kg		107	76 - 128	3	50	
1,1,1-Trifluorotrchloroethane	50.0	53.5		ug/kg		107	67 - 136	5	50	
cis-1,2-Dichloroethene	50.0	53.3		ug/kg		107	75 - 125	5	50	
1,2-Dichloropropane	50.0	50.1		ug/kg		100	69 - 120	6	50	
trans-1,3-Dichloropropene	50.0	54.9		ug/kg		110	62 - 139	5	50	
cis-1,3-Dichloropropene	50.0	56.1		ug/kg		112	73 - 148	4	50	
Ethylbenzene	50.0	51.6		ug/kg		103	80 - 134	3	50	
2-Hexanone	250	248		ug/kg		99	57 - 148	5	50	
Isopropylbenzene	50.0	57.4		ug/kg		115	80 - 150	3	50	
Methyl Acetate	50.0	236	L1	ug/kg		471	11 - 170	4	50	
Methyl tert-Butyl Ether	50.0	54.4		ug/kg		109	70 - 136	6	50	
Methylene Chloride	50.0	54.6		ug/kg		109	68 - 144	4	50	
4-Methyl-2-pentanone	250	246		ug/kg		99	59 - 138	3	50	
Styrene	50.0	59.8		ug/kg		120	82 - 137	2	50	
1,1,1,2-Tetrachloroethane	50.0	52.7		ug/kg		105	66 - 134	8	50	
Tetrachloroethene	50.0	55.8		ug/kg		112	78 - 140	3	50	
Toluene	50.0	52.7		ug/kg		105	80 - 132	3	50	
1,2,4-Trichlorobenzene	50.0	87.4	L	ug/kg		175	62 - 150	4	50	
1,2,3-Trichlorobenzene	50.0	76.8	L	ug/kg		154	70 - 150	4	50	
1,1,1-Trichloroethane	50.0	51.5		ug/kg		103	72 - 140	4	50	
1,1,2-Trichloroethane	50.0	51.3		ug/kg		103	78 - 128	4	50	
Trichloroethene	50.0	57.1		ug/kg		114	77 - 127	6	50	
Trichlorofluoromethane	50.0	48.2		ug/kg		96	50 - 140	3	50	
Vinyl chloride	50.0	51.3		ug/kg		103	47 - 136	3	50	
Xylenes, total	150	166		ug/kg		110	80 - 137	1	50	

Surrogate	LCS Dup		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	96		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	99		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4221-MS1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result		Added	Result	Qualifier				
Acetone	0.0505		0.294	0.287		mg/kg dry	☼	80	19 - 175
Benzene	<0.00132		0.0588	0.0503		mg/kg dry	☼	85	31 - 143
Bromochloromethane	<0.00144		0.0588	0.0537		mg/kg dry	☼	91	31 - 141
Bromodichloromethane	<0.00120		0.0588	0.0507		mg/kg dry	☼	86	19 - 148
Bromoform	<0.00120		0.0588	0.0420		mg/kg dry	☼	71	10 - 165
Bromomethane	<0.00144		0.0588	0.0467		mg/kg dry	☼	79	10 - 164
2-Butanone	<0.0300		0.294	0.254		mg/kg dry	☼	86	18 - 153
Carbon disulfide	<0.00432		0.0588	0.0470		mg/kg dry	☼	80	32 - 144
Carbon Tetrachloride	<0.00120		0.0588	0.0491		mg/kg dry	☼	83	31 - 149
Chlorobenzene	<0.00132		0.0588	0.0465		mg/kg dry	☼	79	25 - 152
Chlorodibromomethane	<0.00120		0.0588	0.0495		mg/kg dry	☼	84	14 - 146
Chloroethane	<0.00300		0.0588	0.0555		mg/kg dry	☼	94	10 - 151
Chloroform	<0.00156		0.0588	0.0485		mg/kg dry	☼	82	34 - 160
Chloromethane	<0.00132		0.0588	0.0456		mg/kg dry	☼	77	10 - 156
Cyclohexane	<0.00599		0.0588	0.0492		mg/kg dry	☼	84	32 - 158
1,2-Dibromo-3-chloropropane	<0.00300		0.0588	0.0361		mg/kg dry	☼	61	10 - 147
1,2-Dibromoethane (EDB)	<0.00120		0.0588	0.0478		mg/kg dry	☼	81	18 - 156
Methylcyclohexane	<0.00599		0.0588	0.0501		mg/kg dry	☼	85	29 - 167
1,2-Dichlorobenzene	<0.00120		0.0588	0.0448		mg/kg dry	☼	76	10 - 160
1,3-Dichlorobenzene	<0.00144		0.0588	0.0465		mg/kg dry	☼	79	10 - 162
1,4-Dichlorobenzene	<0.00132		0.0588	0.0482		mg/kg dry	☼	82	11 - 159
Dichlorodifluoromethane	<0.00168		0.0588	0.0435		mg/kg dry	☼	74	10 - 143
1,2-Dichloroethane	<0.00132		0.0588	0.0497		mg/kg dry	☼	84	28 - 138
1,1-Dichloroethane	<0.00156		0.0588	0.0514		mg/kg dry	☼	87	42 - 136
1,1-Dichloroethene	<0.00144		0.0588	0.0495		mg/kg dry	☼	84	41 - 143
trans-1,2-Dichloroethene	<0.00156		0.0588	0.0501		mg/kg dry	☼	85	39 - 140
1,1,1-Trifluorotrchloroethane	<0.00132		0.0588	0.0534		mg/kg dry	☼	91	42 - 147
cis-1,2-Dichloroethene	<0.00132		0.0588	0.0515		mg/kg dry	☼	87	36 - 139
1,2-Dichloropropane	<0.00120		0.0588	0.0485		mg/kg dry	☼	82	20 - 146
trans-1,3-Dichloropropene	<0.00120		0.0588	0.0478		mg/kg dry	☼	81	10 - 157
cis-1,3-Dichloropropene	<0.00120		0.0588	0.0515		mg/kg dry	☼	87	15 - 166
Ethylbenzene	<0.00132		0.0588	0.0450		mg/kg dry	☼	77	23 - 161
2-Hexanone	<0.0300		0.294	0.227		mg/kg dry	☼	77	10 - 169
Isopropylbenzene	<0.00132		0.0588	0.0488		mg/kg dry	☼	83	23 - 181
Methyl Acetate	<0.00599		0.0588	0.241	M7	mg/kg dry	☼	410	10 - 200
Methyl tert-Butyl Ether	<0.00120		0.0588	0.0556		mg/kg dry	☼	95	28 - 141
Methylene Chloride	<0.00599		0.0588	0.0538		mg/kg dry	☼	92	24 - 182
4-Methyl-2-pentanone	<0.0300		0.294	0.241		mg/kg dry	☼	82	10 - 168
Styrene	<0.00132		0.0588	0.0377		mg/kg dry	☼	64	10 - 165
1,1,1,2-Tetrachloroethane	<0.00120		0.0588	0.0438		mg/kg dry	☼	74	10 - 162
Tetrachloroethene	<0.00156		0.0588	0.0505		mg/kg dry	☼	86	33 - 161
Toluene	<0.00132		0.0588	0.0482		mg/kg dry	☼	82	30 - 155
1,2,4-Trichlorobenzene	<0.00144		0.0588	0.0490		mg/kg dry	☼	83	10 - 167
1,2,3-Trichlorobenzene	<0.00132		0.0588	0.0429		mg/kg dry	☼	73	10 - 157
1,1,1-Trichloroethane	<0.00120		0.0588	0.0646		mg/kg dry	☼	110	35 - 149
1,1,2-Trichloroethane	<0.00300		0.0588	0.0482		mg/kg dry	☼	82	19 - 157
Trichloroethene	<0.00120		0.0588	0.0532		mg/kg dry	☼	90	27 - 153
Trichlorofluoromethane	<0.00120		0.0588	0.0487		mg/kg dry	☼	83	25 - 137
Vinyl chloride	<0.00120		0.0588	0.0505		mg/kg dry	☼	86	20 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4221-MS1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Xylenes, total	<0.00300		0.176	0.141		mg/kg dry	☼	80	25 - 162	
<b>Surrogate</b>	<b>Matrix Spike</b>	<b>Matrix Spike</b>	<b>Limits</b>							
	<b>%Recovery</b>	<b>Qualifier</b>								
1,2-Dichloroethane-d4	95		70 - 130							
Dibromofluoromethane	102		70 - 130							
Toluene-d8	99		70 - 130							
4-Bromofluorobenzene	100		70 - 130							

**Lab Sample ID: 11L4221-MSD1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	0.0505		0.292	0.276		mg/kg dry	☼	77	19 - 175	4	50	
Benzene	<0.00132		0.0584	0.0489		mg/kg dry	☼	84	31 - 143	3	50	
Bromochloromethane	<0.00144		0.0584	0.0523		mg/kg dry	☼	90	31 - 141	3	50	
Bromodichloromethane	<0.00120		0.0584	0.0479		mg/kg dry	☼	82	19 - 148	6	50	
Bromoform	<0.00120		0.0584	0.0409		mg/kg dry	☼	70	10 - 165	3	50	
Bromomethane	<0.00144		0.0584	0.0480		mg/kg dry	☼	82	10 - 164	3	50	
2-Butanone	<0.0300		0.292	0.245		mg/kg dry	☼	84	18 - 153	4	50	
Carbon disulfide	<0.00432		0.0584	0.0454		mg/kg dry	☼	78	32 - 144	3	50	
Carbon Tetrachloride	<0.00120		0.0584	0.0478		mg/kg dry	☼	82	31 - 149	3	50	
Chlorobenzene	<0.00132		0.0584	0.0460		mg/kg dry	☼	79	25 - 152	1	50	
Chlorodibromomethane	<0.00120		0.0584	0.0475		mg/kg dry	☼	81	14 - 146	4	50	
Chloroethane	<0.00300		0.0584	0.0529		mg/kg dry	☼	91	10 - 151	5	50	
Chloroform	<0.00156		0.0584	0.0468		mg/kg dry	☼	80	34 - 160	4	49	
Chloromethane	<0.00132		0.0584	0.0435		mg/kg dry	☼	74	10 - 156	5	50	
Cyclohexane	<0.00599		0.0584	0.0477		mg/kg dry	☼	82	32 - 158	3	50	
1,2-Dibromo-3-chloropropane	<0.00300		0.0584	0.0357		mg/kg dry	☼	61	10 - 147	1	50	
1,2-Dibromoethane (EDB)	<0.00120		0.0584	0.0463		mg/kg dry	☼	79	18 - 156	3	50	
Methylcyclohexane	<0.00599		0.0584	0.0483		mg/kg dry	☼	83	29 - 167	4	50	
1,2-Dichlorobenzene	<0.00120		0.0584	0.0456		mg/kg dry	☼	78	10 - 160	2	50	
1,3-Dichlorobenzene	<0.00144		0.0584	0.0479		mg/kg dry	☼	82	10 - 162	3	50	
1,4-Dichlorobenzene	<0.00132		0.0584	0.0489		mg/kg dry	☼	84	11 - 159	1	50	
Dichlorodifluoromethane	<0.00168		0.0584	0.0416		mg/kg dry	☼	71	10 - 143	4	50	
1,2-Dichloroethane	<0.00132		0.0584	0.0483		mg/kg dry	☼	83	28 - 138	3	50	
1,1-Dichloroethane	<0.00156		0.0584	0.0500		mg/kg dry	☼	86	42 - 136	3	50	
1,1-Dichloroethene	<0.00144		0.0584	0.0479		mg/kg dry	☼	82	41 - 143	3	50	
trans-1,2-Dichloroethene	<0.00156		0.0584	0.0483		mg/kg dry	☼	83	39 - 140	4	50	
1,1,2-Trifluorotrichloroethane	<0.00132		0.0584	0.0508		mg/kg dry	☼	87	42 - 147	5	50	
cis-1,2-Dichloroethene	<0.00132		0.0584	0.0491		mg/kg dry	☼	84	36 - 139	5	50	
1,2-Dichloropropane	<0.00120		0.0584	0.0472		mg/kg dry	☼	81	20 - 146	3	50	
trans-1,3-Dichloropropene	<0.00120		0.0584	0.0465		mg/kg dry	☼	80	10 - 157	3	50	
cis-1,3-Dichloropropene	<0.00120		0.0584	0.0494		mg/kg dry	☼	85	15 - 166	4	50	
Ethylbenzene	<0.00132		0.0584	0.0436		mg/kg dry	☼	75	23 - 161	3	50	
2-Hexanone	<0.0300		0.292	0.219		mg/kg dry	☼	75	10 - 169	4	50	
Isopropylbenzene	<0.00132		0.0584	0.0471		mg/kg dry	☼	81	23 - 181	4	50	
Methyl Acetate	<0.00599		0.0584	0.244	M7	mg/kg dry	☼	417	10 - 200	1	50	
Methyl tert-Butyl Ether	<0.00120		0.0584	0.0537		mg/kg dry	☼	92	28 - 141	4	50	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4221-MSD1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Methylene Chloride	<0.00599		0.0584	0.0533		mg/kg dry	*	91	24 - 182	0.9	50
4-Methyl-2-pentanone	<0.0300		0.292	0.232		mg/kg dry	*	79	10 - 168	4	50
Styrene	<0.00132		0.0584	0.0361		mg/kg dry	*	62	10 - 165	4	50
1,1,2,2-Tetrachloroethane	<0.00120		0.0584	0.0432		mg/kg dry	*	74	10 - 162	1	50
Tetrachloroethene	<0.00156		0.0584	0.0492		mg/kg dry	*	84	33 - 161	3	50
Toluene	<0.00132		0.0584	0.0470		mg/kg dry	*	80	30 - 155	3	50
1,2,4-Trichlorobenzene	<0.00144		0.0584	0.0543		mg/kg dry	*	93	10 - 167	10	50
1,2,3-Trichlorobenzene	<0.00132		0.0584	0.0457		mg/kg dry	*	78	10 - 157	6	50
1,1,1-Trichloroethane	<0.00120		0.0584	0.0616		mg/kg dry	*	106	35 - 149	5	50
1,1,2-Trichloroethane	<0.00300		0.0584	0.0471		mg/kg dry	*	81	19 - 157	2	50
Trichloroethene	<0.00120		0.0584	0.0519		mg/kg dry	*	89	27 - 153	3	50
Trichlorofluoromethane	<0.00120		0.0584	0.0464		mg/kg dry	*	80	25 - 137	5	50
Vinyl chloride	<0.00120		0.0584	0.0489		mg/kg dry	*	84	20 - 141	3	50
Xylenes, total	<0.00300		0.175	0.136		mg/kg dry	*	77	25 - 162	4	50

**Matrix Spike Dup    Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	95		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	101		70 - 130

**Lab Sample ID: 11L4561-BLK1**

**Matrix: Soil**

**Analysis Batch: U022384**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L4561\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4561-BLK1**

**Matrix: Soil**

**Analysis Batch: U022384**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L4561\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,1,2-Trifluorotrchloroethane	<0.00110		0.00200	0.00110	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		12/20/11 11:54	12/20/11 14:14	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	96		70 - 130	12/20/11 11:54	12/20/11 14:14	1.00
Dibromofluoromethane	102		70 - 130	12/20/11 11:54	12/20/11 14:14	1.00
Toluene-d8	96		70 - 130	12/20/11 11:54	12/20/11 14:14	1.00
4-Bromofluorobenzene	101		70 - 130	12/20/11 11:54	12/20/11 14:14	1.00

**Lab Sample ID: 11L4561-BLK2**

**Matrix: Soil**

**Analysis Batch: U022384**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L4561\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4561-BLK2**

**Matrix: Soil**

**Analysis Batch: U022384**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L4561\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,1,2-Trifluoroethane	<0.0550		0.100	0.0550	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Methyl Acetate	1.89		0.500	0.250	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		12/20/11 11:54	12/20/11 14:42	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	91		70 - 130	12/20/11 11:54	12/20/11 14:42	50.0
Dibromofluoromethane	96		70 - 130	12/20/11 11:54	12/20/11 14:42	50.0
Toluene-d8	98		70 - 130	12/20/11 11:54	12/20/11 14:42	50.0
4-Bromofluorobenzene	100		70 - 130	12/20/11 11:54	12/20/11 14:42	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4561-BS1**

**Matrix: Soil**

**Analysis Batch: U022384**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L4561\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	250	234		ug/kg		94	51 - 149
Benzene	50.0	50.4		ug/kg		101	75 - 127
Bromochloromethane	50.0	52.9		ug/kg		106	70 - 132
Bromodichloromethane	50.0	50.6		ug/kg		101	68 - 135
Bromoform	50.0	47.2		ug/kg		94	36 - 150
Bromomethane	50.0	45.7		ug/kg		91	43 - 142
2-Butanone	250	247		ug/kg		99	61 - 132
Carbon disulfide	50.0	49.2		ug/kg		98	74 - 135
Carbon Tetrachloride	50.0	49.0		ug/kg		98	70 - 141
Chlorobenzene	50.0	53.2		ug/kg		106	84 - 125
Chlorodibromomethane	50.0	53.5		ug/kg		107	66 - 134
Chloroethane	50.0	50.4		ug/kg		101	53 - 144
Chloroform	50.0	46.2		ug/kg		92	76 - 130
Chloromethane	50.0	41.9		ug/kg		84	23 - 150
Cyclohexane	50.0	49.4		ug/kg		99	70 - 133
1,2-Dibromo-3-chloropropane	50.0	45.0		ug/kg		90	49 - 142
1,2-Dibromoethane (EDB)	50.0	50.1		ug/kg		100	80 - 135
Methylcyclohexane	50.0	53.0		ug/kg		106	69 - 140
1,2-Dichlorobenzene	50.0	60.9		ug/kg		122	80 - 134
1,3-Dichlorobenzene	50.0	64.2		ug/kg		128	79 - 137
1,4-Dichlorobenzene	50.0	67.1		ug/kg		134	77 - 139
Dichlorodifluoromethane	50.0	37.0		ug/kg		74	12 - 144
1,2-Dichloroethane	50.0	48.6		ug/kg		97	65 - 134
1,1-Dichloroethane	50.0	49.6		ug/kg		99	75 - 124
1,1-Dichloroethene	50.0	48.9		ug/kg		98	75 - 131
trans-1,2-Dichloroethene	50.0	50.5		ug/kg		101	76 - 128
1,1,2-Trifluorotrchloroethane	50.0	51.2		ug/kg		102	67 - 136
cis-1,2-Dichloroethene	50.0	50.1		ug/kg		100	75 - 125
1,2-Dichloropropane	50.0	47.3		ug/kg		95	69 - 120
trans-1,3-Dichloropropene	50.0	52.5		ug/kg		105	62 - 139
cis-1,3-Dichloropropene	50.0	54.4		ug/kg		109	73 - 148
Ethylbenzene	50.0	50.4		ug/kg		101	80 - 134
2-Hexanone	250	240		ug/kg		96	57 - 148
Isopropylbenzene	50.0	56.6		ug/kg		113	80 - 150
Methyl Acetate	50.0	274	L1 B	ug/kg		547	11 - 170
Methyl tert-Butyl Ether	50.0	50.7		ug/kg		101	70 - 136
Methylene Chloride	50.0	50.8		ug/kg		102	68 - 144
4-Methyl-2-pentanone	250	241		ug/kg		96	59 - 138
Styrene	50.0	58.3		ug/kg		117	82 - 137
1,1,2,2-Tetrachloroethane	50.0	48.3		ug/kg		97	66 - 134
Tetrachloroethene	50.0	55.4		ug/kg		111	78 - 140
Toluene	50.0	51.3		ug/kg		103	80 - 132
1,2,4-Trichlorobenzene	50.0	88.9	L	ug/kg		178	62 - 150
1,2,3-Trichlorobenzene	50.0	75.8	L	ug/kg		152	70 - 150
1,1,1-Trichloroethane	50.0	48.0		ug/kg		96	72 - 140
1,1,2-Trichloroethane	50.0	49.3		ug/kg		99	78 - 128
Trichloroethene	50.0	53.4		ug/kg		107	77 - 127
Trichlorofluoromethane	50.0	45.7		ug/kg		91	50 - 140
Vinyl chloride	50.0	47.2		ug/kg		94	47 - 136

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4561-BS1**

**Matrix: Soil**

**Analysis Batch: U022384**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L4561\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, total	150	166		ug/kg		111	80 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	94		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	99		70 - 130

**Lab Sample ID: 11L4561-BSD1**

**Matrix: Soil**

**Analysis Batch: U022384**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L4561\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	237		ug/kg		95	51 - 149	1	50
Benzene	50.0	48.9		ug/kg		98	75 - 127	3	50
Bromochloromethane	50.0	51.8		ug/kg		104	70 - 132	2	50
Bromodichloromethane	50.0	50.1		ug/kg		100	68 - 135	1	50
Bromoform	50.0	49.9		ug/kg		100	36 - 150	6	50
Bromomethane	50.0	45.8		ug/kg		92	43 - 142	0.2	50
2-Butanone	250	248		ug/kg		99	61 - 132	0.5	50
Carbon disulfide	50.0	47.4		ug/kg		95	74 - 135	4	50
Carbon Tetrachloride	50.0	47.8		ug/kg		96	70 - 141	3	50
Chlorobenzene	50.0	54.3		ug/kg		109	84 - 125	2	50
Chlorodibromomethane	50.0	55.2		ug/kg		110	66 - 134	3	50
Chloroethane	50.0	50.8		ug/kg		102	53 - 144	0.8	50
Chloroform	50.0	45.1		ug/kg		90	76 - 130	2	49
Chloromethane	50.0	40.9		ug/kg		82	23 - 150	2	50
Cyclohexane	50.0	47.6		ug/kg		95	70 - 133	4	50
1,2-Dibromo-3-chloropropane	50.0	47.0		ug/kg		94	49 - 142	4	50
1,2-Dibromoethane (EDB)	50.0	52.1		ug/kg		104	80 - 135	4	50
Methylcyclohexane	50.0	49.7		ug/kg		99	69 - 140	6	50
1,2-Dichlorobenzene	50.0	60.3		ug/kg		121	80 - 134	1	50
1,3-Dichlorobenzene	50.0	62.9		ug/kg		126	79 - 137	2	50
1,4-Dichlorobenzene	50.0	65.8		ug/kg		132	77 - 139	2	50
Dichlorodifluoromethane	50.0	35.0		ug/kg		70	12 - 144	5	50
1,2-Dichloroethane	50.0	47.3		ug/kg		95	65 - 134	3	50
1,1-Dichloroethane	50.0	48.1		ug/kg		96	75 - 124	3	50
1,1-Dichloroethene	50.0	47.8		ug/kg		96	75 - 131	2	50
trans-1,2-Dichloroethene	50.0	49.3		ug/kg		99	76 - 128	2	50
1,1,2-Trifluoro-trichloroethane	50.0	48.4		ug/kg		97	67 - 136	6	50
cis-1,2-Dichloroethene	50.0	49.0		ug/kg		98	75 - 125	2	50
1,2-Dichloropropane	50.0	46.5		ug/kg		93	69 - 120	2	50
trans-1,3-Dichloropropene	50.0	53.0		ug/kg		106	62 - 139	0.9	50
cis-1,3-Dichloropropene	50.0	55.0		ug/kg		110	73 - 148	1	50
Ethylbenzene	50.0	49.7		ug/kg		99	80 - 134	1	50
2-Hexanone	250	251		ug/kg		100	57 - 148	5	50
Isopropylbenzene	50.0	55.3		ug/kg		111	80 - 150	2	50
Methyl Acetate	50.0	256	L1 B	ug/kg		512	11 - 170	7	50
Methyl tert-Butyl Ether	50.0	50.0		ug/kg		100	70 - 136	1	50

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4561-BSD1**

**Matrix: Soil**

**Analysis Batch: U022384**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L4561\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Methylene Chloride	50.0	49.2		ug/kg		98	68 - 144	3	50	
4-Methyl-2-pentanone	250	247		ug/kg		99	59 - 138	2	50	
Styrene	50.0	57.4		ug/kg		115	82 - 137	2	50	
1,1,2,2-Tetrachloroethane	50.0	49.4		ug/kg		99	66 - 134	2	50	
Tetrachloroethene	50.0	54.0		ug/kg		108	78 - 140	3	50	
Toluene	50.0	51.1		ug/kg		102	80 - 132	0.3	50	
1,2,4-Trichlorobenzene	50.0	86.2	L	ug/kg		172	62 - 150	3	50	
1,2,3-Trichlorobenzene	50.0	74.6		ug/kg		149	70 - 150	2	50	
1,1,1-Trichloroethane	50.0	46.3		ug/kg		93	72 - 140	4	50	
1,1,2-Trichloroethane	50.0	50.6		ug/kg		101	78 - 128	3	50	
Trichloroethene	50.0	52.5		ug/kg		105	77 - 127	2	50	
Trichlorofluoromethane	50.0	43.2		ug/kg		86	50 - 140	6	50	
Vinyl chloride	50.0	45.5		ug/kg		91	47 - 136	4	50	
Xylenes, total	150	161		ug/kg		107	80 - 137	3	50	

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
1,2-Dichloroethane-d4	90		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	97		70 - 130

**Lab Sample ID: 11L4561-MS1**

**Matrix: Soil**

**Analysis Batch: U022384**

**Client Sample ID: Tract 24 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 11L4561\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	ND		237	287		mg/kg dry	☼	121	19 - 175	
Benzene	ND		47.3	41.3		mg/kg dry	☼	87	31 - 143	
Bromochloromethane	ND		47.3	43.6		mg/kg dry	☼	92	31 - 141	
Bromodichloromethane	5.27		47.3	43.8		mg/kg dry	☼	81	19 - 148	
Bromoform	4.81		47.3	37.8		mg/kg dry	☼	70	10 - 165	
Bromomethane	ND		47.3	43.3		mg/kg dry	☼	92	10 - 164	
2-Butanone	ND		237	233		mg/kg dry	☼	98	18 - 153	
Carbon disulfide	ND		47.3	39.2		mg/kg dry	☼	83	32 - 144	
Carbon Tetrachloride	ND		47.3	40.2		mg/kg dry	☼	85	31 - 149	
Chlorobenzene	ND		47.3	44.4		mg/kg dry	☼	94	25 - 152	
Chlorodibromomethane	ND		47.3	43.3		mg/kg dry	☼	92	14 - 146	
Chloroethane	ND		47.3	40.4		mg/kg dry	☼	85	10 - 151	
Chloroform	ND		47.3	38.2		mg/kg dry	☼	81	34 - 160	
Chloromethane	ND		47.3	32.8		mg/kg dry	☼	69	10 - 156	
Cyclohexane	31.7		47.3	64.8		mg/kg dry	☼	70	32 - 158	
1,2-Dibromo-3-chloropropane	6.11		47.3	35.4		mg/kg dry	☼	62	10 - 147	
1,2-Dibromoethane (EDB)	ND		47.3	43.2		mg/kg dry	☼	91	18 - 156	
Methylcyclohexane	56.2		47.3	87.5		mg/kg dry	☼	66	29 - 167	
1,2-Dichlorobenzene	ND		47.3	50.2		mg/kg dry	☼	106	10 - 160	
1,3-Dichlorobenzene	ND		47.3	53.2		mg/kg dry	☼	112	10 - 162	
1,4-Dichlorobenzene	ND		47.3	55.9		mg/kg dry	☼	118	11 - 159	
Dichlorodifluoromethane	ND		47.3	28.4		mg/kg dry	☼	60	10 - 143	
1,2-Dichloroethane	ND		47.3	39.8		mg/kg dry	☼	84	28 - 138	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4561-MS1**

**Matrix: Soil**

**Analysis Batch: U022384**

**Client Sample ID: Tract 24 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 11L4561\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,1-Dichloroethane	ND		47.3	40.4		mg/kg dry	*	85	42 - 136	
1,1-Dichloroethene	ND		47.3	39.9		mg/kg dry	*	84	41 - 143	
trans-1,2-Dichloroethene	ND		47.3	41.9		mg/kg dry	*	88	39 - 140	
1,1,2-Trifluorotrchloroethane	ND		47.3	43.5		mg/kg dry	*	92	42 - 147	
cis-1,2-Dichloroethene	ND		47.3	41.1		mg/kg dry	*	87	36 - 139	
1,2-Dichloropropane	ND		47.3	39.9		mg/kg dry	*	84	20 - 146	
trans-1,3-Dichloropropene	ND		47.3	42.5		mg/kg dry	*	90	10 - 157	
cis-1,3-Dichloropropene	ND		47.3	45.2		mg/kg dry	*	95	15 - 166	
Ethylbenzene	5.95		47.3	45.9		mg/kg dry	*	84	23 - 161	
2-Hexanone	ND		237	208		mg/kg dry	*	88	10 - 169	
Isopropylbenzene	11.4		47.3	54.5		mg/kg dry	*	91	23 - 181	
Methyl Acetate	ND		47.3	253	M7 B	mg/kg dry	*	534	10 - 200	
Methyl tert-Butyl Ether	ND		47.3	40.0		mg/kg dry	*	85	28 - 141	
Methylene Chloride	ND		47.3	42.0		mg/kg dry	*	89	24 - 182	
4-Methyl-2-pentanone	ND		237	193		mg/kg dry	*	82	10 - 168	
Styrene	ND		47.3	47.2		mg/kg dry	*	100	10 - 165	
1,1,2,2-Tetrachloroethane	2.05		47.3	42.0		mg/kg dry	*	84	10 - 162	
Tetrachloroethene	ND		47.3	47.3		mg/kg dry	*	100	33 - 161	
Toluene	ND		47.3	43.1		mg/kg dry	*	91	30 - 155	
1,2,4-Trichlorobenzene	ND		47.3	75.2		mg/kg dry	*	159	10 - 167	
1,2,3-Trichlorobenzene	ND		47.3	63.3		mg/kg dry	*	134	10 - 157	
1,1,1-Trichloroethane	ND		47.3	39.3		mg/kg dry	*	83	35 - 149	
1,1,2-Trichloroethane	29.5		47.3	60.0		mg/kg dry	*	64	19 - 157	
Trichloroethene	ND		47.3	45.1		mg/kg dry	*	95	27 - 153	
Trichlorofluoromethane	ND		47.3	37.7		mg/kg dry	*	80	25 - 137	
Vinyl chloride	ND		47.3	36.9		mg/kg dry	*	78	20 - 141	
Xylenes, total	ND		142	135		mg/kg dry	*	95	25 - 162	
		<b>Matrix Spike</b>	<b>Matrix Spike</b>							
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
1,2-Dichloroethane-d4		89		70 - 130						
Dibromofluoromethane		102		70 - 130						
Toluene-d8		101		70 - 130						
4-Bromofluorobenzene		101		70 - 130						

**Lab Sample ID: 11L4561-MSD1**

**Matrix: Soil**

**Analysis Batch: U022384**

**Client Sample ID: Tract 24 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 11L4561\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	ND		237	317		mg/kg dry	*	134	19 - 175	10	50	
Benzene	ND		47.3	46.0		mg/kg dry	*	97	31 - 143	11	50	
Bromochloromethane	ND		47.3	47.1		mg/kg dry	*	100	31 - 141	8	50	
Bromodichloromethane	5.27		47.3	48.1		mg/kg dry	*	90	19 - 148	9	50	
Bromoform	4.81		47.3	42.4		mg/kg dry	*	79	10 - 165	11	50	
Bromomethane	ND		47.3	48.6		mg/kg dry	*	103	10 - 164	12	50	
2-Butanone	ND		237	261		mg/kg dry	*	110	18 - 153	11	50	
Carbon disulfide	ND		47.3	43.5		mg/kg dry	*	92	32 - 144	10	50	
Carbon Tetrachloride	ND		47.3	44.7		mg/kg dry	*	94	31 - 149	11	50	
Chlorobenzene	ND		47.3	48.4		mg/kg dry	*	102	25 - 152	9	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4561-MSD1

Matrix: Soil

Analysis Batch: U022384

Client Sample ID: Tract 24 SB-1 (0-2)

Prep Type: Total

Prep Batch: 11L4561\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
Chlorodibromomethane	ND		47.3	48.5		mg/kg dry	*	102	14 - 146	11	50	
Chloroethane	ND		47.3	44.9		mg/kg dry	*	95	10 - 151	10	50	
Chloroform	ND		47.3	42.1		mg/kg dry	*	89	34 - 160	10	49	
Chloromethane	ND		47.3	37.1		mg/kg dry	*	79	10 - 156	13	50	
Cyclohexane	31.7		47.3	70.3		mg/kg dry	*	82	32 - 158	8	50	
1,2-Dibromo-3-chloropropane	6.11		47.3	40.9		mg/kg dry	*	73	10 - 147	14	50	
1,2-Dibromoethane (EDB)	ND		47.3	46.9		mg/kg dry	*	99	18 - 156	8	50	
Methylcyclohexane	56.2		47.3	94.5		mg/kg dry	*	81	29 - 167	8	50	
1,2-Dichlorobenzene	ND		47.3	55.1		mg/kg dry	*	116	10 - 160	9	50	
1,3-Dichlorobenzene	ND		47.3	58.1		mg/kg dry	*	123	10 - 162	9	50	
1,4-Dichlorobenzene	ND		47.3	60.5		mg/kg dry	*	128	11 - 159	8	50	
Dichlorodifluoromethane	ND		47.3	31.2		mg/kg dry	*	66	10 - 143	9	50	
1,2-Dichloroethane	ND		47.3	43.3		mg/kg dry	*	92	28 - 138	8	50	
1,1-Dichloroethane	ND		47.3	44.1		mg/kg dry	*	93	42 - 136	9	50	
1,1-Dichloroethene	ND		47.3	43.7		mg/kg dry	*	92	41 - 143	9	50	
trans-1,2-Dichloroethene	ND		47.3	45.8		mg/kg dry	*	97	39 - 140	9	50	
1,1,2-Trifluorotrchloroethane	ND		47.3	47.8		mg/kg dry	*	101	42 - 147	10	50	
cis-1,2-Dichloroethene	ND		47.3	45.6		mg/kg dry	*	96	36 - 139	10	50	
1,2-Dichloropropane	ND		47.3	44.1		mg/kg dry	*	93	20 - 146	10	50	
trans-1,3-Dichloropropene	ND		47.3	47.0		mg/kg dry	*	99	10 - 157	10	50	
cis-1,3-Dichloropropene	ND		47.3	49.0		mg/kg dry	*	104	15 - 166	8	50	
Ethylbenzene	5.95		47.3	50.7		mg/kg dry	*	94	23 - 161	10	50	
2-Hexanone	ND		237	233		mg/kg dry	*	99	10 - 169	11	50	
Isopropylbenzene	11.4		47.3	60.4		mg/kg dry	*	104	23 - 181	10	50	
Methyl Acetate	ND		47.3	277	M7 B	mg/kg dry	*	586	10 - 200	9	50	
Methyl tert-Butyl Ether	ND		47.3	44.1		mg/kg dry	*	93	28 - 141	10	50	
Methylene Chloride	ND		47.3	46.6		mg/kg dry	*	99	24 - 182	10	50	
4-Methyl-2-pentanone	ND		237	216		mg/kg dry	*	91	10 - 168	11	50	
Styrene	ND		47.3	53.3		mg/kg dry	*	113	10 - 165	12	50	
1,1,2,2-Tetrachloroethane	2.05		47.3	46.1		mg/kg dry	*	93	10 - 162	9	50	
Tetrachloroethene	ND		47.3	53.2		mg/kg dry	*	112	33 - 161	12	50	
Toluene	ND		47.3	47.3		mg/kg dry	*	100	30 - 155	9	50	
1,2,4-Trichlorobenzene	ND		47.3	79.5	M7	mg/kg dry	*	168	10 - 167	6	50	
1,2,3-Trichlorobenzene	ND		47.3	67.8		mg/kg dry	*	143	10 - 157	7	50	
1,1,1-Trichloroethane	ND		47.3	42.7		mg/kg dry	*	90	35 - 149	8	50	
1,1,2-Trichloroethane	29.5		47.3	65.2		mg/kg dry	*	75	19 - 157	8	50	
Trichloroethene	ND		47.3	50.3		mg/kg dry	*	106	27 - 153	11	50	
Trichlorofluoromethane	ND		47.3	40.8		mg/kg dry	*	86	25 - 137	8	50	
Vinyl chloride	ND		47.3	42.1		mg/kg dry	*	89	20 - 141	13	50	
Xylenes, total	ND		142	150		mg/kg dry	*	106	25 - 162	11	50	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	88		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	100		70 - 130
4-Bromofluorobenzene	102		70 - 130



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

**Lab Sample ID: 11L2287-BLK1**

**Matrix: Water**

**Analysis Batch: U021644**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2287\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Anthracene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Carbazole	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Chrysene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Fluorene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Isophorone	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2287-BLK1**

**Matrix: Water**

**Analysis Batch: U021644**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2287\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	<13.0		25.0	13.0	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Phenol	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
Pyrene	<1.00		2.00	1.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		12/10/11 05:50	12/10/11 17:38	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		12/10/11 05:50	12/10/11 17:38	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	105		13 - 120	12/10/11 05:50	12/10/11 17:38	1.00
2,4,6-Tribromophenol	78		10 - 120	12/10/11 05:50	12/10/11 17:38	1.00
Phenol-d5	35		10 - 120	12/10/11 05:50	12/10/11 17:38	1.00
2-Fluorobiphenyl	76		29 - 120	12/10/11 05:50	12/10/11 17:38	1.00
2-Fluorophenol	52		10 - 120	12/10/11 05:50	12/10/11 17:38	1.00
Nitrobenzene-d5	80		27 - 120	12/10/11 05:50	12/10/11 17:38	1.00

**Lab Sample ID: 11L2287-BS1**

**Matrix: Water**

**Analysis Batch: U021644**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2287\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	50.0	38.0	MNR	ug/L		76	46 - 120
Acenaphthylene	50.0	34.9	MNR	ug/L		70	48 - 120
Anthracene	50.0	40.7	MNR	ug/L		81	58 - 130
Benzo (a) anthracene	50.0	40.5	MNR	ug/L		81	57 - 120
Benzo (a) pyrene	50.0	42.8	MNR	ug/L		86	57 - 124
Benzo (b) fluoranthene	50.0	38.8	MNR	ug/L		78	51 - 125
Benzo (g,h,i) perylene	50.0	39.5	MNR	ug/L		79	51 - 123
Benzo (k) fluoranthene	50.0	43.4	MNR	ug/L		87	51 - 120
4-Bromophenyl phenyl ether	50.0	41.0	MNR	ug/L		82	47 - 127
Butyl benzyl phthalate	50.0	45.2	MNR	ug/L		90	51 - 146
Carbazole	50.0	40.7	MNR	ug/L		81	54 - 123
4-Chloro-3-methylphenol	50.0	37.5	MNR	ug/L		75	44 - 120
4-Chloroaniline	50.0	37.2	MNR	ug/L		74	44 - 120
Bis(2-chloroethoxy)methane	50.0	38.3	MNR	ug/L		77	44 - 120
Bis(2-chloroethyl)ether	50.0	38.7	MNR	ug/L		77	47 - 120
Bis(2-chloroisopropyl)ether	50.0	37.8	MNR	ug/L		76	44 - 120
2-Chloronaphthalene	50.0	31.3	MNR	ug/L		63	39 - 120
2-Chlorophenol	50.0	36.6	MNR	ug/L		73	40 - 120
4-Chlorophenyl phenyl ether	50.0	39.1	MNR	ug/L		78	50 - 120
Chrysene	50.0	39.9	MNR	ug/L		80	55 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11L2287-BS1

Matrix: Water

Analysis Batch: U021644

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L2287\_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz (a,h) anthracene	50.0	38.7	MNR	ug/L		77	50 - 125
Dibenzofuran	50.0	40.6	MNR	ug/L		81	50 - 120
Di-n-butyl phthalate	50.0	42.2	MNR	ug/L		84	54 - 140
1,4-Dichlorobenzene	50.0	24.6	MNR	ug/L		49	31 - 120
1,2-Dichlorobenzene	50.0	25.5	MNR	ug/L		51	32 - 120
1,3-Dichlorobenzene	50.0	24.5	MNR	ug/L		49	32 - 120
3,3-Dichlorobenzidine	50.0	39.2	MNR	ug/L		78	46 - 129
2,4-Dichlorophenol	50.0	35.4	MNR	ug/L		71	38 - 120
Diethyl phthalate	50.0	41.1	MNR	ug/L		82	54 - 128
2,4-Dimethylphenol	50.0	37.2	MNR	ug/L		74	21 - 126
Dimethyl phthalate	50.0	39.0	MNR	ug/L		78	53 - 127
4,6-Dinitro-2-methylphenol	50.0	41.8	MNR	ug/L		84	19 - 150
2,4-Dinitrophenol	50.0	44.6	MNR	ug/L		89	20 - 150
2,6-Dinitrotoluene	50.0	35.6	MNR	ug/L		71	54 - 128
2,4-Dinitrotoluene	50.0	35.6	MNR	ug/L		71	46 - 132
Di-n-octyl phthalate	50.0	46.7	MNR	ug/L		93	50 - 142
Bis(2-ethylhexyl)phthalate	50.0	44.9	MNR	ug/L		90	47 - 138
Fluoranthene	50.0	39.5	MNR	ug/L		79	56 - 120
Fluorene	50.0	39.2	MNR	ug/L		78	52 - 120
Hexachlorobenzene	50.0	40.3	MNR	ug/L		81	48 - 131
Hexachlorobutadiene	50.0	30.2	MNR	ug/L		60	28 - 120
Hexachlorocyclopentadiene	50.0	23.4	MNR	ug/L		47	17 - 120
Hexachloroethane	50.0	28.4	MNR	ug/L		57	30 - 120
Indeno (1,2,3-cd) pyrene	50.0	38.8	MNR	ug/L		78	54 - 125
Isophorone	50.0	34.0	MNR	ug/L		68	47 - 120
2-Methylnaphthalene	50.0	33.3	MNR	ug/L		67	31 - 120
2-Methylphenol	50.0	28.2	MNR	ug/L		56	38 - 120
Naphthalene	50.0	32.7	MNR	ug/L		65	37 - 120
3/4-Methylphenol	50.0	27.0	MNR	ug/L		54	33 - 120
3-Nitroaniline	50.0	42.9	MNR	ug/L		86	54 - 121
2-Nitroaniline	50.0	42.7	MNR	ug/L		85	46 - 131
4-Nitroaniline	50.0	42.0	MNR	ug/L		84	55 - 123
Nitrobenzene	50.0	29.5	MNR	ug/L		59	36 - 120
4-Nitrophenol	50.0	17.4	MNR J	ug/L		35	10 - 120
2-Nitrophenol	50.0	36.4	MNR	ug/L		73	32 - 120
N-Nitrosodiphenylamine	50.0	48.4	MNR	ug/L		97	58 - 149
N-Nitrosodi-n-propylamine	50.0	41.8	MNR	ug/L		84	51 - 120
Pentachlorophenol	50.0	45.0	MNR	ug/L		90	21 - 150
Phenanthrene	50.0	40.4	MNR	ug/L		81	56 - 120
Phenol	50.0	17.6	MNR	ug/L		35	14 - 120
Pyrene	50.0	41.8	MNR	ug/L		84	53 - 129
1,2,4-Trichlorobenzene	50.0	24.6	MNR	ug/L		49	30 - 120
2,4,6-Trichlorophenol	50.0	39.0	MNR	ug/L		78	39 - 135
2,4,5-Trichlorophenol	50.0	34.2	MNR	ug/L		68	40 - 129

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	85		13 - 120
2,4,6-Tribromophenol	65		10 - 120
Phenol-d5	26		10 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2287-BS1**  
**Matrix: Water**  
**Analysis Batch: U021644**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L2287\_P**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	68		29 - 120
2-Fluorophenol	41		10 - 120
Nitrobenzene-d5	63		27 - 120

**Lab Sample ID: 11L2287-BSD1**  
**Matrix: Water**  
**Analysis Batch: U021644**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 11L2287\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Acenaphthene	50.0	38.6		ug/L		77	46 - 120	2	31	
Acenaphthylene	50.0	35.8		ug/L		72	48 - 120	2	31	
Anthracene	50.0	42.6		ug/L		85	58 - 130	5	28	
Benzo (a) anthracene	50.0	42.3		ug/L		85	57 - 120	4	27	
Benzo (a) pyrene	50.0	45.8		ug/L		92	57 - 124	7	27	
Benzo (b) fluoranthene	50.0	44.1		ug/L		88	51 - 125	13	39	
Benzo (g,h,i) perylene	50.0	42.6		ug/L		85	51 - 123	7	27	
Benzo (k) fluoranthene	50.0	42.7		ug/L		85	51 - 120	2	32	
4-Bromophenyl phenyl ether	50.0	42.1		ug/L		84	47 - 127	3	29	
Butyl benzyl phthalate	50.0	47.4		ug/L		95	51 - 146	5	31	
Carbazole	50.0	42.1		ug/L		84	54 - 123	3	29	
4-Chloro-3-methylphenol	50.0	38.4		ug/L		77	44 - 120	2	22	
4-Chloroaniline	50.0	38.0		ug/L		76	44 - 120	2	26	
Bis(2-chloroethoxy)methane	50.0	40.0		ug/L		80	44 - 120	4	31	
Bis(2-chloroethyl)ether	50.0	41.6		ug/L		83	47 - 120	7	38	
Bis(2-chloroisopropyl)ether	50.0	38.8		ug/L		78	44 - 120	3	36	
2-Chloronaphthalene	50.0	31.0		ug/L		62	39 - 120	1	36	
2-Chlorophenol	50.0	40.2		ug/L		80	40 - 120	9	46	
4-Chlorophenyl phenyl ether	50.0	40.9		ug/L		82	50 - 120	5	29	
Chrysene	50.0	42.2		ug/L		84	55 - 120	6	27	
Dibenz (a,h) anthracene	50.0	42.4		ug/L		85	50 - 125	9	28	
Dibenzofuran	50.0	41.4		ug/L		83	50 - 120	2	29	
Di-n-butyl phthalate	50.0	44.2		ug/L		88	54 - 140	5	27	
1,4-Dichlorobenzene	50.0	25.0		ug/L		50	31 - 120	2	44	
1,2-Dichlorobenzene	50.0	26.0		ug/L		52	32 - 120	2	42	
1,3-Dichlorobenzene	50.0	25.4		ug/L		51	32 - 120	4	42	
3,3-Dichlorobenzidine	50.0	40.2		ug/L		80	46 - 129	3	30	
2,4-Dichlorophenol	50.0	37.8		ug/L		76	38 - 120	6	30	
Diethyl phthalate	50.0	43.4		ug/L		87	54 - 128	5	28	
2,4-Dimethylphenol	50.0	39.5		ug/L		79	21 - 126	6	48	
Dimethyl phthalate	50.0	41.2		ug/L		82	53 - 127	5	27	
4,6-Dinitro-2-methylphenol	50.0	43.8		ug/L		88	19 - 150	5	34	
2,4-Dinitrophenol	50.0	43.6		ug/L		87	20 - 150	2	31	
2,6-Dinitrotoluene	50.0	37.3		ug/L		75	54 - 128	5	29	
2,4-Dinitrotoluene	50.0	37.3		ug/L		75	46 - 132	5	26	
Di-n-octyl phthalate	50.0	48.7		ug/L		97	50 - 142	4	28	
Bis(2-ethylhexyl)phthalate	50.0	47.7		ug/L		95	47 - 138	6	28	
Fluoranthene	50.0	41.3		ug/L		83	56 - 120	4	28	
Fluorene	50.0	41.6		ug/L		83	52 - 120	6	28	
Hexachlorobenzene	50.0	41.8		ug/L		84	48 - 131	4	28	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2287-BSD1**

**Matrix: Water**

**Analysis Batch: U021644**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2287\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Hexachlorobutadiene	50.0	29.2		ug/L		58	28 - 120	3	43	
Hexachlorocyclopentadiene	50.0	21.0		ug/L		42	17 - 120	11	43	
Hexachloroethane	50.0	28.9		ug/L		58	30 - 120	2	45	
Indeno (1,2,3-cd) pyrene	50.0	42.0		ug/L		84	54 - 125	8	27	
Isophorone	50.0	35.2		ug/L		70	47 - 120	3	31	
2-Methylnaphthalene	50.0	31.2		ug/L		62	31 - 120	7	35	
2-Methylphenol	50.0	30.2		ug/L		60	38 - 120	7	32	
Naphthalene	50.0	31.7		ug/L		63	37 - 120	3	37	
3/4-Methylphenol	50.0	29.4		ug/L		59	33 - 120	9	34	
3-Nitroaniline	50.0	44.6		ug/L		89	54 - 121	4	26	
2-Nitroaniline	50.0	44.5		ug/L		89	46 - 131	4	24	
4-Nitroaniline	50.0	43.0		ug/L		86	55 - 123	2	26	
Nitrobenzene	50.0	30.9		ug/L		62	36 - 120	5	28	
4-Nitrophenol	50.0	17.8	J	ug/L		36	10 - 120	2	38	
2-Nitrophenol	50.0	38.7		ug/L		77	32 - 120	6	31	
N-Nitrosodiphenylamine	50.0	50.7		ug/L		101	58 - 149	5	26	
N-Nitrosodi-n-propylamine	50.0	44.8		ug/L		90	51 - 120	7	37	
Pentachlorophenol	50.0	47.2		ug/L		94	21 - 150	5	31	
Phenanthrene	50.0	42.7		ug/L		85	56 - 120	6	26	
Phenol	50.0	19.4		ug/L		39	14 - 120	10	42	
Pyrene	50.0	43.6		ug/L		87	53 - 129	4	29	
1,2,4-Trichlorobenzene	50.0	23.8		ug/L		48	30 - 120	3	35	
2,4,6-Trichlorophenol	50.0	41.8		ug/L		84	39 - 135	7	40	
2,4,5-Trichlorophenol	50.0	36.2		ug/L		72	40 - 129	6	34	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
Terphenyl-d14	93		13 - 120
2,4,6-Tribromophenol	69		10 - 120
Phenol-d5	30		10 - 120
2-Fluorobiphenyl	71		29 - 120
2-Fluorophenol	50		10 - 120
Nitrobenzene-d5	67		27 - 120

**Lab Sample ID: 11L2985-BLK1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11L2985-BLK1

Matrix: Soil

Analysis Batch: 11L2985

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2985\_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BLK1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	80		18 - 120	12/14/11 07:46	12/14/11 14:11	1.00
2,4,6-Tribromophenol	59		19 - 120	12/14/11 07:46	12/14/11 14:11	1.00
Phenol-d5	62		18 - 120	12/14/11 07:46	12/14/11 14:11	1.00
2-Fluorobiphenyl	63		14 - 120	12/14/11 07:46	12/14/11 14:11	1.00
2-Fluorophenol	61		17 - 120	12/14/11 07:46	12/14/11 14:11	1.00
Nitrobenzene-d5	60		17 - 120	12/14/11 07:46	12/14/11 14:11	1.00

**Lab Sample ID: 11L2985-BS1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.13		mg/kg wet		68	36 - 120
Acenaphthylene	1.67	1.02		mg/kg wet		61	38 - 120
Anthracene	1.67	1.16		mg/kg wet		69	46 - 124
Benzo (a) anthracene	1.67	1.15		mg/kg wet		69	45 - 120
Benzo (a) pyrene	1.67	1.23		mg/kg wet		74	45 - 120
Benzo (b) fluoranthene	1.67	1.31		mg/kg wet		79	42 - 120
Benzo (g,h,i) perylene	1.67	1.18		mg/kg wet		71	38 - 120
Benzo (k) fluoranthene	1.67	1.00		mg/kg wet		60	42 - 120
4-Bromophenyl phenyl ether	1.67	1.21		mg/kg wet		72	40 - 120
Butyl benzyl phthalate	1.67	1.29		mg/kg wet		77	43 - 133
Carbazole	1.67	1.15		mg/kg wet		69	44 - 120
4-Chloro-3-methylphenol	1.67	1.07		mg/kg wet		64	38 - 120
4-Chloroaniline	1.67	1.08		mg/kg wet		64	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.10		mg/kg wet		66	32 - 120
Bis(2-chloroethyl)ether	1.67	1.10		mg/kg wet		66	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.20		mg/kg wet		72	32 - 120
2-Chloronaphthalene	1.67	0.965		mg/kg wet		58	34 - 120
2-Chlorophenol	1.67	1.07		mg/kg wet		64	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.17		mg/kg wet		70	42 - 120
Chrysene	1.67	1.15		mg/kg wet		69	43 - 120
Dibenz (a,h) anthracene	1.67	1.17		mg/kg wet		70	32 - 128
Dibenzofuran	1.67	1.20		mg/kg wet		72	41 - 120
Di-n-butyl phthalate	1.67	1.23		mg/kg wet		74	46 - 127
1,4-Dichlorobenzene	1.67	0.950		mg/kg wet		57	32 - 120
1,2-Dichlorobenzene	1.67	0.960		mg/kg wet		58	33 - 120
1,3-Dichlorobenzene	1.67	0.970		mg/kg wet		58	32 - 120
3,3-Dichlorobenzidine	1.67	1.13		mg/kg wet		68	39 - 120
2,4-Dichlorophenol	1.67	1.06		mg/kg wet		64	32 - 120
Diethyl phthalate	1.67	1.21		mg/kg wet		73	41 - 122
2,4-Dimethylphenol	1.67	1.13		mg/kg wet		68	32 - 120
Dimethyl phthalate	1.67	1.15		mg/kg wet		69	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.16		mg/kg wet		70	27 - 134

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BS1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
2,4-Dinitrophenol	1.67	1.13		mg/kg wet		68	23 - 142	
2,6-Dinitrotoluene	1.67	1.00		mg/kg wet		60	43 - 120	
2,4-Dinitrotoluene	1.67	1.00		mg/kg wet		60	43 - 120	
Di-n-octyl phthalate	1.67	1.32		mg/kg wet		79	40 - 130	
Bis(2-ethylhexyl)phthalate	1.67	1.28		mg/kg wet		77	43 - 120	
Fluoranthene	1.67	1.15		mg/kg wet		69	46 - 120	
Fluorene	1.67	1.15		mg/kg wet		69	42 - 120	
Hexachlorobenzene	1.67	1.25		mg/kg wet		75	44 - 120	
Hexachlorobutadiene	1.67	1.22		mg/kg wet		73	31 - 120	
Hexachlorocyclopentadiene	1.67	0.689		mg/kg wet		41	24 - 120	
Hexachloroethane	1.67	1.14		mg/kg wet		68	33 - 120	
Indeno (1,2,3-cd) pyrene	1.67	1.17		mg/kg wet		70	41 - 121	
Isophorone	1.67	0.952		mg/kg wet		57	33 - 120	
2-Methylnaphthalene	1.67	1.06		mg/kg wet		64	28 - 120	
2-Methylphenol	1.67	0.983		mg/kg wet		59	36 - 120	
3/4-Methylphenol	1.67	1.00		mg/kg wet		60	37 - 120	
Naphthalene	1.67	1.06		mg/kg wet		63	32 - 120	
3-Nitroaniline	1.67	1.17		mg/kg wet		70	42 - 120	
2-Nitroaniline	1.67	1.18		mg/kg wet		71	40 - 120	
4-Nitroaniline	1.67	1.14		mg/kg wet		69	43 - 120	
Nitrobenzene	1.67	0.863		mg/kg wet		52	26 - 120	
4-Nitrophenol	1.67	1.21		mg/kg wet		72	32 - 136	
2-Nitrophenol	1.67	1.08		mg/kg wet		65	29 - 120	
N-Nitrosodiphenylamine	1.67	1.39		mg/kg wet		84	52 - 140	
N-Nitrosodi-n-propylamine	1.67	1.23		mg/kg wet		74	35 - 120	
Pentachlorophenol	1.67	1.16		mg/kg wet		70	44 - 134	
Phenanthrene	1.67	1.18		mg/kg wet		71	45 - 120	
Phenol	1.67	1.11		mg/kg wet		67	30 - 120	
Pyrene	1.67	1.20		mg/kg wet		72	43 - 120	
1,2,4-Trichlorobenzene	1.67	0.881		mg/kg wet		53	29 - 120	
2,4,6-Trichlorophenol	1.67	1.17		mg/kg wet		70	39 - 120	
2,4,5-Trichlorophenol	1.67	0.989		mg/kg wet		59	39 - 120	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	77		18 - 120
2,4,6-Tribromophenol	59		19 - 120
Phenol-d5	57		18 - 120
2-Fluorobiphenyl	60		14 - 120
2-Fluorophenol	59		17 - 120
Nitrobenzene-d5	53		17 - 120

**Lab Sample ID: 11L2985-BSD1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	
Acenaphthene	1.67	1.20		mg/kg wet		72	36 - 120	5	50	
Acenaphthylene	1.67	1.08		mg/kg wet		65	38 - 120	5	50	
Anthracene	1.67	1.25		mg/kg wet		75	46 - 124	8	49	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11L2985-BSD1

Matrix: Soil

Analysis Batch: 11L2985

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11L2985\_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	Limit
Benzo (a) anthracene	1.67	1.25		mg/kg wet		75	45 - 120	8	50	
Benzo (a) pyrene	1.67	1.31		mg/kg wet		78	45 - 120	6	50	
Benzo (b) fluoranthene	1.67	1.41		mg/kg wet		85	42 - 120	7	50	
Benzo (g,h,i) perylene	1.67	1.30		mg/kg wet		78	38 - 120	9	50	
Benzo (k) fluoranthene	1.67	1.09		mg/kg wet		66	42 - 120	8	45	
4-Bromophenyl phenyl ether	1.67	1.30		mg/kg wet		78	40 - 120	7	37	
Butyl benzyl phthalate	1.67	1.38		mg/kg wet		83	43 - 133	7	50	
Carbazole	1.67	1.22		mg/kg wet		73	44 - 120	6	46	
4-Chloro-3-methylphenol	1.67	1.17		mg/kg wet		70	38 - 120	8	49	
4-Chloroaniline	1.67	1.15		mg/kg wet		69	35 - 120	7	50	
Bis(2-chloroethoxy)methane	1.67	1.18		mg/kg wet		71	32 - 120	7	50	
Bis(2-chloroethyl)ether	1.67	1.16		mg/kg wet		70	31 - 120	5	50	
Bis(2-chloroisopropyl)ether	1.67	1.24		mg/kg wet		74	32 - 120	3	50	
2-Chloronaphthalene	1.67	1.03		mg/kg wet		62	34 - 120	6	50	
2-Chlorophenol	1.67	1.13		mg/kg wet		68	32 - 120	6	50	
4-Chlorophenyl phenyl ether	1.67	1.24		mg/kg wet		74	42 - 120	6	50	
Chrysene	1.67	1.23		mg/kg wet		74	43 - 120	7	49	
Dibenz (a,h) anthracene	1.67	1.28		mg/kg wet		77	32 - 128	9	50	
Dibenzofuran	1.67	1.28		mg/kg wet		77	41 - 120	6	50	
Di-n-butyl phthalate	1.67	1.29		mg/kg wet		78	46 - 127	5	49	
1,4-Dichlorobenzene	1.67	0.984		mg/kg wet		59	32 - 120	4	50	
1,2-Dichlorobenzene	1.67	1.01		mg/kg wet		60	33 - 120	5	50	
1,3-Dichlorobenzene	1.67	1.01		mg/kg wet		60	32 - 120	4	50	
3,3-Dichlorobenzidine	1.67	1.19		mg/kg wet		71	39 - 120	5	50	
2,4-Dichlorophenol	1.67	1.17		mg/kg wet		70	32 - 120	9	50	
Diethyl phthalate	1.67	1.28		mg/kg wet		77	41 - 122	5	45	
2,4-Dimethylphenol	1.67	1.21		mg/kg wet		73	32 - 120	7	50	
Dimethyl phthalate	1.67	1.22		mg/kg wet		73	55 - 120	6	46	
4,6-Dinitro-2-methylphenol	1.67	1.23		mg/kg wet		74	27 - 134	6	50	
2,4-Dinitrophenol	1.67	1.21		mg/kg wet		73	23 - 142	7	50	
2,6-Dinitrotoluene	1.67	1.06		mg/kg wet		64	43 - 120	6	50	
2,4-Dinitrotoluene	1.67	1.06		mg/kg wet		64	43 - 120	6	50	
Di-n-octyl phthalate	1.67	1.43		mg/kg wet		86	40 - 130	8	50	
Bis(2-ethylhexyl)phthalate	1.67	1.39		mg/kg wet		83	43 - 120	8	50	
Fluoranthene	1.67	1.22		mg/kg wet		73	46 - 120	6	50	
Fluorene	1.67	1.22		mg/kg wet		73	42 - 120	6	50	
Hexachlorobenzene	1.67	1.31		mg/kg wet		79	44 - 120	5	50	
Hexachlorobutadiene	1.67	1.31		mg/kg wet		78	31 - 120	7	50	
Hexachlorocyclopentadiene	1.67	0.751		mg/kg wet		45	24 - 120	9	50	
Hexachloroethane	1.67	1.22		mg/kg wet		73	33 - 120	6	50	
Indeno (1,2,3-cd) pyrene	1.67	1.27		mg/kg wet		76	41 - 121	8	50	
Isophorone	1.67	1.03		mg/kg wet		62	33 - 120	7	50	
2-Methylnaphthalene	1.67	1.15		mg/kg wet		69	28 - 120	8	50	
2-Methylphenol	1.67	1.05		mg/kg wet		63	36 - 120	6	50	
3/4-Methylphenol	1.67	1.06		mg/kg wet		64	37 - 120	6	50	
Naphthalene	1.67	1.15		mg/kg wet		69	32 - 120	8	50	
3-Nitroaniline	1.67	1.23		mg/kg wet		74	42 - 120	4	49	
2-Nitroaniline	1.67	1.27		mg/kg wet		76	40 - 120	7	50	
4-Nitroaniline	1.67	1.20		mg/kg wet		72	43 - 120	5	49	
Nitrobenzene	1.67	0.915		mg/kg wet		55	26 - 120	6	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BSD1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
4-Nitrophenol	1.67	1.26		mg/kg wet		76	32 - 136	4	45	
2-Nitrophenol	1.67	1.16		mg/kg wet		69	29 - 120	7	50	
N-Nitrosodiphenylamine	1.67	1.48		mg/kg wet		89	52 - 140	6	50	
N-Nitrosodi-n-propylamine	1.67	1.31		mg/kg wet		78	35 - 120	6	50	
Pentachlorophenol	1.67	1.22		mg/kg wet		73	44 - 134	5	50	
Phenanthrene	1.67	1.24		mg/kg wet		74	45 - 120	5	50	
Phenol	1.67	1.17		mg/kg wet		70	30 - 120	5	50	
Pyrene	1.67	1.28		mg/kg wet		77	43 - 120	7	50	
1,2,4-Trichlorobenzene	1.67	0.966		mg/kg wet		58	29 - 120	9	50	
2,4,6-Trichlorophenol	1.67	1.24		mg/kg wet		74	39 - 120	6	50	
2,4,5-Trichlorophenol	1.67	1.04		mg/kg wet		63	39 - 120	5	50	

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
Terphenyl-d14	83		18 - 120
2,4,6-Tribromophenol	65		19 - 120
Phenol-d5	62		18 - 120
2-Fluorobiphenyl	64		14 - 120
2-Fluorophenol	63		17 - 120
Nitrobenzene-d5	58		17 - 120

**Lab Sample ID: 11L2985-MS1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acenaphthene	<0.0374		1.85	1.36		mg/kg dry	☼	73	19 - 120	
Acenaphthylene	<0.0374		1.85	1.23		mg/kg dry	☼	67	25 - 120	
Anthracene	<0.0374		1.85	1.38		mg/kg dry	☼	75	28 - 125	
Benzo (a) anthracene	<0.0374		1.85	1.39		mg/kg dry	☼	75	23 - 120	
Benzo (a) pyrene	<0.0374		1.85	1.48		mg/kg dry	☼	80	15 - 128	
Benzo (b) fluoranthene	<0.0374		1.85	1.43		mg/kg dry	☼	77	12 - 133	
Benzo (g,h,i) perylene	<0.0374		1.85	1.46		mg/kg dry	☼	79	22 - 120	
Benzo (k) fluoranthene	<0.0374		1.85	1.40		mg/kg dry	☼	75	28 - 120	
4-Bromophenyl phenyl ether	<0.184		1.85	1.45		mg/kg dry	☼	78	31 - 120	
Butyl benzyl phthalate	<0.184		1.85	1.61		mg/kg dry	☼	87	24 - 133	
Carbazole	<0.184		1.85	1.36		mg/kg dry	☼	73	25 - 123	
4-Chloro-3-methylphenol	<0.184		1.85	1.29		mg/kg dry	☼	70	21 - 120	
4-Chloroaniline	<0.184		1.85	1.25		mg/kg dry	☼	68	26 - 120	
Bis(2-chloroethoxy)methane	<0.184		1.85	1.26		mg/kg dry	☼	68	24 - 120	
Bis(2-chloroethyl)ether	<0.184		1.85	1.26		mg/kg dry	☼	68	22 - 120	
Bis(2-chloroisopropyl)ether	<0.184		1.85	1.38		mg/kg dry	☼	74	20 - 120	
2-Chloronaphthalene	<0.184		1.85	1.16		mg/kg dry	☼	63	24 - 120	
2-Chlorophenol	<0.184		1.85	1.24		mg/kg dry	☼	67	25 - 120	
4-Chlorophenyl phenyl ether	<0.184		1.85	1.44		mg/kg dry	☼	78	26 - 120	
Chrysene	<0.0374		1.85	1.40		mg/kg dry	☼	75	20 - 120	
Dibenz (a,h) anthracene	<0.0374		1.85	1.44		mg/kg dry	☼	78	12 - 128	
Dibenzofuran	<0.184		1.85	1.44		mg/kg dry	☼	78	21 - 120	
Di-n-butyl phthalate	<0.184		1.85	1.47		mg/kg dry	☼	79	29 - 126	
1,4-Dichlorobenzene	<0.184		1.85	1.10		mg/kg dry	☼	59	10 - 120	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11L2985-MS1

Matrix: Soil

Analysis Batch: 11L2985

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11L2985\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
1,2-Dichlorobenzene	<0.184		1.85	1.12		mg/kg dry	*	61	10 - 120
1,3-Dichlorobenzene	<0.184		1.85	1.11		mg/kg dry	*	60	10 - 120
3,3-Dichlorobenzidine	<0.184		1.85	1.24		mg/kg dry	*	67	10 - 120
2,4-Dichlorophenol	<0.184		1.85	1.26		mg/kg dry	*	68	17 - 120
Diethyl phthalate	<0.184		1.85	1.43		mg/kg dry	*	77	29 - 122
2,4-Dimethylphenol	<0.211		1.85	1.27		mg/kg dry	*	68	17 - 120
Dimethyl phthalate	<0.184		1.85	1.35		mg/kg dry	*	73	30 - 120
4,6-Dinitro-2-methylphenol	<0.184		1.85	1.32		mg/kg dry	*	71	10 - 134
2,4-Dinitrophenol	<0.184		1.85	1.25		mg/kg dry	*	68	10 - 150
2,6-Dinitrotoluene	<0.184		1.85	1.22		mg/kg dry	*	66	24 - 120
2,4-Dinitrotoluene	<0.184		1.85	1.22		mg/kg dry	*	66	24 - 121
Di-n-octyl phthalate	<0.184		1.85	1.59		mg/kg dry	*	86	27 - 130
Bis(2-ethylhexyl)phthalate	<0.184		1.85	1.60		mg/kg dry	*	86	26 - 120
Fluoranthene	<0.0374		1.85	1.39		mg/kg dry	*	75	10 - 143
Fluorene	<0.0374		1.85	1.38		mg/kg dry	*	75	20 - 120
Hexachlorobenzene	<0.184		1.85	1.47		mg/kg dry	*	80	25 - 120
Hexachlorobutadiene	<0.184		1.85	1.44		mg/kg dry	*	78	10 - 120
Hexachlorocyclopentadiene	<0.184		1.85	0.792		mg/kg dry	*	43	10 - 120
Hexachloroethane	<0.184		1.85	1.32		mg/kg dry	*	71	10 - 120
Indeno (1,2,3-cd) pyrene	<0.0374		1.85	1.42		mg/kg dry	*	77	22 - 121
Isophorone	<0.184		1.85	1.10		mg/kg dry	*	59	24 - 120
2-Methylnaphthalene	<0.0374		1.85	1.26		mg/kg dry	*	68	13 - 120
2-Methylphenol	<0.184		1.85	1.15		mg/kg dry	*	62	23 - 120
3/4-Methylphenol	<0.184		1.85	1.16		mg/kg dry	*	63	19 - 120
Naphthalene	<0.0374		1.85	1.23		mg/kg dry	*	66	10 - 120
3-Nitroaniline	<0.184		1.85	1.42		mg/kg dry	*	76	31 - 120
2-Nitroaniline	<0.184		1.85	1.39		mg/kg dry	*	75	31 - 120
4-Nitroaniline	<0.184		1.85	1.34		mg/kg dry	*	73	28 - 120
Nitrobenzene	<0.184		1.85	0.977		mg/kg dry	*	53	19 - 120
4-Nitrophenol	<0.184		1.85	1.44		mg/kg dry	*	78	16 - 139
2-Nitrophenol	<0.215		1.85	1.22		mg/kg dry	*	66	23 - 120
N-Nitrosodiphenylamine	<0.201		1.85	1.68		mg/kg dry	*	91	26 - 150
N-Nitrosodi-n-propylamine	<0.184		1.85	1.42		mg/kg dry	*	77	24 - 120
Pentachlorophenol	<0.184		1.85	1.38		mg/kg dry	*	74	19 - 145
Phenanthrene	<0.0374		1.85	1.38		mg/kg dry	*	75	21 - 122
Phenol	<0.184		1.85	1.28		mg/kg dry	*	69	15 - 120
Pyrene	<0.0374		1.85	1.46		mg/kg dry	*	79	20 - 123
1,2,4-Trichlorobenzene	<0.184		1.85	1.06		mg/kg dry	*	57	14 - 120
2,4,6-Trichlorophenol	<0.184		1.85	1.37		mg/kg dry	*	74	24 - 122
2,4,5-Trichlorophenol	<0.184		1.85	1.20		mg/kg dry	*	65	27 - 120

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Terphenyl-d14	85		18 - 120
2,4,6-Tribromophenol	64		19 - 120
Phenol-d5	60		18 - 120
2-Fluorobiphenyl	65		14 - 120
2-Fluorophenol	61		17 - 120
Nitrobenzene-d5	55		17 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-MSD1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
									Limits	RPD		
Acenaphthene	<0.0374		1.85	1.21		mg/kg dry	*	65	19 - 120	12	50	
Acenaphthylene	<0.0374		1.85	1.09		mg/kg dry	*	59	25 - 120	13	50	
Anthracene	<0.0374		1.85	1.25		mg/kg dry	*	67	28 - 125	10	49	
Benzo (a) anthracene	<0.0374		1.85	1.22		mg/kg dry	*	66	23 - 120	13	50	
Benzo (a) pyrene	<0.0374		1.85	1.32		mg/kg dry	*	71	15 - 128	11	50	
Benzo (b) fluoranthene	<0.0374		1.85	1.35		mg/kg dry	*	73	12 - 133	6	50	
Benzo (g,h,i) perylene	<0.0374		1.85	1.28		mg/kg dry	*	69	22 - 120	14	50	
Benzo (k) fluoranthene	<0.0374		1.85	1.15		mg/kg dry	*	62	28 - 120	20	45	
4-Bromophenyl phenyl ether	<0.184		1.85	1.30		mg/kg dry	*	70	31 - 120	11	37	
Butyl benzyl phthalate	<0.184		1.85	1.42		mg/kg dry	*	77	24 - 133	12	50	
Carbazole	<0.184		1.85	1.24		mg/kg dry	*	67	25 - 123	9	46	
4-Chloro-3-methylphenol	<0.184		1.85	1.15		mg/kg dry	*	62	21 - 120	11	49	
4-Chloroaniline	<0.184		1.85	1.13		mg/kg dry	*	61	26 - 120	10	50	
Bis(2-chloroethoxy)methane	<0.184		1.85	1.15		mg/kg dry	*	62	24 - 120	8	50	
Bis(2-chloroethyl)ether	<0.184		1.85	1.16		mg/kg dry	*	63	22 - 120	8	50	
Bis(2-chloroisopropyl)ether	<0.184		1.85	1.24		mg/kg dry	*	67	20 - 120	10	50	
2-Chloronaphthalene	<0.184		1.85	1.02		mg/kg dry	*	55	24 - 120	13	50	
2-Chlorophenol	<0.184		1.85	1.12		mg/kg dry	*	60	25 - 120	10	50	
4-Chlorophenyl phenyl ether	<0.184		1.85	1.24		mg/kg dry	*	67	26 - 120	15	50	
Chrysene	<0.0374		1.85	1.20		mg/kg dry	*	65	20 - 120	15	49	
Dibenz (a,h) anthracene	<0.0374		1.85	1.28		mg/kg dry	*	69	12 - 128	12	50	
Dibenzofuran	<0.184		1.85	1.29		mg/kg dry	*	69	21 - 120	11	50	
Di-n-butyl phthalate	<0.184		1.85	1.32		mg/kg dry	*	71	29 - 126	11	49	
1,4-Dichlorobenzene	<0.184		1.85	0.985		mg/kg dry	*	53	10 - 120	11	50	
1,2-Dichlorobenzene	<0.184		1.85	1.01		mg/kg dry	*	54	10 - 120	11	50	
1,3-Dichlorobenzene	<0.184		1.85	1.00		mg/kg dry	*	54	10 - 120	10	50	
3,3-Dichlorobenzidine	<0.184		1.85	1.17		mg/kg dry	*	63	10 - 120	6	50	
2,4-Dichlorophenol	<0.184		1.85	1.13		mg/kg dry	*	61	17 - 120	10	50	
Diethyl phthalate	<0.184		1.85	1.27		mg/kg dry	*	69	29 - 122	11	45	
2,4-Dimethylphenol	<0.211		1.85	1.19		mg/kg dry	*	64	17 - 120	6	50	
Dimethyl phthalate	<0.184		1.85	1.19		mg/kg dry	*	64	30 - 120	13	46	
4,6-Dinitro-2-methylphenol	<0.184		1.85	1.09		mg/kg dry	*	59	10 - 134	19	50	
2,4-Dinitrophenol	<0.184		1.85	0.860		mg/kg dry	*	46	10 - 150	37	50	
2,6-Dinitrotoluene	<0.184		1.85	1.05		mg/kg dry	*	57	24 - 120	15	50	
2,4-Dinitrotoluene	<0.184		1.85	1.05		mg/kg dry	*	57	24 - 121	15	50	
Di-n-octyl phthalate	<0.184		1.85	1.45		mg/kg dry	*	78	27 - 130	9	50	
Bis(2-ethylhexyl)phthalate	<0.184		1.85	1.44		mg/kg dry	*	78	26 - 120	10	50	
Fluoranthene	<0.0374		1.85	1.25		mg/kg dry	*	67	10 - 143	11	50	
Fluorene	<0.0374		1.85	1.23		mg/kg dry	*	66	20 - 120	12	50	
Hexachlorobenzene	<0.184		1.85	1.30		mg/kg dry	*	70	25 - 120	12	50	
Hexachlorobutadiene	<0.184		1.85	1.31		mg/kg dry	*	71	10 - 120	10	50	
Hexachlorocyclopentadiene	<0.184		1.85	0.708		mg/kg dry	*	38	10 - 120	11	50	
Hexachloroethane	<0.184		1.85	1.21		mg/kg dry	*	65	10 - 120	9	50	
Indeno (1,2,3-cd) pyrene	<0.0374		1.85	1.25		mg/kg dry	*	68	22 - 121	12	50	
Isophorone	<0.184		1.85	1.01		mg/kg dry	*	55	24 - 120	8	50	
2-Methylnaphthalene	<0.0374		1.85	1.14		mg/kg dry	*	61	13 - 120	10	50	
2-Methylphenol	<0.184		1.85	1.03		mg/kg dry	*	56	23 - 120	11	50	
3/4-Methylphenol	<0.184		1.85	1.05		mg/kg dry	*	57	19 - 120	10	50	
Naphthalene	<0.0374		1.85	1.13		mg/kg dry	*	61	10 - 120	8	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-MSD1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
3-Nitroaniline	<0.184		1.85	1.25		mg/kg dry	*	67	31 - 120	13	49
2-Nitroaniline	<0.184		1.85	1.27		mg/kg dry	*	69	31 - 120	9	50
4-Nitroaniline	<0.184		1.85	1.22		mg/kg dry	*	66	28 - 120	10	49
Nitrobenzene	<0.184		1.85	0.917		mg/kg dry	*	49	19 - 120	6	50
4-Nitrophenol	<0.184		1.85	1.29		mg/kg dry	*	70	16 - 139	11	45
2-Nitrophenol	<0.215		1.85	1.13		mg/kg dry	*	61	23 - 120	7	50
N-Nitrosodiphenylamine	<0.201		1.85	1.52		mg/kg dry	*	82	26 - 150	10	50
N-Nitrosodi-n-propylamine	<0.184		1.85	1.28		mg/kg dry	*	69	24 - 120	10	50
Pentachlorophenol	<0.184		1.85	1.17		mg/kg dry	*	63	19 - 145	16	50
Phenanthrene	<0.0374		1.85	1.25		mg/kg dry	*	68	21 - 122	10	50
Phenol	<0.184		1.85	1.15		mg/kg dry	*	62	15 - 120	11	50
Pyrene	<0.0374		1.85	1.28		mg/kg dry	*	69	20 - 123	13	50
1,2,4-Trichlorobenzene	<0.184		1.85	0.959		mg/kg dry	*	52	14 - 120	10	50
2,4,6-Trichlorophenol	<0.184		1.85	1.25		mg/kg dry	*	68	24 - 122	9	50
2,4,5-Trichlorophenol	<0.184		1.85	1.05		mg/kg dry	*	57	27 - 120	14	50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits
Terphenyl-d14	72		18 - 120
2,4,6-Tribromophenol	55		19 - 120
Phenol-d5	53		18 - 120
2-Fluorobiphenyl	55		14 - 120
2-Fluorophenol	52		17 - 120
Nitrobenzene-d5	49		17 - 120

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

**Lab Sample ID: 11L2978-BLK1**

**Matrix: Soil**

**Analysis Batch: U021898**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2978\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0210		0.0333	0.0210	mg/kg wet		12/13/11 12:21	12/14/11 14:20	1.00
PCB-1221	<0.0110		0.0333	0.0110	mg/kg wet		12/13/11 12:21	12/14/11 14:20	1.00
PCB-1232	<0.0160		0.0333	0.0160	mg/kg wet		12/13/11 12:21	12/14/11 14:20	1.00
PCB-1242	<0.0260		0.0333	0.0260	mg/kg wet		12/13/11 12:21	12/14/11 14:20	1.00
PCB-1248	<0.0300		0.0333	0.0300	mg/kg wet		12/13/11 12:21	12/14/11 14:20	1.00
PCB-1254	<0.0110		0.0333	0.0110	mg/kg wet		12/13/11 12:21	12/14/11 14:20	1.00
PCB-1260	<0.0280		0.0333	0.0280	mg/kg wet		12/13/11 12:21	12/14/11 14:20	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	100		19 - 147	12/13/11 12:21	12/14/11 14:20	1.00
Decachlorobiphenyl	122		20 - 150	12/13/11 12:21	12/14/11 14:20	1.00

**Lab Sample ID: 11L2978-BS1**

**Matrix: Soil**

**Analysis Batch: U021898**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2978\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
PCB-1016	0.167	0.163		mg/kg wet		98	64 - 122

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A (Continued)

**Lab Sample ID: 11L2978-BS1**  
**Matrix: Soil**  
**Analysis Batch: U021898**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L2978\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	0.167	0.205		mg/kg wet		123	56 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	102		19 - 147
Decachlorobiphenyl	122		20 - 150

**Lab Sample ID: 11L2978-MS1**  
**Matrix: Soil**  
**Analysis Batch: U021898**

**Client Sample ID: Tract 24 SB-1 (0-2)**  
**Prep Type: Total**  
**Prep Batch: 11L2978\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<0.0254		0.202	0.144		mg/kg dry	☼	72	20 - 175
PCB-1260	<0.0338		0.202	0.218		mg/kg dry	☼	108	51 - 159

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits
Tetrachloro-meta-xylene	66		19 - 147
Decachlorobiphenyl	106		20 - 150

**Lab Sample ID: 11L2978-MSD1**  
**Matrix: Soil**  
**Analysis Batch: U021898**

**Client Sample ID: Tract 24 SB-1 (0-2)**  
**Prep Type: Total**  
**Prep Batch: 11L2978\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<0.0254		0.197	0.142		mg/kg dry	☼	72	20 - 175	2	50
PCB-1260	<0.0338		0.197	0.204		mg/kg dry	☼	103	51 - 159	7	36

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits
Tetrachloro-meta-xylene	70		19 - 147
Decachlorobiphenyl	110		20 - 150

**Lab Sample ID: 11L3524-BLK1**  
**Matrix: Water**  
**Analysis Batch: U022059**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11L3524\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.250		0.500	0.250	ug/L		12/16/11 06:00	12/16/11 19:42	1.00
PCB-1221	<0.250		0.500	0.250	ug/L		12/16/11 06:00	12/16/11 19:42	1.00
PCB-1232	<0.250		0.500	0.250	ug/L		12/16/11 06:00	12/16/11 19:42	1.00
PCB-1242	<0.250		0.500	0.250	ug/L		12/16/11 06:00	12/16/11 19:42	1.00
PCB-1248	<0.250		0.500	0.250	ug/L		12/16/11 06:00	12/16/11 19:42	1.00
PCB-1254	<0.250		0.500	0.250	ug/L		12/16/11 06:00	12/16/11 19:42	1.00
PCB-1260	<0.250		0.500	0.250	ug/L		12/16/11 06:00	12/16/11 19:42	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	91		17 - 142	12/16/11 06:00	12/16/11 19:42	1.00
Decachlorobiphenyl	84		10 - 149	12/16/11 06:00	12/16/11 19:42	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A (Continued)

**Lab Sample ID: 11L3524-BS1**  
**Matrix: Water**  
**Analysis Batch: U022059**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L3524\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	5.00	4.30		ug/L		86	23 - 139
PCB-1260	5.00	5.12		ug/L		102	36 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	91		17 - 142
Decachlorobiphenyl	105		10 - 149

## Method: SW846 6010C - Total Metals by EPA 6010C

**Lab Sample ID: 11L2656-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2656**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11L2656\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Calcium	<0.500		1.00	0.500	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Iron	0.0254 J		0.0500	0.0250	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Magnesium	<0.500		1.00	0.500	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Potassium	<0.500		1.00	0.500	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Sodium	<0.500		1.00	0.500	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/11/11 11:40	12/13/11 02:30	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		12/11/11 11:40	12/13/11 02:30	1.00

**Lab Sample ID: 11L2656-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2656**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L2656\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	2.00	1.95		mg/L		97	80 - 120
Antimony	0.100	0.109		mg/L		109	80 - 120
Arsenic	0.0500	0.0488		mg/L		98	80 - 120
Barium	2.00	2.10		mg/L		105	80 - 120
Beryllium	0.0500	0.0515		mg/L		103	80 - 120
Cadmium	0.0500	0.0516		mg/L		103	80 - 120
Calcium	5.00	5.08		mg/L		102	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2656-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2656**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L2656\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Chromium	0.200	0.202		mg/L		101	80 - 120	
Cobalt	0.500	0.504		mg/L		101	80 - 120	
Copper	0.250	0.252		mg/L		101	80 - 120	
Iron	1.00	1.03	B	mg/L		103	80 - 120	
Lead	0.0500	0.0522		mg/L		104	80 - 120	
Magnesium	5.00	5.28		mg/L		106	80 - 120	
Manganese	0.500	0.516		mg/L		103	80 - 120	
Nickel	0.500	0.515		mg/L		103	80 - 120	
Potassium	5.00	4.80		mg/L		96	80 - 120	
Selenium	0.0500	0.0470		mg/L		94	80 - 120	
Silver	0.0500	0.0520		mg/L		104	80 - 120	
Sodium	5.00	5.02		mg/L		100	80 - 120	
Thallium	0.0500	0.0457		mg/L		91	80 - 120	
Vanadium	0.500	0.497		mg/L		99	80 - 120	
Zinc	0.500	0.495		mg/L		99	80 - 120	

**Lab Sample ID: 11L2656-MS1**  
**Matrix: Water**  
**Analysis Batch: 11L2656**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11L2656\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Aluminum	1.42		2.00	4.32	M7	mg/L		145	75 - 125	
Antimony	<0.00500		0.100	0.107		mg/L		107	75 - 125	
Arsenic	<0.00500		0.0500	0.0544		mg/L		109	75 - 125	
Barium	0.269		2.00	2.34		mg/L		104	75 - 125	
Beryllium	<0.00200		0.0500	0.0504		mg/L		101	75 - 125	
Cadmium	<0.000600		0.0500	0.0500		mg/L		100	75 - 125	
Calcium	177		5.00	180	MHA	mg/L		62	75 - 125	
Chromium	0.00310		0.200	0.201		mg/L		99	75 - 125	
Cobalt	<0.0100		0.500	0.515		mg/L		103	75 - 125	
Copper	0.00670		0.250	0.257		mg/L		100	75 - 125	
Iron	15.1		1.00	16.8	MHA B	mg/L		164	75 - 125	
Lead	<0.00250		0.0500	0.0470		mg/L		94	75 - 125	
Magnesium	47.8		5.00	52.4		mg/L		94	75 - 125	
Manganese	0.637		0.500	1.14		mg/L		100	75 - 125	
Nickel	<0.00500		0.500	0.521		mg/L		104	75 - 125	
Potassium	8.23		5.00	13.1		mg/L		98	75 - 125	
Selenium	<0.00500		0.0500	0.0491		mg/L		98	75 - 125	
Silver	<0.00250		0.0500	0.0524		mg/L		105	75 - 125	
Sodium	27.1		5.00	29.8	MHA	mg/L		55	75 - 125	
Thallium	<0.00500		0.0500	0.0412		mg/L		82	75 - 125	
Vanadium	<0.0100		0.500	0.504		mg/L		101	75 - 125	
Zinc	0.0635		0.500	0.559		mg/L		99	75 - 125	

**Lab Sample ID: 11L2656-MSD1**  
**Matrix: Water**  
**Analysis Batch: 11L2656**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11L2656\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
									Limits		RPD	Limit
Aluminum	1.42		2.00	4.96	M7	mg/L		177	75 - 125	14	20	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2656-MSD1**

**Matrix: Water**

**Analysis Batch: 11L2656**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2656\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	<0.00500		0.100	0.113		mg/L		113	75 - 125	5	20
Arsenic	<0.00500		0.0500	0.0552		mg/L		110	75 - 125	1	20
Barium	0.269		2.00	2.49		mg/L		111	75 - 125	6	20
Beryllium	<0.00200		0.0500	0.0527		mg/L		105	75 - 125	4	20
Cadmium	<0.000600		0.0500	0.0516		mg/L		103	75 - 125	3	20
Calcium	177		5.00	181		mg/L		86	75 - 125	0.7	20
Chromium	0.00310		0.200	0.209		mg/L		103	75 - 125	4	20
Cobalt	<0.0100		0.500	0.541		mg/L		108	75 - 125	5	20
Copper	0.00670		0.250	0.270		mg/L		105	75 - 125	5	20
Iron	15.1		1.00	17.6	MHA B	mg/L		243	75 - 125	5	20
Lead	<0.00250		0.0500	0.0513		mg/L		103	75 - 125	9	20
Magnesium	47.8		5.00	53.0		mg/L		106	75 - 125	1	20
Manganese	0.637		0.500	1.16		mg/L		105	75 - 125	2	20
Nickel	<0.00500		0.500	0.549		mg/L		110	75 - 125	5	20
Potassium	8.23		5.00	13.5		mg/L		105	75 - 125	3	20
Selenium	<0.00500		0.0500	0.0526		mg/L		105	75 - 125	7	20
Silver	<0.00250		0.0500	0.0545		mg/L		109	75 - 125	4	20
Sodium	27.1		5.00	30.0	MHA	mg/L		59	75 - 125	0.7	20
Thallium	<0.00500		0.0500	0.0446		mg/L		89	75 - 125	8	20
Vanadium	<0.0100		0.500	0.524		mg/L		105	75 - 125	4	20
Zinc	0.0635		0.500	0.581		mg/L		104	75 - 125	4	20

**Lab Sample ID: 11L2848-BLK1**

**Matrix: Soil**

**Analysis Batch: 11L2848**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2848\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<10.1		20.2	10.1	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Antimony	<5.05		10.1	5.05	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Arsenic	<0.505		1.01	0.505	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Barium	<1.01		2.02	1.01	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Beryllium	<0.505		1.01	0.505	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Cadmium	<0.505		1.01	0.505	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Calcium	<50.5		101	50.5	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Chromium	<0.505		1.01	0.505	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Cobalt	<1.52		3.03	1.52	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Copper	<1.01		2.02	1.01	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Iron	6.16	J	10.1	5.05	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Lead	<0.505		1.01	0.505	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Magnesium	<50.5		101	50.5	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Manganese	<1.52		3.03	1.52	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Nickel	<1.01		2.02	1.01	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Potassium	<50.5		101	50.5	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Selenium	<1.01		2.02	1.01	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Silver	<0.505		1.01	0.505	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Sodium	<101		202	101	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Thallium	<1.01		2.02	1.01	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Vanadium	<5.05		10.1	5.05	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00
Zinc	<5.05		10.1	5.05	mg/kg wet		12/13/11 06:30	12/13/11 13:03	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2848-BS1**

**Matrix: Soil**

**Analysis Batch: 11L2848**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2848\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	808	748		mg/kg wet		93	80 - 120	
Antimony	40.4	42.4		mg/kg wet		105	80 - 120	
Arsenic	20.2	19.0		mg/kg wet		94	80 - 120	
Barium	808	797		mg/kg wet		99	80 - 120	
Beryllium	20.2	19.0		mg/kg wet		94	80 - 120	
Cadmium	20.2	19.2		mg/kg wet		95	80 - 120	
Calcium	2020	1930		mg/kg wet		96	80 - 120	
Chromium	80.8	74.4		mg/kg wet		92	80 - 120	
Cobalt	202	194		mg/kg wet		96	80 - 120	
Copper	101	94.8		mg/kg wet		94	80 - 120	
Iron	404	393	B	mg/kg wet		97	80 - 120	
Lead	20.2	20.0		mg/kg wet		99	80 - 120	
Magnesium	2020	1900		mg/kg wet		94	80 - 120	
Manganese	202	195		mg/kg wet		97	80 - 120	
Nickel	202	198		mg/kg wet		98	80 - 120	
Potassium	2020	1820		mg/kg wet		90	80 - 120	
Selenium	20.2	18.7		mg/kg wet		93	80 - 120	
Silver	20.2	18.5		mg/kg wet		92	75 - 125	
Sodium	2020	1910		mg/kg wet		95	80 - 120	
Thallium	20.2	18.0		mg/kg wet		89	80 - 120	
Vanadium	202	192		mg/kg wet		95	80 - 120	
Zinc	202	181		mg/kg wet		89	80 - 120	

**Lab Sample ID: 11L2848-BSD1**

**Matrix: Soil**

**Analysis Batch: 11L2848**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2848\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Aluminum	808	750		mg/kg wet		93	80 - 120	0.3	20	
Antimony	40.4	42.9		mg/kg wet		106	80 - 120	1	20	
Arsenic	20.2	18.9		mg/kg wet		94	80 - 120	0.3	20	
Barium	808	798		mg/kg wet		99	80 - 120	0.1	20	
Beryllium	20.2	19.0		mg/kg wet		94	80 - 120	0.1	20	
Cadmium	20.2	19.4		mg/kg wet		96	80 - 120	0.9	20	
Calcium	2020	1940		mg/kg wet		96	80 - 120	0.5	20	
Chromium	80.8	75.2		mg/kg wet		93	80 - 120	1	20	
Cobalt	202	194		mg/kg wet		96	80 - 120	0.1	20	
Copper	101	94.9		mg/kg wet		94	80 - 120	0.1	20	
Iron	404	393	B	mg/kg wet		97	80 - 120	0.05	20	
Lead	20.2	20.0		mg/kg wet		99	80 - 120	0.2	20	
Magnesium	2020	1910		mg/kg wet		95	80 - 120	0.5	20	
Manganese	202	197		mg/kg wet		97	80 - 120	0.6	20	
Nickel	202	199		mg/kg wet		98	80 - 120	0.3	20	
Potassium	2020	1830		mg/kg wet		91	80 - 120	0.3	20	
Selenium	20.2	19.0		mg/kg wet		94	80 - 120	2	20	
Silver	20.2	18.7		mg/kg wet		93	75 - 125	0.8	20	
Sodium	2020	1910		mg/kg wet		95	80 - 120	0.01	20	
Thallium	20.2	17.9		mg/kg wet		89	80 - 120	0.7	20	
Vanadium	202	192		mg/kg wet		95	80 - 120	0.2	20	
Zinc	202	183		mg/kg wet		90	80 - 120	1	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2848-MS1**

**Matrix: Soil**

**Analysis Batch: 11L2848**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L2848\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike			D	%Rec	%Rec. Limits
	Result			Result	Qualifier	Unit			
Aluminum	7630		862	12900	MHA		✱	609 75 - 125	
Antimony	<5.35		43.1	44.3			✱	103 75 - 125	
Arsenic	4.92		21.5	26.3			✱	99 75 - 125	
Barium	40.0		862	903			✱	100 75 - 125	
Beryllium	<0.535		21.5	20.9			✱	97 75 - 125	
Cadmium	0.962		21.5	21.9			✱	97 75 - 125	
Calcium	2540		2150	6140	M7		✱	167 75 - 125	
Chromium	9.99		86.2	94.8			✱	98 75 - 125	
Cobalt	<1.60		215	216			✱	100 75 - 125	
Copper	4.17		108	109			✱	97 75 - 125	
Iron	14100		431	17400	MHA B		✱	762 75 - 125	
Lead	8.70		21.5	33.2			✱	114 75 - 125	
Magnesium	377		2150	2590			✱	103 75 - 125	
Manganese	30.5		215	246			✱	100 75 - 125	
Nickel	2.46		215	223			✱	102 75 - 125	
Potassium	508		2150	2670			✱	100 75 - 125	
Selenium	<1.07		21.5	17.5			✱	81 75 - 125	
Silver	<0.535		21.5	18.4			✱	86 75 - 125	
Sodium	<107		2150	2110			✱	98 75 - 125	
Thallium	<1.07		21.5	19.4			✱	90 75 - 125	
Vanadium	26.9		215	239			✱	98 75 - 125	
Zinc	12.0		215	221			✱	97 75 - 125	

**Lab Sample ID: 11L2848-MSD1**

**Matrix: Soil**

**Analysis Batch: 11L2848**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2848\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup			D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result			Result	Qualifier	Unit					
Aluminum	7630		870	11200	MHA		✱	416 75 - 125	13	20	
Antimony	<5.35		43.5	44.0			✱	101 75 - 125	0.5	20	
Arsenic	4.92		21.8	25.5			✱	95 75 - 125	3	20	
Barium	40.0		870	898			✱	99 75 - 125	0.5	20	
Beryllium	<0.535		21.8	20.5			✱	94 75 - 125	2	20	
Cadmium	0.962		21.8	21.5			✱	95 75 - 125	2	20	
Calcium	2540		2180	10800	MHA		✱	379 75 - 125	55	20	
Chromium	9.99		87.0	92.6			✱	95 75 - 125	2	20	
Cobalt	<1.60		218	212			✱	97 75 - 125	2	20	
Copper	4.17		109	107			✱	95 75 - 125	1	20	
Iron	14100		435	16100	MHA B		✱	446 75 - 125	8	20	
Lead	8.70		21.8	31.9			✱	107 75 - 125	4	20	
Magnesium	377		2180	2530			✱	99 75 - 125	2	20	
Manganese	30.5		218	234			✱	93 75 - 125	5	20	
Nickel	2.46		218	218			✱	99 75 - 125	2	20	
Potassium	508		2180	2560			✱	94 75 - 125	4	20	
Selenium	<1.07		21.8	17.6			✱	81 75 - 125	0.8	20	
Silver	<0.535		21.8	18.3			✱	84 75 - 125	0.8	20	
Sodium	<107		2180	2080			✱	96 75 - 125	2	20	
Thallium	<1.07		21.8	18.8			✱	86 75 - 125	3	20	
Vanadium	26.9		218	232			✱	94 75 - 125	3	20	
Zinc	12.0		218	220			✱	96 75 - 125	0.3	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 11L2640-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2640**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2640\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Barium	0.00910	J	0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Calcium	<0.500		1.00	0.500	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Magnesium	<0.500		1.00	0.500	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Potassium	<0.500		1.00	0.500	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Sodium	0.717	J	1.00	0.500	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/14/11 07:40	12/14/11 15:48	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		12/14/11 07:40	12/14/11 15:48	1.00

**Lab Sample ID: 11L2640-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2640**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2640\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0250		0.0500	0.0250	mg/L		12/14/11 07:40	12/15/11 10:44	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		12/14/11 07:40	12/15/11 10:44	1.00

**Lab Sample ID: 11L2640-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2640**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2640\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	2.00	2.06		mg/L		103	80 - 120
Antimony	0.100	0.120		mg/L		120	80 - 120
Arsenic	0.0500	0.0515		mg/L		103	80 - 120
Barium	2.00	2.14	B	mg/L		107	80 - 120
Beryllium	0.0500	0.0532		mg/L		106	80 - 120
Cadmium	0.0500	0.0512		mg/L		102	80 - 120
Calcium	5.00	5.38		mg/L		108	80 - 120
Chromium	0.200	0.201		mg/L		101	80 - 120
Cobalt	0.500	0.534		mg/L		107	80 - 120
Copper	0.250	0.257		mg/L		103	80 - 120
Lead	0.0500	0.0556		mg/L		111	80 - 120
Magnesium	5.00	5.17		mg/L		103	80 - 120
Manganese	0.500	0.538		mg/L		108	80 - 120
Nickel	0.500	0.539		mg/L		108	80 - 120
Potassium	5.00	5.24		mg/L		105	80 - 120
Selenium	0.0500	0.0498		mg/L		100	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11L2640-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2640**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2640\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Silver	0.0500	0.0520		mg/L		104	80 - 120
Sodium	5.00	5.58	B	mg/L		112	80 - 120
Thallium	0.0500	0.0492		mg/L		98	80 - 120
Vanadium	0.500	0.523		mg/L		105	80 - 120
Zinc	0.500	0.509		mg/L		102	80 - 120

**Lab Sample ID: 11L2640-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2640**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2640\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Iron	1.00	1.03		mg/L		103	80 - 120

**Lab Sample ID: 11L2640-BSD1**  
**Matrix: Water**  
**Analysis Batch: 11L2640**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2640\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aluminum	2.00	1.95		mg/L		97	80 - 120	6	20
Antimony	0.100	0.115		mg/L		115	80 - 120	4	20
Arsenic	0.0500	0.0499		mg/L		100	80 - 120	3	20
Barium	2.00	2.07	B	mg/L		104	80 - 120	3	20
Beryllium	0.0500	0.0509		mg/L		102	80 - 120	4	20
Cadmium	0.0500	0.0496		mg/L		99	80 - 120	3	20
Calcium	5.00	5.20		mg/L		104	80 - 120	3	20
Chromium	0.200	0.194		mg/L		97	80 - 120	3	20
Cobalt	0.500	0.515		mg/L		103	80 - 120	4	20
Copper	0.250	0.249		mg/L		99	80 - 120	3	20
Iron	1.00	1.08		mg/L		108	80 - 120	4	20
Lead	0.0500	0.0536		mg/L		107	80 - 120	4	20
Magnesium	5.00	4.96		mg/L		99	80 - 120	4	20
Manganese	0.500	0.521		mg/L		104	80 - 120	3	20
Nickel	0.500	0.520		mg/L		104	80 - 120	4	20
Potassium	5.00	5.05		mg/L		101	80 - 120	4	20
Selenium	0.0500	0.0487		mg/L		97	80 - 120	2	20
Silver	0.0500	0.0505		mg/L		101	80 - 120	3	20
Sodium	5.00	5.38	B	mg/L		108	80 - 120	4	20
Thallium	0.0500	0.0486		mg/L		97	80 - 120	1	20
Vanadium	0.500	0.505		mg/L		101	80 - 120	3	20
Zinc	0.500	0.486		mg/L		97	80 - 120	5	20

**Lab Sample ID: 11L2640-MS1**  
**Matrix: Water**  
**Analysis Batch: 11L2640**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2640\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	<0.0500		2.00	1.86		mg/L		93	75 - 125
Antimony	<0.00500		0.100	0.118		mg/L		118	75 - 125
Arsenic	0.0104		0.0500	0.0621		mg/L		103	75 - 125
Barium	1.49		2.00	3.48	B	mg/L		99	75 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11L2640-MS1**

**Matrix: Water**

**Analysis Batch: 11L2640**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 11L2640\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Beryllium	<0.00200		0.0500	0.0525		mg/L		105	75 - 125	
Cadmium	0.00700		0.0500	0.0570		mg/L		100	75 - 125	
Calcium	116		5.00	119	MHA	mg/L		62	75 - 125	
Chromium	<0.00250		0.200	0.184		mg/L		92	75 - 125	
Cobalt	<0.0100		0.500	0.557		mg/L		111	75 - 125	
Copper	<0.00500		0.250	0.255		mg/L		102	75 - 125	
Iron	105		1.00	104	MHA	mg/L		-60	75 - 125	
Lead	0.00590		0.0500	0.0609		mg/L		110	75 - 125	
Magnesium	68.8		5.00	72.5	MHA	mg/L		74	75 - 125	
Manganese	3.01		0.500	3.43		mg/L		85	75 - 125	
Nickel	<0.00500		0.500	0.558		mg/L		112	75 - 125	
Potassium	11.2		5.00	16.2		mg/L		98	75 - 125	
Selenium	<0.00500		0.0500	0.0389		mg/L		78	75 - 125	
Silver	<0.00250		0.0500	0.0421		mg/L		84	75 - 125	
Sodium	696		5.00	686	MHA B	mg/L		-208	75 - 125	
Thallium	<0.00500		0.0500	0.0455		mg/L		91	75 - 125	
Vanadium	<0.0100		0.500	0.515		mg/L		103	75 - 125	
Zinc	<0.0250		0.500	0.539		mg/L		108	75 - 125	

**Lab Sample ID: 11L2640-MSD1**

**Matrix: Water**

**Analysis Batch: 11L2640**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 11L2640\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Aluminum	<0.0500		2.00	1.82		mg/L		91	75 - 125	2	20
Antimony	<0.00500		0.100	0.118		mg/L		118	75 - 125	0.8	20
Arsenic	0.0104		0.0500	0.0617		mg/L		103	75 - 125	0.6	20
Barium	1.49		2.00	3.51	B	mg/L		101	75 - 125	1	20
Beryllium	<0.00200		0.0500	0.0527		mg/L		105	75 - 125	0.4	20
Cadmium	0.00700		0.0500	0.0571		mg/L		100	75 - 125	0.2	20
Calcium	116		5.00	124	MHA	mg/L		166	75 - 125	4	20
Chromium	<0.00250		0.200	0.186		mg/L		93	75 - 125	1	20
Cobalt	<0.0100		0.500	0.552		mg/L		110	75 - 125	0.8	20
Copper	<0.00500		0.250	0.254		mg/L		101	75 - 125	0.4	20
Iron	105		1.00	109	MHA	mg/L		410	75 - 125	4	20
Lead	0.00590		0.0500	0.0616		mg/L		111	75 - 125	1	20
Magnesium	68.8		5.00	75.3	MHA	mg/L		130	75 - 125	4	20
Manganese	3.01		0.500	3.55		mg/L		109	75 - 125	3	20
Nickel	<0.00500		0.500	0.553		mg/L		111	75 - 125	0.9	20
Potassium	11.2		5.00	16.5		mg/L		106	75 - 125	2	20
Selenium	<0.00500		0.0500	0.0394		mg/L		79	75 - 125	1	20
Silver	<0.00250		0.0500	0.0417		mg/L		83	75 - 125	1	20
Sodium	696		5.00	701	MHA B	mg/L		92	75 - 125	2	20
Thallium	<0.00500		0.0500	0.0478		mg/L		96	75 - 125	5	20
Vanadium	<0.0100		0.500	0.513		mg/L		103	75 - 125	0.5	20
Zinc	<0.0250		0.500	0.541		mg/L		108	75 - 125	0.3	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 11L2878-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2878**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11L2878\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		12/12/11 10:15	12/12/11 15:25	1.00

**Lab Sample ID: 11L2878-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2878**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L2878\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.00105		mg/L		105	80 - 120

**Lab Sample ID: 11L2878-MS1**  
**Matrix: Water**  
**Analysis Batch: 11L2878**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11L2878\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.000100		0.00100	0.00104		mg/L		104	75 - 125

**Lab Sample ID: 11L2878-MSD1**  
**Matrix: Water**  
**Analysis Batch: 11L2878**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11L2878\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.000100		0.00100	0.00100		mg/L		100	75 - 125	3	20

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 11L2881-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2881**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2881\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		12/12/11 13:55	12/13/11 10:35	1.00

**Lab Sample ID: 11L2881-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2881**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2881\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.00105		mg/L		105	80 - 120

**Lab Sample ID: 11L2881-BSD1**  
**Matrix: Water**  
**Analysis Batch: 11L2881**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2881\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.00104		mg/L		104	80 - 120	1	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 11L2881-MS1**

**Matrix: Water**

**Analysis Batch: 11L2881**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 11L2881\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.000852		mg/L		85	75 - 125

**Lab Sample ID: 11L2881-MSD1**

**Matrix: Water**

**Analysis Batch: 11L2881**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 11L2881\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.000817		mg/L		82	75 - 125	4	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 11L2903-BLK1**

**Matrix: Soil**

**Analysis Batch: 11L2903**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2903\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.050		0.099	0.050	mg/kg wet		12/12/11 13:50	12/14/11 12:53	1.0

**Lab Sample ID: 11L2903-BS1**

**Matrix: Soil**

**Analysis Batch: 11L2903**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2903\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.164	0.17		mg/kg wet		104	80 - 120

**Lab Sample ID: 11L2903-BSD1**

**Matrix: Soil**

**Analysis Batch: 11L2903**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2903\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.167	0.17		mg/kg wet		99	80 - 120	4	20

**Lab Sample ID: 11L2903-MS1**

**Matrix: Soil**

**Analysis Batch: 11L2903**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L2903\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.064		0.212	0.23		mg/kg dry	☼	111	80 - 120

**Lab Sample ID: 11L2903-MSD1**

**Matrix: Soil**

**Analysis Batch: 11L2903**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2903\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.064		0.203	0.23		mg/kg dry	☼	112	80 - 120	3	20



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11L3801-DUP1

Matrix: Soil

Analysis Batch: 11L3801

Client Sample ID: Tract 24 SB-1 (0-2)

Prep Type: Total

Prep Batch: 11L3801\_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	Limit
% Dry Solids	82.5		82.4		%		0.2	20

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## GCMS Volatiles

### Analysis Batch: U021830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3212-BLK1	Method Blank	Total	Water	SW846 8260B	11L3212_P
11L3212-BS1	Lab Control Sample	Total	Water	SW846 8260B	11L3212_P
11L3212-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	11L3212_P
11L3212-MS1	Tract 24 TW-1 (4-8)	Total	Water	SW846 8260B	11L3212_P
11L3212-MSD1	Tract 24 TW-1 (4-8)	Total	Water	SW846 8260B	11L3212_P
NVL1390-03	Tract 24 TW-1 (4-8)	Total	Ground Water	SW846 8260B	11L3212_P
NVL1390-06	Tract 24 TW-2 (3-7)	Total	Ground Water	SW846 8260B	11L3212_P
NVL1390-06 - RE1	Tract 24 TW-2 (3-7)	Total	Ground Water	SW846 8260B	11L3212_P
NVL1390-07	Trip Blank	Total	Water	SW846 8260B	11L3212_P
NVL1390-08	Trip Blank	Total	Water	SW846 8260B	11L3212_P

### Analysis Batch: U022319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4221-BLK1	Method Blank	Total	Soil	SW846 8260B	11L4221_P
11L4221-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11L4221_P
11L4221-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11L4221_P
11L4221-MS1	Matrix Spike	Total	Soil	SW846 8260B	11L4221_P
11L4221-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11L4221_P
NVL1390-04	Tract 24 SB-2 (0-2)	Total	Soil	SW846 8260B	11L4221_P
NVL1390-05	Tract 24 SB-2 (10-14)	Total	Soil	SW846 8260B	11L4221_P

### Analysis Batch: U022384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4561-BLK1	Method Blank	Total	Soil	SW846 8260B	11L4561_P
11L4561-BLK2	Method Blank	Total	Soil	SW846 8260B	11L4561_P
11L4561-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11L4561_P
11L4561-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11L4561_P
11L4561-MS1	Tract 24 SB-1 (0-2)	Total	Soil	SW846 8260B	11L4561_P
11L4561-MSD1	Tract 24 SB-1 (0-2)	Total	Soil	SW846 8260B	11L4561_P
NVL1390-01 - RE1	Tract 24 SB-1 (0-2)	Total	Soil	SW846 8260B	11L4561_P
NVL1390-01 - RE2	Tract 24 SB-1 (0-2)	Total	Soil	SW846 8260B	11L4561_P
NVL1390-02 - RE1	Tract 24 SB-1 (2-6)	Total	Soil	SW846 8260B	11L4561_P
NVL1390-05 - RE1	Tract 24 SB-2 (10-14)	Total	Soil	SW846 8260B	11L4561_P

### Prep Batch: 11L3212\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3212-BLK1	Method Blank	Total	Water	EPA 5030B	
11L3212-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11L3212-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
11L3212-MS1	Tract 24 TW-1 (4-8)	Total	Water	EPA 5030B	
11L3212-MSD1	Tract 24 TW-1 (4-8)	Total	Water	EPA 5030B	
NVL1390-03	Tract 24 TW-1 (4-8)	Total	Ground Water	EPA 5030B	
NVL1390-06	Tract 24 TW-2 (3-7)	Total	Ground Water	EPA 5030B	
NVL1390-06 - RE1	Tract 24 TW-2 (3-7)	Total	Ground Water	EPA 5030B	
NVL1390-07	Trip Blank	Total	Water	EPA 5030B	
NVL1390-08	Trip Blank	Total	Water	EPA 5030B	

### Prep Batch: 11L4221\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4221-BLK1	Method Blank	Total	Soil	EPA 5035	
11L4221-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11L4221-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## GCMS Volatiles (Continued)

### Prep Batch: 11L4221\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4221-MS1	Matrix Spike	Total	Soil	EPA 5035	
11L4221-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NVL1390-04	Tract 24 SB-2 (0-2)	Total	Soil	EPA 5035	
NVL1390-05	Tract 24 SB-2 (10-14)	Total	Soil	EPA 5035	

### Prep Batch: 11L4561\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4561-BLK1	Method Blank	Total	Soil	EPA 5035	
11L4561-BLK2	Method Blank	Total	Soil	EPA 5035	
11L4561-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11L4561-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11L4561-MS1	Tract 24 SB-1 (0-2)	Total	Soil	EPA 5035	
11L4561-MSD1	Tract 24 SB-1 (0-2)	Total	Soil	EPA 5035	
NVL1390-01 - RE1	Tract 24 SB-1 (0-2)	Total	Soil	EPA 5035	
NVL1390-01 - RE2	Tract 24 SB-1 (0-2)	Total	Soil	EPA 5035	
NVL1390-02 - RE1	Tract 24 SB-1 (2-6)	Total	Soil	EPA 5035	
NVL1390-05 - RE1	Tract 24 SB-2 (10-14)	Total	Soil	EPA 5035	

## GCMS Semivolatiles

### Analysis Batch: 11L2985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2985-BLK1	Method Blank	Total	Soil	SW846 8270D	11L2985_P
11L2985-BS1	Lab Control Sample	Total	Soil	SW846 8270D	11L2985_P
11L2985-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8270D	11L2985_P
11L2985-MS1	Matrix Spike	Total	Soil	SW846 8270D	11L2985_P
11L2985-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8270D	11L2985_P
NVL1390-01	Tract 24 SB-1 (0-2)	Total	Soil	SW846 8270D	11L2985_P
NVL1390-01 - RE1	Tract 24 SB-1 (0-2)	Total	Soil	SW846 8270D	11L2985_P
NVL1390-02	Tract 24 SB-1 (2-6)	Total	Soil	SW846 8270D	11L2985_P
NVL1390-04	Tract 24 SB-2 (0-2)	Total	Soil	SW846 8270D	11L2985_P
NVL1390-04 - RE1	Tract 24 SB-2 (0-2)	Total	Soil	SW846 8270D	11L2985_P
NVL1390-05	Tract 24 SB-2 (10-14)	Total	Soil	SW846 8270D	11L2985_P

### Analysis Batch: U021644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2287-BLK1	Method Blank	Total	Water	SW846 8270D	11L2287_P
11L2287-BS1	Lab Control Sample	Total	Water	SW846 8270D	11L2287_P
11L2287-BSD1	Lab Control Sample Dup	Total	Water	SW846 8270D	11L2287_P
NVL1390-03	Tract 24 TW-1 (4-8)	Total	Ground Water	SW846 8270D	11L2287_P
NVL1390-06	Tract 24 TW-2 (3-7)	Total	Ground Water	SW846 8270D	11L2287_P

### Analysis Batch: U021683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL1390-06 - RE1	Tract 24 TW-2 (3-7)	Total	Ground Water	SW846 8270D	11L2287_P
NVL1390-06 - RE2	Tract 24 TW-2 (3-7)	Total	Ground Water	SW846 8270D	11L2287_P

### Prep Batch: 11L2287\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2287-BLK1	Method Blank	Total	Water	EPA 3510C	
11L2287-BS1	Lab Control Sample	Total	Water	EPA 3510C	
11L2287-BSD1	Lab Control Sample Dup	Total	Water	EPA 3510C	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## GCMS Semivolatiles (Continued)

### Prep Batch: 11L2287\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL1390-03	Tract 24 TW-1 (4-8)	Total	Ground Water	EPA 3510C	
NVL1390-06	Tract 24 TW-2 (3-7)	Total	Ground Water	EPA 3510C	
NVL1390-06 - RE1	Tract 24 TW-2 (3-7)	Total	Ground Water	EPA 3510C	
NVL1390-06 - RE2	Tract 24 TW-2 (3-7)	Total	Ground Water	EPA 3510C	

### Prep Batch: 11L2985\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2985-BLK1	Method Blank	Total	Soil	EPA 3550B	
11L2985-BS1	Lab Control Sample	Total	Soil	EPA 3550B	
11L2985-BSD1	Lab Control Sample Dup	Total	Soil	EPA 3550B	
11L2985-MS1	Matrix Spike	Total	Soil	EPA 3550B	
11L2985-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550B	
NVL1390-01	Tract 24 SB-1 (0-2)	Total	Soil	EPA 3550B	
NVL1390-01 - RE1	Tract 24 SB-1 (0-2)	Total	Soil	EPA 3550B	
NVL1390-02	Tract 24 SB-1 (2-6)	Total	Soil	EPA 3550B	
NVL1390-04	Tract 24 SB-2 (0-2)	Total	Soil	EPA 3550B	
NVL1390-04 - RE1	Tract 24 SB-2 (0-2)	Total	Soil	EPA 3550B	
NVL1390-05	Tract 24 SB-2 (10-14)	Total	Soil	EPA 3550B	

## Pesticides

### Analysis Batch: U021898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2978-BLK1	Method Blank	Total	Soil	SW846 8082A	11L2978_P
11L2978-BS1	Lab Control Sample	Total	Soil	SW846 8082A	11L2978_P
11L2978-MS1	Tract 24 SB-1 (0-2)	Total	Soil	SW846 8082A	11L2978_P
11L2978-MSD1	Tract 24 SB-1 (0-2)	Total	Soil	SW846 8082A	11L2978_P
NVL1390-01	Tract 24 SB-1 (0-2)	Total	Soil	SW846 8082A	11L2978_P
NVL1390-02	Tract 24 SB-1 (2-6)	Total	Soil	SW846 8082A	11L2978_P
NVL1390-04	Tract 24 SB-2 (0-2)	Total	Soil	SW846 8082A	11L2978_P
NVL1390-05	Tract 24 SB-2 (10-14)	Total	Soil	SW846 8082A	11L2978_P

### Analysis Batch: U022059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3524-BLK1	Method Blank	Total	Water	SW846 8082A	11L3524_P
11L3524-BS1	Lab Control Sample	Total	Water	SW846 8082A	11L3524_P
NVL1390-03 - RE1	Tract 24 TW-1 (4-8)	Total	Ground Water	SW846 8082A	11L3524_P
NVL1390-06 - RE1	Tract 24 TW-2 (3-7)	Total	Ground Water	SW846 8082A	11L3524_P

### Prep Batch: 11L2978\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2978-BLK1	Method Blank	Total	Soil	EPA 3550C/3665A	
11L2978-BS1	Lab Control Sample	Total	Soil	EPA 3550C/3665A	
11L2978-MS1	Tract 24 SB-1 (0-2)	Total	Soil	EPA 3550C/3665A	
11L2978-MSD1	Tract 24 SB-1 (0-2)	Total	Soil	EPA 3550C/3665A	
NVL1390-01	Tract 24 SB-1 (0-2)	Total	Soil	EPA 3550C/3665A	
NVL1390-02	Tract 24 SB-1 (2-6)	Total	Soil	EPA 3550C/3665A	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Pesticides (Continued)

### Prep Batch: 11L2978\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL1390-04	Tract 24 SB-2 (0-2)	Total	Soil	EPA 3550C/3665A	
NVL1390-05	Tract 24 SB-2 (10-14)	Total	Soil	EPA 3550C/3665A	

### Prep Batch: 11L3524\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3524-BLK1	Method Blank	Total	Water	EPA 3510C/3665A	
11L3524-BS1	Lab Control Sample	Total	Water	EPA 3510C/3665A	
NVL1390-03 - RE1	Tract 24 TW-1 (4-8)	Total	Ground Water	EPA 3510C/3665A	
NVL1390-06 - RE1	Tract 24 TW-2 (3-7)	Total	Ground Water	EPA 3510C/3665A	

## Metals

### Analysis Batch: 11L2640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2640-BLK1	Method Blank	Dissolved	Water	SW846 6010C	11L2640_P
11L2640-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	11L2640_P
11L2640-BSD1	Lab Control Sample Dup	Dissolved	Water	SW846 6010C	11L2640_P
11L2640-MS1	Matrix Spike	Dissolved	Water	SW846 6010C	11L2640_P
11L2640-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 6010C	11L2640_P
NVL1390-03	Tract 24 TW-1 (4-8)	Dissolved	Ground Water	SW846 6010C	11L2640_P
NVL1390-06	Tract 24 TW-2 (3-7)	Dissolved	Ground Water	SW846 6010C	11L2640_P

### Analysis Batch: 11L2656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2656-BLK1	Method Blank	Total	Water	SW846 6010C	11L2656_P
11L2656-BS1	Lab Control Sample	Total	Water	SW846 6010C	11L2656_P
11L2656-MS1	Matrix Spike	Total	Water	SW846 6010C	11L2656_P
11L2656-MSD1	Matrix Spike Duplicate	Total	Water	SW846 6010C	11L2656_P
NVL1390-03	Tract 24 TW-1 (4-8)	Total	Ground Water	SW846 6010C	11L2656_P
NVL1390-06	Tract 24 TW-2 (3-7)	Total	Ground Water	SW846 6010C	11L2656_P

### Analysis Batch: 11L2848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2848-BLK1	Method Blank	Total	Soil	SW846 6010C	11L2848_P
11L2848-BS1	Lab Control Sample	Total	Soil	SW846 6010C	11L2848_P
11L2848-BSD1	Lab Control Sample Dup	Total	Soil	SW846 6010C	11L2848_P
11L2848-MS1	Matrix Spike	Total	Soil	SW846 6010C	11L2848_P
11L2848-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 6010C	11L2848_P
NVL1390-01	Tract 24 SB-1 (0-2)	Total	Soil	SW846 6010C	11L2848_P
NVL1390-02	Tract 24 SB-1 (2-6)	Total	Soil	SW846 6010C	11L2848_P
NVL1390-04	Tract 24 SB-2 (0-2)	Total	Soil	SW846 6010C	11L2848_P
NVL1390-05	Tract 24 SB-2 (10-14)	Total	Soil	SW846 6010C	11L2848_P

### Analysis Batch: 11L2878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2878-BLK1	Method Blank	Total	Water	SW846 7470A	11L2878_P
11L2878-BS1	Lab Control Sample	Total	Water	SW846 7470A	11L2878_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Metals (Continued)

### Analysis Batch: 11L2878 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2878-MS1	Matrix Spike	Total	Water	SW846 7470A	11L2878_P
11L2878-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	11L2878_P
NVL1390-03	Tract 24 TW-1 (4-8)	Total	Ground Water	SW846 7470A	11L2878_P
NVL1390-06	Tract 24 TW-2 (3-7)	Total	Ground Water	SW846 7470A	11L2878_P

### Analysis Batch: 11L2881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2881-BLK1	Method Blank	Dissolved	Water	SW846 7470A	11L2881_P
11L2881-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	11L2881_P
11L2881-BSD1	Lab Control Sample Dup	Dissolved	Water	SW846 7470A	11L2881_P
11L2881-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	11L2881_P
11L2881-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	11L2881_P
NVL1390-03	Tract 24 TW-1 (4-8)	Dissolved	Ground Water	SW846 7470A	11L2881_P
NVL1390-06	Tract 24 TW-2 (3-7)	Dissolved	Ground Water	SW846 7470A	11L2881_P

### Analysis Batch: 11L2903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2903-BLK1	Method Blank	Total	Soil	SW846 7471B	11L2903_P
11L2903-BS1	Lab Control Sample	Total	Soil	SW846 7471B	11L2903_P
11L2903-BSD1	Lab Control Sample Dup	Total	Soil	SW846 7471B	11L2903_P
11L2903-MS1	Matrix Spike	Total	Soil	SW846 7471B	11L2903_P
11L2903-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	11L2903_P
NVL1390-01	Tract 24 SB-1 (0-2)	Total	Soil	SW846 7471B	11L2903_P
NVL1390-02	Tract 24 SB-1 (2-6)	Total	Soil	SW846 7471B	11L2903_P
NVL1390-04	Tract 24 SB-2 (0-2)	Total	Soil	SW846 7471B	11L2903_P
NVL1390-05	Tract 24 SB-2 (10-14)	Total	Soil	SW846 7471B	11L2903_P

### Prep Batch: 11L2640\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2640-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11L2640-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11L2640-BSD1	Lab Control Sample Dup	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11L2640-MS1	Matrix Spike	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11L2640-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NVL1390-03	Tract 24 TW-1 (4-8)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NVL1390-06	Tract 24 TW-2 (3-7)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

### Prep Batch: 11L2656\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2656-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
11L2656-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
11L2656-MS1	Matrix Spike	Total	Water	EPA 3010A / 6010	
11L2656-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3010A / 6010	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Metals (Continued)

### Prep Batch: 11L2656\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL1390-03	Tract 24 TW-1 (4-8)	Total	Ground Water	EPA 3010A / 6010	
NVL1390-06	Tract 24 TW-2 (3-7)	Total	Ground Water	EPA 3010A / 6010	

### Prep Batch: 11L2848\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2848-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
11L2848-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
11L2848-BSD1	Lab Control Sample Dup	Total	Soil	EPA 3051A/6010	
11L2848-MS1	Matrix Spike	Total	Soil	EPA 3051A/6010	
11L2848-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3051A/6010	
NVL1390-01	Tract 24 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NVL1390-02	Tract 24 SB-1 (2-6)	Total	Soil	EPA 3051A/6010	
NVL1390-04	Tract 24 SB-2 (0-2)	Total	Soil	EPA 3051A/6010	
NVL1390-05	Tract 24 SB-2 (10-14)	Total	Soil	EPA 3051A/6010	

### Prep Batch: 11L2878\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2878-BLK1	Method Blank	Total	Water	EPA 7470	
11L2878-BS1	Lab Control Sample	Total	Water	EPA 7470	
11L2878-MS1	Matrix Spike	Total	Water	EPA 7470	
11L2878-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NVL1390-03	Tract 24 TW-1 (4-8)	Total	Ground Water	EPA 7470	
NVL1390-06	Tract 24 TW-2 (3-7)	Total	Ground Water	EPA 7470	

### Prep Batch: 11L2881\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2881-BLK1	Method Blank	Dissolved	Water	EPA 7470	
11L2881-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
11L2881-BSD1	Lab Control Sample Dup	Dissolved	Water	EPA 7470	
11L2881-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
11L2881-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	
NVL1390-03	Tract 24 TW-1 (4-8)	Dissolved	Ground Water	EPA 7470	
NVL1390-06	Tract 24 TW-2 (3-7)	Dissolved	Ground Water	EPA 7470	

### Prep Batch: 11L2903\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2903-BLK1	Method Blank	Total	Soil	EPA 7471	
11L2903-BS1	Lab Control Sample	Total	Soil	EPA 7471	
11L2903-BSD1	Lab Control Sample Dup	Total	Soil	EPA 7471	
11L2903-MS1	Matrix Spike	Total	Soil	EPA 7471	
11L2903-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NVL1390-01	Tract 24 SB-1 (0-2)	Total	Soil	EPA 7471	
NVL1390-02	Tract 24 SB-1 (2-6)	Total	Soil	EPA 7471	
NVL1390-04	Tract 24 SB-2 (0-2)	Total	Soil	EPA 7471	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Metals (Continued)

### Prep Batch: 11L2903\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL1390-05	Tract 24 SB-2 (10-14)	Total	Soil	EPA 7471	

## Extractions

### Analysis Batch: 11L3801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3801-DUP1	Tract 24 SB-1 (0-2)	Total	Soil	SW-846	11L3801_P
NVL1390-01	Tract 24 SB-1 (0-2)	Total	Soil	SW-846	11L3801_P
NVL1390-02	Tract 24 SB-1 (2-6)	Total	Soil	SW-846	11L3801_P
NVL1390-04	Tract 24 SB-2 (0-2)	Total	Soil	SW-846	11L3801_P
NVL1390-05	Tract 24 SB-2 (10-14)	Total	Soil	SW-846	11L3801_P

### Prep Batch: 11L3801\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3801-DUP1	Tract 24 SB-1 (0-2)	Total	Soil	% Solids	
NVL1390-01	Tract 24 SB-1 (0-2)	Total	Soil	% Solids	
NVL1390-02	Tract 24 SB-1 (2-6)	Total	Soil	% Solids	
NVL1390-04	Tract 24 SB-2 (0-2)	Total	Soil	% Solids	
NVL1390-05	Tract 24 SB-2 (10-14)	Total	Soil	% Solids	



# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Client Sample ID: Tract 24 SB-1 (0-2)

Lab Sample ID: NVL1390-01

Date Collected: 12/07/11 11:15

Matrix: Soil

Date Received: 12/09/11 08:00

Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	0.781	11L4561_P	12/07/11 11:15	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U022384	12/20/11 16:52	MJH /	TAL NSH
Total	Prep	EPA 5035	RE2	0.781	11L4561_P	12/07/11 11:15	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE2	1000	U022384	12/20/11 17:20	MJH /	TAL NSH
Total	Prep	EPA 3550B		0.978	11L2985_P	12/14/11 07:46	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2985	12/14/11 18:11	KJP	TAL NSH
Total	Prep	EPA 3550B	RE1	0.978	11L2985_P	12/14/11 07:46	JJR	TAL NSH
Total	Analysis	SW846 8270D	RE1	10.0	11L2985	12/15/11 21:05	KJP	TAL NSH
Total	Prep	EPA 3550C/3665A		0.997	11L2978_P	12/13/11 12:21	JJR	TAL NSH
Total	Analysis	SW846 8082A		1.00	U021898	12/14/11 15:47	RMC	TAL NSH
Total	Prep	EPA 3051A/6010		0.958	11L2848_P	12/13/11 06:30	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11L2848	12/13/11 13:31	AVR	TAL NSH
Total	Prep	EPA 7471		0.96	11L2903_P	12/12/11 13:50	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11L2903	12/14/11 13:42	LTB	TAL NSH
Total	Prep	% Solids		1.00	11L3801_P	12/15/11 15:58	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L3801	12/16/11 09:55	RRS	TAL NSH

## Client Sample ID: Tract 24 SB-1 (2-6)

Lab Sample ID: NVL1390-02

Date Collected: 12/07/11 11:30

Matrix: Soil

Date Received: 12/09/11 08:00

Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	0.766	11L4561_P	12/07/11 11:30	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U022384	12/20/11 15:28	MJH /	TAL NSH
Total	Prep	EPA 3550B		0.969	11L2985_P	12/14/11 07:46	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2985	12/14/11 18:32	KJP	TAL NSH
Total	Prep	EPA 3550C/3665A		0.988	11L2978_P	12/13/11 12:21	JJR	TAL NSH
Total	Analysis	SW846 8082A		1.00	U021898	12/14/11 16:08	RMC	TAL NSH
Total	Prep	EPA 3051A/6010		0.992	11L2848_P	12/13/11 06:30	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11L2848	12/13/11 13:46	AVR	TAL NSH
Total	Prep	EPA 7471		1.0	11L2903_P	12/12/11 13:50	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11L2903	12/14/11 13:44	LTB	TAL NSH
Total	Prep	% Solids		1.00	11L3801_P	12/15/11 15:58	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L3801	12/16/11 09:55	RRS	TAL NSH

## Client Sample ID: Tract 24 TW-1 (4-8)

Lab Sample ID: NVL1390-03

Date Collected: 12/07/11 11:45

Matrix: Ground Water

Date Received: 12/09/11 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L3212_P	12/12/11 09:32	EML	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021830	12/12/11 16:33	EML	TAL NSH
Total	Prep	EPA 3510C		0.952	11L2287_P	12/10/11 11:50	AMJ	TAL NSH
Total	Analysis	SW846 8270D		1.00	U021644	12/11/11 00:28	JLS	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Client Sample ID: Tract 24 TW-1 (4-8)

## Lab Sample ID: NVL1390-03

Date Collected: 12/07/11 11:45

Matrix: Ground Water

Date Received: 12/09/11 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C/3665A	RE1	0.952	11L3524_P	12/16/11 06:00	MAH	TAL NSH
Total	Analysis	SW846 8082A	RE1	1.00	U022059	12/16/11 20:25	RMC	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11L2640_P	12/14/11 07:40	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	11L2640	12/14/11 17:16	AVR	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	11L2656_P	12/11/11 11:40	ALJ	TAL NSH
Total	Analysis	SW846 6010C		1.00	11L2656	12/13/11 03:57	LTB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11L2881_P	12/12/11 13:55	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11L2881	12/13/11 10:54	DEB	TAL NSH
Total	Prep	EPA 7470		1.00	11L2878_P	12/12/11 10:15	DEB	TAL NSH
Total	Analysis	SW846 7470A		1.00	11L2878	12/12/11 15:57	DEB	TAL NSH

## Client Sample ID: Tract 24 SB-2 (0-2)

## Lab Sample ID: NVL1390-04

Date Collected: 12/07/11 14:20

Matrix: Soil

Date Received: 12/09/11 08:00

Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.926	11L4221_P	12/07/11 14:20	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U022319	12/19/11 17:30	MJH /	TAL NSH
Total	Prep	EPA 3550B		0.986	11L2985_P	12/14/11 07:46	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2985	12/14/11 18:54	KJP	TAL NSH
Total	Prep	EPA 3550B	RE1	0.986	11L2985_P	12/14/11 07:46	JJR	TAL NSH
Total	Analysis	SW846 8270D	RE1	10.0	11L2985	12/15/11 21:27	KJP	TAL NSH
Total	Prep	EPA 3550C/3665A		0.995	11L2978_P	12/13/11 12:21	JJR	TAL NSH
Total	Analysis	SW846 8082A		1.00	U021898	12/14/11 16:30	RMC	TAL NSH
Total	Prep	EPA 3051A/6010		0.998	11L2848_P	12/13/11 06:30	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11L2848	12/13/11 13:49	AVR	TAL NSH
Total	Prep	EPA 7471		1.0	11L2903_P	12/12/11 13:50	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11L2903	12/14/11 13:47	LTB	TAL NSH
Total	Prep	% Solids		1.00	11L3801_P	12/15/11 15:58	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L3801	12/16/11 09:55	RRS	TAL NSH

## Client Sample ID: Tract 24 SB-2 (10-14)

## Lab Sample ID: NVL1390-05

Date Collected: 12/07/11 15:30

Matrix: Soil

Date Received: 12/09/11 08:00

Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.831	11L4221_P	12/07/11 15:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U022319	12/19/11 17:58	MJH /	TAL NSH
Total	Prep	EPA 5035	RE1	0.800	11L4561_P	12/07/11 15:30	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U022384	12/20/11 16:24	MJH /	TAL NSH
Total	Prep	EPA 3550B		0.998	11L2985_P	12/14/11 07:46	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2985	12/14/11 19:15	KJP	TAL NSH
Total	Prep	EPA 3550C/3665A		0.978	11L2978_P	12/13/11 12:21	JJR	TAL NSH
Total	Analysis	SW846 8082A		1.00	U021898	12/14/11 16:52	RMC	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

## Client Sample ID: Tract 24 SB-2 (10-14)

Lab Sample ID: NVL1390-05

Date Collected: 12/07/11 15:30

Matrix: Soil

Date Received: 12/09/11 08:00

Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 3051A/6010		0.990	11L2848_P	12/13/11 06:30	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11L2848	12/13/11 13:52	AVR	TAL NSH
Total	Prep	EPA 7471		1.0	11L2903_P	12/12/11 13:50	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11L2903	12/14/11 13:50	LTB	TAL NSH
Total	Prep	% Solids		1.00	11L3801_P	12/15/11 15:58	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L3801	12/16/11 09:55	RRS	TAL NSH

## Client Sample ID: Tract 24 TW-2 (3-7)

Lab Sample ID: NVL1390-06

Date Collected: 12/07/11 15:45

Matrix: Ground Water

Date Received: 12/09/11 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L3212_P	12/12/11 09:32	EML	TAL NSH
Total	Analysis	SW846 8260B		50.0	U021830	12/12/11 16:07	EML	TAL NSH
Total	Prep	EPA 5030B	RE1	1.00	11L3212_P	12/12/11 09:32	EML	TAL NSH
Total	Analysis	SW846 8260B	RE1	5.00	U021830	12/12/11 17:01	EML	TAL NSH
Total	Prep	EPA 3510C		0.962	11L2287_P	12/10/11 11:50	AMJ	TAL NSH
Total	Analysis	SW846 8270D		1.00	U021644	12/11/11 00:49	JLS	TAL NSH
Total	Prep	EPA 3510C	RE1	0.962	11L2287_P	12/10/11 11:50	AMJ	TAL NSH
Total	Analysis	SW846 8270D	RE1	5.00	U021683	12/11/11 17:59	JLS	TAL NSH
Total	Prep	EPA 3510C	RE2	0.962	11L2287_P	12/10/11 11:50	AMJ	TAL NSH
Total	Analysis	SW846 8270D	RE2	25.0	U021683	12/11/11 18:21	JLS	TAL NSH
Total	Prep	EPA 3510C/3665A	RE1	0.943	11L3524_P	12/16/11 06:00	MAH	TAL NSH
Total	Analysis	SW846 8082A	RE1	1.00	U022059	12/16/11 20:47	RMC	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		10.0	11L2640_P	12/14/11 07:40	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	11L2640	12/14/11 17:19	AVR	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	11L2656_P	12/11/11 11:40	ALJ	TAL NSH
Total	Analysis	SW846 6010C		1.00	11L2656	12/13/11 04:00	LTB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11L2881_P	12/12/11 13:55	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11L2881	12/13/11 10:57	DEB	TAL NSH
Total	Prep	EPA 7470		1.00	11L2878_P	12/12/11 10:15	DEB	TAL NSH
Total	Analysis	SW846 7470A		1.00	11L2878	12/12/11 15:59	DEB	TAL NSH

## Client Sample ID: Trip Blank

Lab Sample ID: NVL1390-07

Date Collected: 12/07/11 00:01

Matrix: Water

Date Received: 12/09/11 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L3212_P	12/12/11 09:32	EML	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021830	12/12/11 14:48	EML	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

**Client Sample ID: Trip Blank**

**Lab Sample ID: NVL1390-08**

**Date Collected: 12/07/11 00:01**

**Matrix: Water**

**Date Received: 12/09/11 08:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L3212_P	12/12/11 09:32	EML	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021830	12/12/11 15:14	EML	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 8082A	Polychlorinated Biphenyls by EPA Method 8082A		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Certification Summary

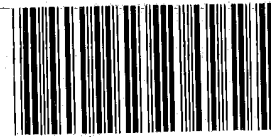
Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1390

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

## COOLER RECI



Cooler Received/Opened On 12/9/2011 @ 0800

NVL1390

1. Tracking # 9800 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 0.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) A

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # P

I certify that I unloaded the cooler and answered questions 7-14 (initial) M

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) B

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) M

I certify that I attached a label with the unique LIMS number to each container (initial) B

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#

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**COOLER RECEIPT FORM**

**NVL1390**  
12/23/11 23:59

Cooler Received/Opened On 12/9/2011 @ 8:00

1. Tracking # 9811 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 3.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES......NO...NA

4. Were custody seals on outside of cooler?  YES...NO...NA

If yes, how many and where: 2 front

5. Were the seals intact, signed, and dated correctly?  YES...NO...NA

6. Were custody papers inside cooler?  YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) J.G.

7. Were custody seals on containers: YES  NO  and Intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used?  Bubblewrap  Plastic bag  Peanuts  Vermiculite  Foam Insert  Paper  Other  None

9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry ice  Other  None

10. Did all containers arrive in good condition (unbroken)?  YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES... NO...NA

14. Was there a Trip Blank in this cooler?  YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (initial) B

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used  YES...NO...NA

16. Was residual chlorine present? YES... NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) B

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) M

I certify that I attached a label with the unique LIMS number to each container (initial) D

21. Were there Non-Conformance issues at login? YES... NO... Was a PIPE generated? YES... NO...#

-04  
-05  
-06  
-08





# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NVL1567  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline

*Roxanne L. Connor*

Authorized for release by:  
12/22/2011 1:29:30 PM  
Roxanne Connor  
Program Manager - Conventional Accounts  
[roxanne.connor@testamericainc.com](mailto:roxanne.connor@testamericainc.com)

Designee for  
Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NVL1567-01	Tract 22 SB-1 (0-2)	Soil	12/08/11 11:45	12/10/11 08:15
NVL1567-02	Tract 22 SB-1 (4-8)	Soil	12/08/11 12:00	12/10/11 08:15
NVL1567-03	Tract 22 TW-1 (16-20)	Ground Water	12/09/11 12:30	12/10/11 08:15
NVL1567-04	Tract 57 SB-1 (0-2)	Soil	12/08/11 15:45	12/10/11 08:15
NVL1567-05	Tract 57 SB-1 (6-10)	Soil	12/08/11 16:30	12/10/11 08:15
NVL1567-06	Tract 57 TW-1 (8-12)	Ground Water	12/09/11 16:50	12/10/11 08:15
NVL1567-07	Trip Blank	Water	12/09/11 00:01	12/10/11 08:15



# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
B	Analyte was detected in the associated Method Blank.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

### GCMS Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M4	The MS/MSD required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
P7	Sample filtered in lab.
B1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 22 SB-1 (0-2)**

**Lab Sample ID: NVL1567-01**

**Date Collected: 12/08/11 11:45**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 73.4**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.0582</b>	<b>J</b>	0.0590	0.0295	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Benzene	<0.00130		0.00236	0.00130	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Bromochloromethane	<0.00141		0.00236	0.00141	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Bromodichloromethane	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Bromoform	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Bromomethane	<0.00141		0.00236	0.00141	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
2-Butanone	<0.0295		0.0590	0.0295	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Carbon disulfide	<0.00424		0.00590	0.00424	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Carbon Tetrachloride	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Chlorobenzene	<0.00130		0.00236	0.00130	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Chlorodibromomethane	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Chloroethane	<0.00295		0.00590	0.00295	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Chloroform	<0.00153	<b>L</b>	0.00236	0.00153	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Chloromethane	<0.00130		0.00236	0.00130	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Cyclohexane	<0.00590		0.0118	0.00590	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,2-Dibromo-3-chloropropane	<0.00295		0.00590	0.00295	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,2-Dibromoethane (EDB)	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Methylcyclohexane	<0.00590		0.0118	0.00590	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,2-Dichlorobenzene	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,3-Dichlorobenzene	<0.00141		0.00236	0.00141	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,4-Dichlorobenzene	<0.00130		0.00236	0.00130	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Dichlorodifluoromethane	<0.00165		0.00236	0.00165	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,2-Dichloroethane	<0.00130		0.00236	0.00130	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,1-Dichloroethane	<0.00153		0.00236	0.00153	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,1-Dichloroethene	<0.00141		0.00236	0.00141	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
trans-1,2-Dichloroethene	<0.00153		0.00236	0.00153	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,1,2-Trifluorotrichloroethane	<0.00130		0.00236	0.00130	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
cis-1,2-Dichloroethene	<0.00130		0.00236	0.00130	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,2-Dichloropropane	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
trans-1,3-Dichloropropene	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
cis-1,3-Dichloropropene	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Ethylbenzene	<0.00130		0.00236	0.00130	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
2-Hexanone	<0.0295		0.0590	0.0295	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Isopropylbenzene	<0.00130		0.00236	0.00130	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Methyl Acetate	<0.00590		0.0118	0.00590	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
<b>Methyl tert-Butyl Ether</b>	<b>0.0201</b>		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Methylene Chloride	<0.00590		0.0118	0.00590	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
4-Methyl-2-pentanone	<0.0295		0.0590	0.0295	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Styrene	<0.00130		0.00236	0.00130	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,1,2,2-Tetrachloroethane	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Tetrachloroethene	<0.00153		0.00236	0.00153	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Toluene	<0.00130		0.00236	0.00130	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,2,4-Trichlorobenzene	<0.00141		0.00236	0.00141	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,2,3-Trichlorobenzene	<0.00130		0.00236	0.00130	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,1,1-Trichloroethane	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
1,1,2-Trichloroethane	<0.00295		0.00590	0.00295	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Trichloroethene	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Trichlorofluoromethane	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Vinyl chloride	<0.00118		0.00236	0.00118	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00
Xylenes, total	<0.00295		0.00590	0.00295	mg/kg dry	☼	12/08/11 11:45	12/14/11 01:18	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 22 SB-1 (0-2)**

**Lab Sample ID: NVL1567-01**

**Date Collected: 12/08/11 11:45**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 73.4**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		70 - 130	12/08/11 11:45	12/14/11 01:18	1.00
Dibromofluoromethane	110		70 - 130	12/08/11 11:45	12/14/11 01:18	1.00
Toluene-d8	101		70 - 130	12/08/11 11:45	12/14/11 01:18	1.00
4-Bromofluorobenzene	115		70 - 130	12/08/11 11:45	12/14/11 01:18	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0449		0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Acenaphthylene	<0.0449		0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Anthracene	<0.0449		0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Benzo (a) anthracene	<0.0449		0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
<b>Benzo (a) pyrene</b>	<b>0.0502</b>	<b>J</b>	0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
<b>Benzo (b) fluoranthene</b>	<b>0.0462</b>	<b>J</b>	0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
<b>Benzo (g,h,i) perylene</b>	<b>0.0471</b>	<b>J</b>	0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
<b>Benzo (k) fluoranthene</b>	<b>0.0537</b>	<b>J</b>	0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
4-Bromophenyl phenyl ether	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Butyl benzyl phthalate	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Carbazole	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
4-Chloro-3-methylphenol	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
4-Chloroaniline	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Bis(2-chloroethoxy)methane	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Bis(2-chloroethyl)ether	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Bis(2-chloroisopropyl)ether	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
2-Chloronaphthalene	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
2-Chlorophenol	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
4-Chlorophenyl phenyl ether	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Chrysene	<0.0449		0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Dibenz (a,h) anthracene	<0.0449		0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Dibenzofuran	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Di-n-butyl phthalate	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
1,4-Dichlorobenzene	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
1,2-Dichlorobenzene	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
1,3-Dichlorobenzene	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
3,3-Dichlorobenzidine	<0.221		0.881	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
2,4-Dichlorophenol	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Diethyl phthalate	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
2,4-Dimethylphenol	<0.254		0.440	0.254	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Dimethyl phthalate	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
4,6-Dinitro-2-methylphenol	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
2,4-Dinitrophenol	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
2,6-Dinitrotoluene	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
2,4-Dinitrotoluene	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Di-n-octyl phthalate	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.281</b>	<b>J</b>	0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
<b>Fluoranthene</b>	<b>0.0753</b>	<b>J</b>	0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Fluorene	<0.0449		0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Hexachlorobenzene	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Hexachlorobutadiene	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Hexachlorocyclopentadiene	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Hexachloroethane	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Indeno (1,2,3-cd) pyrene	<0.0449		0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 22 SB-1 (0-2)**

**Lab Sample ID: NVL1567-01**

**Date Collected: 12/08/11 11:45**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 73.4**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
<b>2-Methylnaphthalene</b>	<b>0.262</b>		0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
2-Methylphenol	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
3/4-Methylphenol	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
<b>Naphthalene</b>	<b>0.184</b>		0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
3-Nitroaniline	<0.221		1.10	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
2-Nitroaniline	<0.221		1.10	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
4-Nitroaniline	<0.221		1.10	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Nitrobenzene	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
4-Nitrophenol	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
2-Nitrophenol	<0.259		0.440	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
N-Nitrosodiphenylamine	<0.242		0.440	0.242	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
N-Nitrosodi-n-propylamine	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Pentachlorophenol	<0.221		1.10	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Phenanthrene	<0.0449		0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
Phenol	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
<b>Pyrene</b>	<b>0.0881</b>	<b>J</b>	0.0885	0.0449	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
1,2,4-Trichlorobenzene	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
2,4,6-Trichlorophenol	<0.221		0.440	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00
2,4,5-Trichlorophenol	<0.221		1.10	0.221	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:37	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Terphenyl-d14</i>	78		18 - 120	12/14/11 07:46	12/14/11 19:37	1.00
<i>2,4,6-Tribromophenol</i>	63		19 - 120	12/14/11 07:46	12/14/11 19:37	1.00
<i>Phenol-d5</i>	59		18 - 120	12/14/11 07:46	12/14/11 19:37	1.00
<i>2-Fluorobiphenyl</i>	63		14 - 120	12/14/11 07:46	12/14/11 19:37	1.00
<i>2-Fluorophenol</i>	53		17 - 120	12/14/11 07:46	12/14/11 19:37	1.00
<i>Nitrobenzene-d5</i>	58		17 - 120	12/14/11 07:46	12/14/11 19:37	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>9730</b>		26.2	13.1	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
Antimony	<6.54		13.1	6.54	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
<b>Arsenic</b>	<b>8.14</b>		1.31	0.654	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
<b>Barium</b>	<b>165</b>		2.62	1.31	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
Beryllium	<0.654		1.31	0.654	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
Cadmium	<0.654		1.31	0.654	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
<b>Calcium</b>	<b>19400</b>		131	65.4	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
<b>Chromium</b>	<b>36.5</b>		1.31	0.654	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
<b>Cobalt</b>	<b>3.22</b>	<b>J</b>	3.92	1.96	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
<b>Copper</b>	<b>113</b>		2.62	1.31	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
<b>Iron</b>	<b>23800</b>		13.1	6.54	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
<b>Lead</b>	<b>378</b>		1.31	0.654	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
<b>Magnesium</b>	<b>1160</b>		131	65.4	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
<b>Manganese</b>	<b>122</b>		3.92	1.96	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
<b>Nickel</b>	<b>20.4</b>		2.62	1.31	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
<b>Potassium</b>	<b>408</b>		131	65.4	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
Selenium	<1.31		2.62	1.31	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
Silver	<0.654		1.31	0.654	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
Sodium	<131		262	131	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
Thallium	<1.31		2.62	1.31	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Client Sample ID: Tract 22 SB-1 (0-2)

Lab Sample ID: NVL1567-01

Date Collected: 12/08/11 11:45

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 73.4

### Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	17.6		13.1	6.54	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00
Zinc	229		13.1	6.54	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:35	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22		0.14	0.069	mg/kg dry	☼	12/12/11 13:50	12/14/11 13:57	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	73.4		0.500	0.500	%		12/19/11 14:41	12/20/11 10:38	1.00

## Client Sample ID: Tract 22 SB-1 (4-8)

Lab Sample ID: NVL1567-02

Date Collected: 12/08/11 12:00

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 74.9

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.122		0.0571	0.0285	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Benzene	<0.00126		0.00228	0.00126	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Bromochloromethane	<0.00137		0.00228	0.00137	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Bromodichloromethane	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Bromoform	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Bromomethane	<0.00137		0.00228	0.00137	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
2-Butanone	<0.0285		0.0571	0.0285	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Carbon disulfide	<0.00411		0.00571	0.00411	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Carbon Tetrachloride	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Chlorobenzene	<0.00126		0.00228	0.00126	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Chlorodibromomethane	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Chloroethane	<0.00285		0.00571	0.00285	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Chloroform	<0.00148	L	0.00228	0.00148	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Chloromethane	<0.00126		0.00228	0.00126	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Cyclohexane	<0.00571		0.0114	0.00571	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,2-Dibromo-3-chloropropane	<0.00285		0.00571	0.00285	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,2-Dibromoethane (EDB)	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Methylcyclohexane	<0.00571		0.0114	0.00571	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,2-Dichlorobenzene	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,3-Dichlorobenzene	<0.00137		0.00228	0.00137	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,4-Dichlorobenzene	<0.00126		0.00228	0.00126	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Dichlorodifluoromethane	<0.00160		0.00228	0.00160	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,2-Dichloroethane	<0.00126		0.00228	0.00126	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,1-Dichloroethane	<0.00148		0.00228	0.00148	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,1-Dichloroethene	<0.00137		0.00228	0.00137	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
trans-1,2-Dichloroethene	<0.00148		0.00228	0.00148	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,1,2-Trifluoroethane	<0.00126		0.00228	0.00126	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
cis-1,2-Dichloroethene	<0.00126		0.00228	0.00126	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,2-Dichloropropane	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
trans-1,3-Dichloropropene	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
cis-1,3-Dichloropropene	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Ethylbenzene	<0.00126		0.00228	0.00126	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
2-Hexanone	<0.0285		0.0571	0.0285	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 22 SB-1 (4-8)**

**Lab Sample ID: NVL1567-02**

**Date Collected: 12/08/11 12:00**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 74.9**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	<0.00126		0.00228	0.00126	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Methyl Acetate	<0.00571		0.0114	0.00571	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
<b>Methyl tert-Butyl Ether</b>	<b>0.0180</b>		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Methylene Chloride	<0.00571		0.0114	0.00571	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
4-Methyl-2-pentanone	<0.0285		0.0571	0.0285	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Styrene	<0.00126		0.00228	0.00126	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,1,2,2-Tetrachloroethane	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Tetrachloroethene	<0.00148		0.00228	0.00148	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Toluene	<0.00126		0.00228	0.00126	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,2,4-Trichlorobenzene	<0.00137		0.00228	0.00137	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,2,3-Trichlorobenzene	<0.00126		0.00228	0.00126	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,1,1-Trichloroethane	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
1,1,2-Trichloroethane	<0.00285		0.00571	0.00285	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Trichloroethene	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Trichlorofluoromethane	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Vinyl chloride	<0.00114		0.00228	0.00114	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00
Xylenes, total	<0.00285		0.00571	0.00285	mg/kg dry	☼	12/08/11 12:00	12/14/11 01:48	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		70 - 130	12/08/11 12:00	12/14/11 01:48	1.00
Dibromofluoromethane	115		70 - 130	12/08/11 12:00	12/14/11 01:48	1.00
Toluene-d8	99		70 - 130	12/08/11 12:00	12/14/11 01:48	1.00
4-Bromofluorobenzene	107		70 - 130	12/08/11 12:00	12/14/11 01:48	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Acenaphthylene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Anthracene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Benzo (a) anthracene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Benzo (a) pyrene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Benzo (b) fluoranthene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Benzo (g,h,i) perylene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Benzo (k) fluoranthene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
4-Bromophenyl phenyl ether	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Butyl benzyl phthalate	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Carbazole	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
4-Chloro-3-methylphenol	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
4-Chloroaniline	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Bis(2-chloroethoxy)methane	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Bis(2-chloroethyl)ether	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Bis(2-chloroisopropyl)ether	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2-Chloronaphthalene	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2-Chlorophenol	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
4-Chlorophenyl phenyl ether	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Chrysene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Dibenz (a,h) anthracene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Dibenzofuran	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Di-n-butyl phthalate	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
1,4-Dichlorobenzene	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
1,2-Dichlorobenzene	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 22 SB-1 (4-8)**

**Lab Sample ID: NVL1567-02**

**Date Collected: 12/08/11 12:00**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 74.9**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
3,3-Dichlorobenzidine	<0.220		0.879	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2,4-Dichlorophenol	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Diethyl phthalate	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2,4-Dimethylphenol	<0.253		0.439	0.253	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Dimethyl phthalate	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
4,6-Dinitro-2-methylphenol	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2,4-Dinitrophenol	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2,6-Dinitrotoluene	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2,4-Dinitrotoluene	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Di-n-octyl phthalate	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Bis(2-ethylhexyl)phthalate	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
<b>Fluoranthene</b>	<b>0.0505</b>	<b>J</b>	0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Fluorene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Hexachlorobenzene	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Hexachlorobutadiene	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Hexachlorocyclopentadiene	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Hexachloroethane	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Indeno (1,2,3-cd) pyrene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Isophorone	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2-Methylnaphthalene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2-Methylphenol	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
3/4-Methylphenol	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Naphthalene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
3-Nitroaniline	<0.220		1.10	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2-Nitroaniline	<0.220		1.10	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
4-Nitroaniline	<0.220		1.10	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Nitrobenzene	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
4-Nitrophenol	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2-Nitrophenol	<0.258		0.439	0.258	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
N-Nitrosodiphenylamine	<0.241		0.439	0.241	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
N-Nitrosodi-n-propylamine	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Pentachlorophenol	<0.220		1.10	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Phenanthrene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Phenol	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
Pyrene	<0.0448		0.0882	0.0448	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
1,2,4-Trichlorobenzene	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2,4,6-Trichlorophenol	<0.220		0.439	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00
2,4,5-Trichlorophenol	<0.220		1.10	0.220	mg/kg dry	☼	12/14/11 07:46	12/14/11 19:59	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	82		18 - 120	12/14/11 07:46	12/14/11 19:59	1.00
2,4,6-Tribromophenol	62		19 - 120	12/14/11 07:46	12/14/11 19:59	1.00
Phenol-d5	63		18 - 120	12/14/11 07:46	12/14/11 19:59	1.00
2-Fluorobiphenyl	63		14 - 120	12/14/11 07:46	12/14/11 19:59	1.00
2-Fluorophenol	59		17 - 120	12/14/11 07:46	12/14/11 19:59	1.00
Nitrobenzene-d5	60		17 - 120	12/14/11 07:46	12/14/11 19:59	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>8330</b>		25.5	12.7	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 22 SB-1 (4-8)**

**Lab Sample ID: NVL1567-02**

Date Collected: 12/08/11 12:00

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 74.9

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<6.37		12.7	6.37	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Arsenic</b>	<b>5.68</b>		1.27	0.637	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Barium</b>	<b>37.8</b>		2.55	1.27	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
Beryllium	<0.637		1.27	0.637	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
Cadmium	<0.637		1.27	0.637	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Calcium</b>	<b>5320</b>		127	63.7	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Chromium</b>	<b>17.4</b>		1.27	0.637	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
Cobalt	<1.91		3.82	1.91	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Copper</b>	<b>18.6</b>		2.55	1.27	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Iron</b>	<b>7350</b>		12.7	6.37	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Lead</b>	<b>57.6</b>		1.27	0.637	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Magnesium</b>	<b>462</b>		127	63.7	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Manganese</b>	<b>42.6</b>		3.82	1.91	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Nickel</b>	<b>4.03</b>		2.55	1.27	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Potassium</b>	<b>250</b>		127	63.7	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
Selenium	<1.27		2.55	1.27	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
Silver	<0.637		1.27	0.637	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
Sodium	<127		255	127	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
Thallium	<1.27		2.55	1.27	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Vanadium</b>	<b>12.1 J</b>		12.7	6.37	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00
<b>Zinc</b>	<b>38.6</b>		12.7	6.37	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:38	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.065		0.13	0.065	mg/kg dry	☼	12/12/11 13:50	12/14/11 14:06	1.0

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>% Dry Solids</b>	<b>74.9</b>		0.500	0.500	%		12/19/11 14:41	12/20/11 10:38	1.00

**Client Sample ID: Tract 22 TW-1 (16-20)**

**Lab Sample ID: NVL1567-03**

Date Collected: 12/09/11 12:30

Matrix: Ground Water

Date Received: 12/10/11 08:15

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Benzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
<b>Bromoform</b>	<b>0.510 J</b>		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Chloroform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 22 TW-1 (16-20)**

**Lab Sample ID: NVL1567-03**

**Date Collected: 12/09/11 12:30**

**Matrix: Ground Water**

**Date Received: 12/10/11 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
<b>Methyl tert-Butyl Ether</b>	<b>1.35</b>		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Styrene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
<b>Toluene</b>	<b>0.940 J</b>		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		12/13/11 10:04	12/13/11 15:36	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	92		70 - 130				12/13/11 10:04	12/13/11 15:36	1.00
Dibromofluoromethane	97		70 - 130				12/13/11 10:04	12/13/11 15:36	1.00
Toluene-d8	101		70 - 130				12/13/11 10:04	12/13/11 15:36	1.00
4-Bromofluorobenzene	95		70 - 130				12/13/11 10:04	12/13/11 15:36	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Acenaphthylene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Anthracene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Benzo (a) anthracene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Benzo (a) pyrene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Benzo (b) fluoranthene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 22 TW-1 (16-20)**

**Lab Sample ID: NVL1567-03**

**Date Collected: 12/09/11 12:30**

**Matrix: Ground Water**

**Date Received: 12/10/11 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo (g,h,i) perylene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Benzo (k) fluoranthene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
4-Bromophenyl phenyl ether	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Butyl benzyl phthalate	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Carbazole	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
4-Chloro-3-methylphenol	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
4-Chloroaniline	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Bis(2-chloroethoxy)methane	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Bis(2-chloroethyl)ether	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Bis(2-chloroisopropyl)ether	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2-Chloronaphthalene	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2-Chlorophenol	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
4-Chlorophenyl phenyl ether	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Chrysene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Dibenz (a,h) anthracene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Dibenzofuran	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Di-n-butyl phthalate	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
1,4-Dichlorobenzene	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
1,2-Dichlorobenzene	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
1,3-Dichlorobenzene	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
3,3-Dichlorobenzidine	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2,4-Dichlorophenol	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Diethyl phthalate	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2,4-Dimethylphenol	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Dimethyl phthalate	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
4,6-Dinitro-2-methylphenol	<12.4		23.8	12.4	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2,4-Dinitrophenol	<12.4		23.8	12.4	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2,6-Dinitrotoluene	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2,4-Dinitrotoluene	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Di-n-octyl phthalate	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Bis(2-ethylhexyl)phthalate	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Fluoranthene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Fluorene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Hexachlorobenzene	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Hexachlorobutadiene	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Hexachlorocyclopentadiene	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Hexachloroethane	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Indeno (1,2,3-cd) pyrene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Isophorone	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2-Methylnaphthalene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2-Methylphenol	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Naphthalene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
3/4-Methylphenol	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
3-Nitroaniline	<12.4		23.8	12.4	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2-Nitroaniline	<12.4		23.8	12.4	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
4-Nitroaniline	<12.4		23.8	12.4	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Nitrobenzene	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
4-Nitrophenol	<4.76		23.8	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2-Nitrophenol	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
N-Nitrosodiphenylamine	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 22 TW-1 (16-20)**

**Lab Sample ID: NVL1567-03**

**Date Collected: 12/09/11 12:30**

**Matrix: Ground Water**

**Date Received: 12/10/11 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Pentachlorophenol	<12.4		23.8	12.4	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Phenanthrene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Phenol	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
Pyrene	<0.952		1.90	0.952	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
1,2,4-Trichlorobenzene	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2,4,6-Trichlorophenol	<4.76		9.52	4.76	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
2,4,5-Trichlorophenol	<12.4		23.8	12.4	ug/L		12/13/11 09:40	12/13/11 19:09	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Terphenyl-d14	28		13 - 120				12/13/11 09:40	12/13/11 19:09	1.00
2,4,6-Tribromophenol	35		10 - 120				12/13/11 09:40	12/13/11 19:09	1.00
Phenol-d5	14		10 - 120				12/13/11 09:40	12/13/11 19:09	1.00
2-Fluorobiphenyl	32		29 - 120				12/13/11 09:40	12/13/11 19:09	1.00
2-Fluorophenol	25		10 - 120				12/13/11 09:40	12/13/11 19:09	1.00
Nitrobenzene-d5	38		27 - 120				12/13/11 09:40	12/13/11 19:09	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500	P7	0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Arsenic	<0.00500	P7	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
<b>Barium</b>	<b>0.0366</b>	<b>P7</b>	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Cadmium	<0.000600	P7	0.00100	0.000600	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
<b>Calcium</b>	<b>73.9</b>	<b>MHA P7</b>	1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Cobalt	<0.0100	P7	0.0200	0.0100	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
<b>Iron</b>	<b>0.170</b>	<b>P7</b>	0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Lead	<0.00250	P7	0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
<b>Magnesium</b>	<b>8.00</b>	<b>P7</b>	1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
<b>Manganese</b>	<b>0.0595</b>	<b>P7</b>	0.0150	0.00750	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Nickel	<0.00500	P7	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
<b>Potassium</b>	<b>5.57</b>	<b>P7</b>	1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Silver	<0.00250	P7	0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
<b>Sodium</b>	<b>24.7</b>	<b>MHA P7</b>	1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		12/13/11 12:10	12/16/11 05:43	1.00
Zinc	<0.0250	P7	0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 05:43	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>79.0</b>		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
Antimony	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Arsenic</b>	<b>0.204</b>		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Barium</b>	<b>0.329</b>		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
Beryllium	<0.0200		0.0400	0.0200	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Cadmium</b>	<b>0.0200</b>		0.0100	0.00600	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Calcium</b>	<b>656</b>		10.0	5.00	mg/L		12/13/11 12:10	12/16/11 12:42	10.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 22 TW-1 (16-20)**

**Lab Sample ID: NVL1567-03**

Date Collected: 12/09/11 12:30

Matrix: Ground Water

Date Received: 12/10/11 08:15

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chromium</b>	<b>0.599</b>		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
Cobalt	<0.100		0.200	0.100	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Copper</b>	<b>0.319</b>		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Iron</b>	<b>315</b>		0.500	0.250	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Lead</b>	<b>0.128</b>		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Magnesium</b>	<b>44.4</b>		10.0	5.00	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Manganese</b>	<b>3.24</b>		0.150	0.0750	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Nickel</b>	<b>0.383</b>		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Potassium</b>	<b>18.1</b>		10.0	5.00	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
Selenium	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
Silver	<0.0250		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Sodium</b>	<b>37.1</b>	<b>B1 B</b>	10.0	5.00	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
Thallium	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Vanadium</b>	<b>0.260</b>		0.200	0.100	mg/L		12/13/11 12:10	12/16/11 12:42	10.0
<b>Zinc</b>	<b>5.48</b>		0.500	0.250	mg/L		12/13/11 12:10	12/16/11 12:42	10.0

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		12/12/11 13:55	12/13/11 10:59	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<b>0.000145</b>	<b>J</b>	0.000200	0.000100	mg/L		12/14/11 14:42	12/15/11 09:43	1.00

**Client Sample ID: Tract 57 SB-1 (0-2)**

**Lab Sample ID: NVL1567-04**

Date Collected: 12/08/11 15:45

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 86.2

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0276		0.0553	0.0276	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Benzene	<0.00122		0.00221	0.00122	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Bromochloromethane	<0.00133		0.00221	0.00133	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Bromodichloromethane	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Bromoform	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Bromomethane	<0.00133		0.00221	0.00133	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
2-Butanone	<0.0276		0.0553	0.0276	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Carbon disulfide	<0.00398		0.00553	0.00398	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Carbon Tetrachloride	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Chlorobenzene	<0.00122		0.00221	0.00122	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Chlorodibromomethane	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Chloroethane	<0.00276		0.00553	0.00276	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Chloroform	<0.00144	L	0.00221	0.00144	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Chloromethane	<0.00122		0.00221	0.00122	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Cyclohexane	<0.00553		0.0111	0.00553	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,2-Dibromo-3-chloropropane	<0.00276		0.00553	0.00276	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,2-Dibromoethane (EDB)	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Methylcyclohexane	<0.00553		0.0111	0.00553	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,2-Dichlorobenzene	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,3-Dichlorobenzene	<0.00133		0.00221	0.00133	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 57 SB-1 (0-2)**

**Lab Sample ID: NVL1567-04**

**Date Collected: 12/08/11 15:45**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 86.2**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.00122		0.00221	0.00122	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Dichlorodifluoromethane	<0.00155		0.00221	0.00155	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,2-Dichloroethane	<0.00122		0.00221	0.00122	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,1-Dichloroethane	<0.00144		0.00221	0.00144	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,1-Dichloroethene	<0.00133		0.00221	0.00133	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
trans-1,2-Dichloroethene	<0.00144		0.00221	0.00144	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,1,2-Trifluorotrchloroethane	<0.00122		0.00221	0.00122	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
cis-1,2-Dichloroethene	<0.00122		0.00221	0.00122	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,2-Dichloropropane	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
trans-1,3-Dichloropropene	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
cis-1,3-Dichloropropene	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Ethylbenzene	<0.00122		0.00221	0.00122	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
2-Hexanone	<0.0276		0.0553	0.0276	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Isopropylbenzene	<0.00122		0.00221	0.00122	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Methyl Acetate	<0.00553		0.0111	0.00553	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Methyl tert-Butyl Ether	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Methylene Chloride	<0.00553		0.0111	0.00553	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
4-Methyl-2-pentanone	<0.0276		0.0553	0.0276	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Styrene	<0.00122		0.00221	0.00122	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,1,2,2-Tetrachloroethane	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Tetrachloroethene	<0.00144		0.00221	0.00144	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Toluene	<0.00122		0.00221	0.00122	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,2,4-Trichlorobenzene	<0.00133		0.00221	0.00133	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,2,3-Trichlorobenzene	<0.00122		0.00221	0.00122	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,1,1-Trichloroethane	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
1,1,2-Trichloroethane	<0.00276		0.00553	0.00276	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Trichloroethene	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Trichlorofluoromethane	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Vinyl chloride	<0.00111		0.00221	0.00111	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00
Xylenes, total	<0.00276		0.00553	0.00276	mg/kg dry	☼	12/08/11 15:45	12/14/11 02:17	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	97		70 - 130	12/08/11 15:45	12/14/11 02:17	1.00
Dibromofluoromethane	103		70 - 130	12/08/11 15:45	12/14/11 02:17	1.00
Toluene-d8	96		70 - 130	12/08/11 15:45	12/14/11 02:17	1.00
4-Bromofluorobenzene	101		70 - 130	12/08/11 15:45	12/14/11 02:17	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Acenaphthylene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Anthracene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Benzo (a) anthracene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Benzo (a) pyrene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Benzo (b) fluoranthene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Benzo (g,h,i) perylene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Benzo (k) fluoranthene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
4-Bromophenyl phenyl ether	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Butyl benzyl phthalate	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Carbazole	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
4-Chloro-3-methylphenol	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 57 SB-1 (0-2)**

**Lab Sample ID: NVL1567-04**

**Date Collected: 12/08/11 15:45**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 86.2**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Bis(2-chloroethoxy)methane	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Bis(2-chloroethyl)ether	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Bis(2-chloroisopropyl)ether	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
2-Chloronaphthalene	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
2-Chlorophenol	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
4-Chlorophenyl phenyl ether	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Chrysene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Dibenz (a,h) anthracene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Dibenzofuran	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Di-n-butyl phthalate	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
1,4-Dichlorobenzene	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
1,2-Dichlorobenzene	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
1,3-Dichlorobenzene	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
3,3-Dichlorobenzidine	<0.191		0.762	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
2,4-Dichlorophenol	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Diethyl phthalate	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
2,4-Dimethylphenol	<0.219		0.380	0.219	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Dimethyl phthalate	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
4,6-Dinitro-2-methylphenol	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
2,4-Dinitrophenol	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
2,6-Dinitrotoluene	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
2,4-Dinitrotoluene	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Di-n-octyl phthalate	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Bis(2-ethylhexyl)phthalate	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Fluoranthene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Fluorene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Hexachlorobenzene	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Hexachlorobutadiene	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Hexachlorocyclopentadiene	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Hexachloroethane	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Indeno (1,2,3-cd) pyrene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Isophorone	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
2-Methylnaphthalene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
2-Methylphenol	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
3/4-Methylphenol	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Naphthalene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
3-Nitroaniline	<0.191		0.951	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
2-Nitroaniline	<0.191		0.951	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
4-Nitroaniline	<0.191		0.951	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Nitrobenzene	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
4-Nitrophenol	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
2-Nitrophenol	<0.224		0.380	0.224	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
N-Nitrosodiphenylamine	<0.209		0.380	0.209	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
N-Nitrosodi-n-propylamine	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Pentachlorophenol	<0.191		0.951	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Phenanthrene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Phenol	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
Pyrene	<0.0388		0.0765	0.0388	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
1,2,4-Trichlorobenzene	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 57 SB-1 (0-2)**

**Lab Sample ID: NVL1567-04**

**Date Collected: 12/08/11 15:45**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 86.2**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<0.191		0.380	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
2,4,5-Trichlorophenol	<0.191		0.951	0.191	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:21	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Terphenyl-d14	75		18 - 120				12/14/11 07:46	12/14/11 20:21	1.00
2,4,6-Tribromophenol	61		19 - 120				12/14/11 07:46	12/14/11 20:21	1.00
Phenol-d5	60		18 - 120				12/14/11 07:46	12/14/11 20:21	1.00
2-Fluorobiphenyl	61		14 - 120				12/14/11 07:46	12/14/11 20:21	1.00
2-Fluorophenol	57		17 - 120				12/14/11 07:46	12/14/11 20:21	1.00
Nitrobenzene-d5	59		17 - 120				12/14/11 07:46	12/14/11 20:21	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>6540</b>		22.5	11.3	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
Antimony	<5.63		11.3	5.63	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Arsenic</b>	<b>2.14</b>		1.13	0.563	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Barium</b>	<b>33.7</b>		2.25	1.13	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
Beryllium	<0.563		1.13	0.563	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
Cadmium	<0.563		1.13	0.563	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Calcium</b>	<b>823</b>		113	56.3	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Chromium</b>	<b>9.58</b>		1.13	0.563	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
Cobalt	<1.69		3.38	1.69	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Copper</b>	<b>9.12</b>		2.25	1.13	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Iron</b>	<b>3810</b>		11.3	5.63	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Lead</b>	<b>32.8</b>		1.13	0.563	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Magnesium</b>	<b>329</b>		113	56.3	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Manganese</b>	<b>33.9</b>		3.38	1.69	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Nickel</b>	<b>2.64</b>		2.25	1.13	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Potassium</b>	<b>131</b>		113	56.3	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
Selenium	<1.13		2.25	1.13	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
Silver	<0.563		1.13	0.563	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
Sodium	<113		225	113	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
Thallium	<1.13		2.25	1.13	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Vanadium</b>	<b>8.76 J</b>		11.3	5.63	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00
<b>Zinc</b>	<b>33.3</b>		11.3	5.63	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:42	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.057		0.11	0.057	mg/kg dry	☼	12/12/11 13:50	12/14/11 14:08	1.0

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>% Dry Solids</b>	<b>86.2</b>		0.500	0.500	%		12/19/11 10:45	12/20/11 10:33	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 57 SB-1 (6-10)**

**Lab Sample ID: NVL1567-05**

**Date Collected: 12/08/11 16:30**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 83.7**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0248		0.0495	0.0248	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Benzene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Bromochloromethane	<0.00119		0.00198	0.00119	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Bromodichloromethane	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Bromoform	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Bromomethane	<0.00119		0.00198	0.00119	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
2-Butanone	<0.0248		0.0495	0.0248	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Carbon disulfide	<0.00357		0.00495	0.00357	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Carbon Tetrachloride	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Chlorobenzene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Chlorodibromomethane	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Chloroethane	<0.00248		0.00495	0.00248	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Chloroform	<0.00129	L	0.00198	0.00129	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Chloromethane	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Cyclohexane	<0.00495		0.00991	0.00495	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,2-Dibromo-3-chloropropane	<0.00248		0.00495	0.00248	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,2-Dibromoethane (EDB)	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Methylcyclohexane	<0.00495		0.00991	0.00495	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,2-Dichlorobenzene	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,3-Dichlorobenzene	<0.00119		0.00198	0.00119	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,4-Dichlorobenzene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Dichlorodifluoromethane	<0.00139		0.00198	0.00139	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,2-Dichloroethane	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,1-Dichloroethane	<0.00129		0.00198	0.00129	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,1-Dichloroethene	<0.00119		0.00198	0.00119	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
trans-1,2-Dichloroethene	<0.00129		0.00198	0.00129	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,1,2-Trifluorotrchloroethane	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
cis-1,2-Dichloroethene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,2-Dichloropropane	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
trans-1,3-Dichloropropene	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
cis-1,3-Dichloropropene	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Ethylbenzene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
2-Hexanone	<0.0248		0.0495	0.0248	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Isopropylbenzene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Methyl Acetate	<0.00495		0.00991	0.00495	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Methyl tert-Butyl Ether	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Methylene Chloride	<0.00495		0.00991	0.00495	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
4-Methyl-2-pentanone	<0.0248		0.0495	0.0248	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Styrene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,1,2,2-Tetrachloroethane	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Tetrachloroethene	<0.00129		0.00198	0.00129	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Toluene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,2,4-Trichlorobenzene	<0.00119		0.00198	0.00119	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,2,3-Trichlorobenzene	<0.00109		0.00198	0.00109	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,1,1-Trichloroethane	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
1,1,2-Trichloroethane	<0.00248		0.00495	0.00248	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Trichloroethene	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Trichlorofluoromethane	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Vinyl chloride	<0.000991		0.00198	0.000991	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00
Xylenes, total	<0.00248		0.00495	0.00248	mg/kg dry	☼	12/08/11 16:30	12/14/11 02:47	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 57 SB-1 (6-10)**

**Lab Sample ID: NVL1567-05**

**Date Collected: 12/08/11 16:30**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 83.7**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	111		70 - 130	12/08/11 16:30	12/14/11 02:47	1.00
Dibromofluoromethane	108		70 - 130	12/08/11 16:30	12/14/11 02:47	1.00
Toluene-d8	98		70 - 130	12/08/11 16:30	12/14/11 02:47	1.00
4-Bromofluorobenzene	103		70 - 130	12/08/11 16:30	12/14/11 02:47	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Acenaphthylene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Anthracene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Benzo (a) anthracene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Benzo (a) pyrene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Benzo (b) fluoranthene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Benzo (g,h,i) perylene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Benzo (k) fluoranthene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
4-Bromophenyl phenyl ether	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Butyl benzyl phthalate	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Carbazole	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
4-Chloro-3-methylphenol	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
4-Chloroaniline	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Bis(2-chloroethoxy)methane	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Bis(2-chloroethyl)ether	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Bis(2-chloroisopropyl)ether	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2-Chloronaphthalene	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2-Chlorophenol	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
4-Chlorophenyl phenyl ether	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Chrysene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Dibenz (a,h) anthracene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Dibenzofuran	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Di-n-butyl phthalate	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
1,4-Dichlorobenzene	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
1,2-Dichlorobenzene	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
1,3-Dichlorobenzene	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
3,3-Dichlorobenzidine	<0.199		0.794	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2,4-Dichlorophenol	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Diethyl phthalate	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2,4-Dimethylphenol	<0.229		0.396	0.229	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Dimethyl phthalate	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
4,6-Dinitro-2-methylphenol	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2,4-Dinitrophenol	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2,6-Dinitrotoluene	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2,4-Dinitrotoluene	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Di-n-octyl phthalate	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Bis(2-ethylhexyl)phthalate	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Fluoranthene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Fluorene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Hexachlorobenzene	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Hexachlorobutadiene	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Hexachlorocyclopentadiene	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Hexachloroethane	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Indeno (1,2,3-cd) pyrene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 57 SB-1 (6-10)**

**Lab Sample ID: NVL1567-05**

**Date Collected: 12/08/11 16:30**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 83.7**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2-Methylnaphthalene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2-Methylphenol	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
3/4-Methylphenol	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Naphthalene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
3-Nitroaniline	<0.199		0.992	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2-Nitroaniline	<0.199		0.992	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
4-Nitroaniline	<0.199		0.992	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Nitrobenzene	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
4-Nitrophenol	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2-Nitrophenol	<0.233		0.396	0.233	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
N-Nitrosodiphenylamine	<0.218		0.396	0.218	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
N-Nitrosodi-n-propylamine	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Pentachlorophenol	<0.199		0.992	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Phenanthrene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Phenol	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
Pyrene	<0.0405		0.0798	0.0405	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
1,2,4-Trichlorobenzene	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2,4,6-Trichlorophenol	<0.199		0.396	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00
2,4,5-Trichlorophenol	<0.199		0.992	0.199	mg/kg dry	☼	12/14/11 07:46	12/14/11 20:42	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	74		18 - 120	12/14/11 07:46	12/14/11 20:42	1.00
2,4,6-Tribromophenol	58		19 - 120	12/14/11 07:46	12/14/11 20:42	1.00
Phenol-d5	61		18 - 120	12/14/11 07:46	12/14/11 20:42	1.00
2-Fluorobiphenyl	61		14 - 120	12/14/11 07:46	12/14/11 20:42	1.00
2-Fluorophenol	60		17 - 120	12/14/11 07:46	12/14/11 20:42	1.00
Nitrobenzene-d5	60		17 - 120	12/14/11 07:46	12/14/11 20:42	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>5110</b>		23.0	11.5	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
Antimony	<5.76		11.5	5.76	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
<b>Arsenic</b>	<b>1.54</b>		1.15	0.576	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
<b>Barium</b>	<b>12.3</b>		2.30	1.15	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
Beryllium	<0.576		1.15	0.576	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
Cadmium	<0.576		1.15	0.576	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
<b>Calcium</b>	<b>154</b>		115	57.6	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
<b>Chromium</b>	<b>9.65</b>		1.15	0.576	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
Cobalt	<1.73		3.45	1.73	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
Copper	<1.15		2.30	1.15	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
<b>Iron</b>	<b>4730</b>		11.5	5.76	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
<b>Lead</b>	<b>3.06</b>		1.15	0.576	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
<b>Magnesium</b>	<b>387</b>		115	57.6	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
<b>Manganese</b>	<b>11.1</b>		3.45	1.73	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
<b>Nickel</b>	<b>1.38 J</b>		2.30	1.15	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
<b>Potassium</b>	<b>239</b>		115	57.6	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
Selenium	<1.15		2.30	1.15	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
Silver	<0.576		1.15	0.576	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
Sodium	<115		230	115	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
Thallium	<1.15		2.30	1.15	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Client Sample ID: Tract 57 SB-1 (6-10)

Lab Sample ID: NVL1567-05

Date Collected: 12/08/11 16:30

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 83.7

### Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	10.5	J	11.5	5.76	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00
Zinc	8.38	J	11.5	5.76	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:45	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.12	0.060	mg/kg dry	☼	12/12/11 13:50	12/14/11 13:57	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	83.7		0.500	0.500	%		12/19/11 10:45	12/20/11 10:33	1.00

## Client Sample ID: Tract 57 TW-1 (8-12)

Lab Sample ID: NVL1567-06

Date Collected: 12/09/11 16:50

Matrix: Ground Water

Date Received: 12/10/11 08:15

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Benzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Bromoform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Chloroform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,1,2-Trifluoroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 16:03	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 57 TW-1 (8-12)**

**Lab Sample ID: NVL1567-06**

**Date Collected: 12/09/11 16:50**

**Matrix: Ground Water**

**Date Received: 12/10/11 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Styrene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Toluene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 16:03	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		12/13/11 10:04	12/13/11 16:03	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	92		70 - 130	12/13/11 10:04	12/13/11 16:03	1.00
Dibromofluoromethane	97		70 - 130	12/13/11 10:04	12/13/11 16:03	1.00
Toluene-d8	102		70 - 130	12/13/11 10:04	12/13/11 16:03	1.00
4-Bromofluorobenzene	96		70 - 130	12/13/11 10:04	12/13/11 16:03	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Acenaphthylene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Anthracene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Benzo (a) anthracene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Benzo (a) pyrene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Benzo (b) fluoranthene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Benzo (g,h,i) perylene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Benzo (k) fluoranthene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
4-Bromophenyl phenyl ether	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Butyl benzyl phthalate	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Carbazole	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
4-Chloro-3-methylphenol	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
4-Chloroaniline	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Bis(2-chloroethoxy)methane	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Bis(2-chloroethyl)ether	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Bis(2-chloroisopropyl)ether	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2-Chloronaphthalene	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2-Chlorophenol	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
4-Chlorophenyl phenyl ether	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Chrysene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Dibenz (a,h) anthracene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Dibenzofuran	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Di-n-butyl phthalate	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
1,4-Dichlorobenzene	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
1,2-Dichlorobenzene	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 57 TW-1 (8-12)**

**Lab Sample ID: NVL1567-06**

**Date Collected: 12/09/11 16:50**

**Matrix: Ground Water**

**Date Received: 12/10/11 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
3,3-Dichlorobenzidine	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2,4-Dichlorophenol	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Diethyl phthalate	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2,4-Dimethylphenol	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Dimethyl phthalate	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
4,6-Dinitro-2-methylphenol	<12.6		24.3	12.6	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2,4-Dinitrophenol	<12.6		24.3	12.6	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2,6-Dinitrotoluene	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2,4-Dinitrotoluene	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Di-n-octyl phthalate	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Bis(2-ethylhexyl)phthalate	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Fluoranthene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Fluorene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Hexachlorobenzene	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Hexachlorobutadiene	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Hexachlorocyclopentadiene	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Hexachloroethane	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Indeno (1,2,3-cd) pyrene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Isophorone	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2-Methylnaphthalene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2-Methylphenol	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Naphthalene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
3/4-Methylphenol	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
3-Nitroaniline	<12.6		24.3	12.6	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2-Nitroaniline	<12.6		24.3	12.6	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
4-Nitroaniline	<12.6		24.3	12.6	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Nitrobenzene	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
4-Nitrophenol	<4.85		24.3	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2-Nitrophenol	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
N-Nitrosodiphenylamine	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
N-Nitrosodi-n-propylamine	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Pentachlorophenol	<12.6		24.3	12.6	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Phenanthrene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Phenol	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
Pyrene	<0.971		1.94	0.971	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
1,2,4-Trichlorobenzene	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2,4,6-Trichlorophenol	<4.85		9.71	4.85	ug/L		12/13/11 09:40	12/13/11 19:28	1.00
2,4,5-Trichlorophenol	<12.6		24.3	12.6	ug/L		12/13/11 09:40	12/13/11 19:28	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	32		13 - 120	12/13/11 09:40	12/13/11 19:28	1.00
2,4,6-Tribromophenol	42		10 - 120	12/13/11 09:40	12/13/11 19:28	1.00
Phenol-d5	17		10 - 120	12/13/11 09:40	12/13/11 19:28	1.00
2-Fluorobiphenyl	37		29 - 120	12/13/11 09:40	12/13/11 19:28	1.00
2-Fluorophenol	29		10 - 120	12/13/11 09:40	12/13/11 19:28	1.00
Nitrobenzene-d5	43		27 - 120	12/13/11 09:40	12/13/11 19:28	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500	P7	0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 05:53	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 57 TW-1 (8-12)**

**Lab Sample ID: NVL1567-06**

**Date Collected: 12/09/11 16:50**

**Matrix: Ground Water**

**Date Received: 12/10/11 08:15**

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
Arsenic	<0.00500	P7	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
<b>Barium</b>	<b>0.0121</b>	<b>P7</b>	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
Cadmium	<0.000600	P7	0.00100	0.000600	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
<b>Calcium</b>	<b>10.9</b>	<b>P7</b>	1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
Cobalt	<0.0100	P7	0.0200	0.0100	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
<b>Iron</b>	<b>0.741</b>	<b>P7</b>	0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
Lead	<0.00250	P7	0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
<b>Magnesium</b>	<b>0.655</b>	<b>P7 J</b>	1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
<b>Manganese</b>	<b>0.0560</b>	<b>P7</b>	0.0150	0.00750	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
Nickel	<0.00500	P7	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
<b>Potassium</b>	<b>1.22</b>	<b>P7</b>	1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
Silver	<0.00250	P7	0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
<b>Sodium</b>	<b>4.31</b>	<b>P7</b>	1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		12/13/11 12:10	12/16/11 05:53	1.00
<b>Zinc</b>	<b>0.0336</b>	<b>P7 J</b>	0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 05:53	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>247</b>		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
Antimony	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Arsenic</b>	<b>0.140</b>		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Barium</b>	<b>0.888</b>		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
Beryllium	<0.0200		0.0400	0.0200	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Cadmium</b>	<b>0.0240</b>		0.0100	0.00600	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Calcium</b>	<b>81.6</b>		10.0	5.00	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Chromium</b>	<b>0.547</b>		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
Cobalt	<0.100		0.200	0.100	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Copper</b>	<b>0.176</b>		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Iron</b>	<b>310</b>		0.500	0.250	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Lead</b>	<b>0.502</b>		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Magnesium</b>	<b>18.3</b>		10.0	5.00	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Manganese</b>	<b>0.839</b>		0.150	0.0750	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Nickel</b>	<b>0.0900</b>	<b>J</b>	0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Potassium</b>	<b>10.2</b>		10.0	5.00	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
Selenium	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
Silver	<0.0250		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Sodium</b>	<b>6.07</b>	<b>B J</b>	10.0	5.00	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
Thallium	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Vanadium</b>	<b>0.566</b>		0.200	0.100	mg/L		12/13/11 12:10	12/16/11 12:45	10.0
<b>Zinc</b>	<b>1.31</b>		0.500	0.250	mg/L		12/13/11 12:10	12/16/11 12:45	10.0

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		12/12/11 13:55	12/13/11 11:01	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Tract 57 TW-1 (8-12)**

**Lab Sample ID: NVL1567-06**

Date Collected: 12/09/11 16:50

Matrix: Ground Water

Date Received: 12/10/11 08:15

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000802		0.000200	0.000100	mg/L		12/14/11 14:42	12/15/11 09:51	1.00

**Client Sample ID: Trip Blank**

**Lab Sample ID: NVL1567-07**

Date Collected: 12/09/11 00:01

Matrix: Water

Date Received: 12/10/11 08:15

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Benzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Bromoform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Chloroform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Styrene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Trip Blank**

**Lab Sample ID: NVL1567-07**

**Date Collected: 12/09/11 00:01**

**Matrix: Water**

**Date Received: 12/10/11 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		12/13/11 10:04	12/13/11 14:13	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	91		70 - 130				12/13/11 10:04	12/13/11 14:13	1.00
Dibromofluoromethane	97		70 - 130				12/13/11 10:04	12/13/11 14:13	1.00
Toluene-d8	101		70 - 130				12/13/11 10:04	12/13/11 14:13	1.00
4-Bromofluorobenzene	98		70 - 130				12/13/11 10:04	12/13/11 14:13	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 11L3157-BLK1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Benzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Bromoform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Chloroform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Styrene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Toluene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3157-BLK1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<1.50		3.00	1.50	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	91		70 - 130				12/13/11 10:04	12/13/11 12:50	1.00
Dibromofluoromethane	97		70 - 130				12/13/11 10:04	12/13/11 12:50	1.00
Toluene-d8	102		70 - 130				12/13/11 10:04	12/13/11 12:50	1.00
4-Bromofluorobenzene	97		70 - 130				12/13/11 10:04	12/13/11 12:50	1.00

**Lab Sample ID: 11L3157-BS1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	298		ug/L		119	54 - 145
Benzene	50.0	47.0		ug/L		94	80 - 121
Bromochloromethane	50.0	46.4		ug/L		93	78 - 129
Bromodichloromethane	50.0	45.2		ug/L		90	75 - 129
Bromoform	50.0	48.6		ug/L		97	46 - 145
Bromomethane	50.0	43.6		ug/L		87	41 - 150
2-Butanone	250	254		ug/L		101	62 - 133
Carbon disulfide	50.0	50.8		ug/L		102	77 - 126
Carbon Tetrachloride	50.0	44.4		ug/L		89	64 - 147
Chlorobenzene	50.0	46.8		ug/L		94	80 - 120
Chlorodibromomethane	50.0	50.9		ug/L		102	69 - 133
Chloroethane	50.0	47.6		ug/L		95	72 - 120
Chloroform	50.0	45.7		ug/L		91	73 - 129
Chloromethane	50.0	36.8		ug/L		74	12 - 150
Cyclohexane	50.0	46.9		ug/L		94	73 - 122
1,2-Dibromo-3-chloropropane	50.0	46.4		ug/L		93	54 - 125
1,2-Dibromoethane (EDB)	50.0	48.2		ug/L		96	80 - 129
Methylcyclohexane	50.0	47.3		ug/L		95	71 - 129
1,2-Dichlorobenzene	50.0	48.5		ug/L		97	80 - 121
1,3-Dichlorobenzene	50.0	48.4		ug/L		97	80 - 122
1,4-Dichlorobenzene	50.0	48.0		ug/L		96	80 - 120
Dichlorodifluoromethane	50.0	34.1		ug/L		68	37 - 127
1,2-Dichloroethane	50.0	42.6		ug/L		85	77 - 121
1,1-Dichloroethane	50.0	42.8		ug/L		86	78 - 125
1,1-Dichloroethene	50.0	51.7		ug/L		103	79 - 124
trans-1,2-Dichloroethene	50.0	49.4		ug/L		99	79 - 126
1,1,2-Trifluoro-trichloroethane	50.0	49.2		ug/L		98	77 - 129
cis-1,2-Dichloroethene	50.0	45.3		ug/L		91	76 - 125
1,2-Dichloropropane	50.0	43.4		ug/L		87	75 - 120
trans-1,3-Dichloropropene	50.0	48.1		ug/L		96	63 - 134
cis-1,3-Dichloropropene	50.0	50.8		ug/L		102	74 - 140
Ethylbenzene	50.0	47.6		ug/L		95	80 - 130
2-Hexanone	250	277		ug/L		111	60 - 142
Isopropylbenzene	50.0	51.2		ug/L		102	80 - 141
Methyl Acetate	50.0	42.8		ug/L		86	64 - 150
Methyl tert-Butyl Ether	50.0	46.6		ug/L		93	72 - 133

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3157-BS1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	50.0	52.5		ug/L		105	79 - 123	
4-Methyl-2-pentanone	250	260		ug/L		104	60 - 137	
Styrene	50.0	49.7		ug/L		99	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	47.9		ug/L		96	69 - 131	
Tetrachloroethene	50.0	45.8		ug/L		92	80 - 126	
Toluene	50.0	47.8		ug/L		96	80 - 126	
1,2,4-Trichlorobenzene	50.0	51.0		ug/L		102	63 - 133	
1,2,3-Trichlorobenzene	50.0	48.4		ug/L		97	62 - 133	
1,1,1-Trichloroethane	50.0	44.1		ug/L		88	78 - 135	
1,1,2-Trichloroethane	50.0	48.9		ug/L		98	80 - 124	
Trichloroethene	50.0	43.8		ug/L		88	80 - 123	
Trichlorofluoromethane	50.0	39.7		ug/L		79	65 - 124	
Vinyl chloride	50.0	38.6		ug/L		77	68 - 120	
Xylenes, total	150	142		ug/L		94	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	90		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	102		70 - 130
4-Bromofluorobenzene	98		70 - 130

**Lab Sample ID: 11L3157-BSD1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Acetone	250	266		ug/L		106	54 - 145	11	21	
Benzene	50.0	48.9		ug/L		98	80 - 121	4	17	
Bromochloromethane	50.0	46.4		ug/L		93	78 - 129	0.06	17	
Bromodichloromethane	50.0	46.0		ug/L		92	75 - 129	2	18	
Bromoform	50.0	48.6		ug/L		97	46 - 145	0.1	16	
Bromomethane	50.0	45.1		ug/L		90	41 - 150	3	50	
2-Butanone	250	240		ug/L		96	62 - 133	6	19	
Carbon disulfide	50.0	53.6		ug/L		107	77 - 126	5	21	
Carbon Tetrachloride	50.0	46.4		ug/L		93	64 - 147	5	19	
Chlorobenzene	50.0	47.9		ug/L		96	80 - 120	2	14	
Chlorodibromomethane	50.0	51.3		ug/L		103	69 - 133	0.8	15	
Chloroethane	50.0	49.4		ug/L		99	72 - 120	4	20	
Chloroform	50.0	46.6		ug/L		93	73 - 129	2	18	
Chloromethane	50.0	38.5		ug/L		77	12 - 150	5	31	
Cyclohexane	50.0	50.0		ug/L		100	73 - 122	6	16	
1,2-Dibromo-3-chloropropane	50.0	46.1		ug/L		92	54 - 125	0.6	24	
1,2-Dibromoethane (EDB)	50.0	48.9		ug/L		98	80 - 129	1	15	
Methylcyclohexane	50.0	49.7		ug/L		99	71 - 129	5	19	
1,2-Dichlorobenzene	50.0	49.7		ug/L		99	80 - 121	2	15	
1,3-Dichlorobenzene	50.0	50.1		ug/L		100	80 - 122	3	15	
1,4-Dichlorobenzene	50.0	49.2		ug/L		98	80 - 120	3	15	
Dichlorodifluoromethane	50.0	35.7		ug/L		71	37 - 127	5	18	
1,2-Dichloroethane	50.0	42.7		ug/L		85	77 - 121	0.2	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3157-BSD1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,1-Dichloroethane	50.0	45.2		ug/L		90	78 - 125	5	17	
1,1-Dichloroethene	50.0	54.0		ug/L		108	79 - 124	4	17	
trans-1,2-Dichloroethene	50.0	51.5		ug/L		103	79 - 126	4	16	
1,1,2-Trifluorotrchloroethane	50.0	52.0		ug/L		104	77 - 129	6	18	
cis-1,2-Dichloroethene	50.0	46.5		ug/L		93	76 - 125	3	17	
1,2-Dichloropropane	50.0	44.1		ug/L		88	75 - 120	2	17	
trans-1,3-Dichloropropene	50.0	48.7		ug/L		97	63 - 134	1	14	
cis-1,3-Dichloropropene	50.0	51.2		ug/L		102	74 - 140	0.9	15	
Ethylbenzene	50.0	49.1		ug/L		98	80 - 130	3	15	
2-Hexanone	250	262		ug/L		105	60 - 142	5	15	
Isopropylbenzene	50.0	53.1		ug/L		106	80 - 141	4	16	
Methyl Acetate	50.0	41.5		ug/L		83	64 - 150	3	31	
Methyl tert-Butyl Ether	50.0	46.1		ug/L		92	72 - 133	1	16	
Methylene Chloride	50.0	54.0		ug/L		108	79 - 123	3	17	
4-Methyl-2-pentanone	250	253		ug/L		101	60 - 137	3	17	
Styrene	50.0	50.8		ug/L		102	80 - 127	2	24	
1,1,2,2-Tetrachloroethane	50.0	48.0		ug/L		96	69 - 131	0.2	20	
Tetrachloroethene	50.0	47.3		ug/L		95	80 - 126	3	16	
Toluene	50.0	49.2		ug/L		98	80 - 126	3	15	
1,2,4-Trichlorobenzene	50.0	52.4		ug/L		105	63 - 133	3	19	
1,2,3-Trichlorobenzene	50.0	50.0		ug/L		100	62 - 133	3	25	
1,1,1-Trichloroethane	50.0	46.1		ug/L		92	78 - 135	5	17	
1,1,2-Trichloroethane	50.0	48.9		ug/L		98	80 - 124	0.04	15	
Trichloroethene	50.0	45.6		ug/L		91	80 - 123	4	17	
Trichlorofluoromethane	50.0	41.8		ug/L		84	65 - 124	5	18	
Vinyl chloride	50.0	40.3		ug/L		81	68 - 120	4	17	
Xylenes, total	150	146		ug/L		97	80 - 132	3	15	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	91		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8	102		70 - 130
4-Bromofluorobenzene	98		70 - 130

**Lab Sample ID: 11L3157-MS1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Tract 57 TW-1 (8-12)**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	<25.0		250	276		ug/L		110	45 - 141	
Benzene	<0.500		50.0	53.5		ug/L		107	75 - 133	
Bromochloromethane	<0.500		50.0	49.8		ug/L		100	67 - 139	
Bromodichloromethane	<0.500		50.0	50.3		ug/L		101	70 - 140	
Bromoform	<0.500		50.0	53.1		ug/L		106	42 - 147	
Bromomethane	<0.500		50.0	46.9		ug/L		94	16 - 163	
2-Butanone	<25.0		250	258		ug/L		103	50 - 138	
Carbon disulfide	<0.500		50.0	55.6		ug/L		111	48 - 152	
Carbon Tetrachloride	<0.500		50.0	52.3		ug/L		105	62 - 164	
Chlorobenzene	<0.500		50.0	52.4		ug/L		105	80 - 129	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L3157-MS1

Matrix: Water

Analysis Batch: U021853

Client Sample ID: Tract 57 TW-1 (8-12)

Prep Type: Total

Prep Batch: 11L3157\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Chlorodibromomethane	<0.500		50.0	55.7		ug/L		111	66 - 140
Chloroethane	<0.500		50.0	51.2		ug/L		102	58 - 137
Chloroform	<0.500		50.0	51.6		ug/L		103	66 - 138
Chloromethane	<0.500		50.0	33.2		ug/L		66	10 - 169
Cyclohexane	<2.50		50.0	55.4		ug/L		111	58 - 144
1,2-Dibromo-3-chloropropane	<5.00		50.0	49.0		ug/L		98	52 - 126
1,2-Dibromoethane (EDB)	<0.500		50.0	52.0		ug/L		104	75 - 137
Methylcyclohexane	<2.50		50.0	55.4		ug/L		111	59 - 151
1,2-Dichlorobenzene	<0.500		50.0	53.5		ug/L		107	79 - 128
1,3-Dichlorobenzene	<0.500		50.0	54.0		ug/L		108	77 - 131
1,4-Dichlorobenzene	<0.500		50.0	53.7		ug/L		107	78 - 126
Dichlorodifluoromethane	<0.600		50.0	23.0		ug/L		46	40 - 127
1,2-Dichloroethane	<0.500		50.0	46.2		ug/L		92	64 - 136
1,1-Dichloroethane	<0.500		50.0	52.0		ug/L		104	71 - 139
1,1-Dichloroethene	<0.500		50.0	60.2		ug/L		120	70 - 142
trans-1,2-Dichloroethene	<0.500		50.0	56.2		ug/L		112	66 - 143
1,1,2-Trifluoroethane	<0.500		50.0	59.2		ug/L		118	72 - 148
cis-1,2-Dichloroethene	<0.500		50.0	51.6		ug/L		103	68 - 138
1,2-Dichloropropane	<0.500		50.0	48.1		ug/L		96	67 - 131
trans-1,3-Dichloropropene	<0.500		50.0	52.1		ug/L		104	59 - 135
cis-1,3-Dichloropropene	<0.500		50.0	55.3		ug/L		111	71 - 141
Ethylbenzene	<0.500		50.0	54.0		ug/L		108	79 - 139
2-Hexanone	<5.00		250	285		ug/L		114	50 - 150
Isopropylbenzene	<0.500		50.0	58.6		ug/L		117	80 - 153
Methyl Acetate	<5.00		50.0	43.3		ug/L		87	30 - 165
Methyl tert-Butyl Ether	<0.500		50.0	49.8		ug/L		100	66 - 141
Methylene Chloride	<2.50		50.0	57.1		ug/L		114	64 - 139
4-Methyl-2-pentanone	<5.00		250	276		ug/L		110	50 - 147
Styrene	<0.500		50.0	55.1		ug/L		110	61 - 148
1,1,1,2-Tetrachloroethane	<0.500		50.0	51.6		ug/L		103	56 - 143
Tetrachloroethene	<0.500		50.0	52.9		ug/L		106	72 - 145
Toluene	<0.500		50.0	54.2		ug/L		108	75 - 136
1,2,4-Trichlorobenzene	<0.500		50.0	53.5		ug/L		107	60 - 136
1,2,3-Trichlorobenzene	<0.500		50.0	49.0		ug/L		98	55 - 138
1,1,1-Trichloroethane	<0.500		50.0	51.4		ug/L		103	76 - 149
1,1,2-Trichloroethane	<0.500		50.0	53.1		ug/L		106	74 - 134
Trichloroethene	<0.500		50.0	50.3		ug/L		101	73 - 144
Trichlorofluoromethane	<0.500		50.0	42.6		ug/L		85	58 - 139
Vinyl chloride	<0.500		50.0	37.4		ug/L		75	56 - 129
Xylenes, total	<1.50		150	160		ug/L		107	74 - 141

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	91		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	99		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3157-MSD1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Tract 57 TW-1 (8-12)**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
	Result								Limits	RPD		
Acetone	<25.0		250	273		ug/L		109	45 - 141	1		21
Benzene	<0.500		50.0	51.9		ug/L		104	75 - 133	3		17
Bromochloromethane	<0.500		50.0	48.3		ug/L		97	67 - 139	3		17
Bromodichloromethane	<0.500		50.0	48.9		ug/L		98	70 - 140	3		18
Bromoform	<0.500		50.0	51.2		ug/L		102	42 - 147	4		16
Bromomethane	<0.500		50.0	45.5		ug/L		91	16 - 163	3		50
2-Butanone	<25.0		250	250		ug/L		100	50 - 138	3		19
Carbon disulfide	<0.500		50.0	54.7		ug/L		109	48 - 152	2		21
Carbon Tetrachloride	<0.500		50.0	50.9		ug/L		102	62 - 164	3		19
Chlorobenzene	<0.500		50.0	51.1		ug/L		102	80 - 129	2		14
Chlorodibromomethane	<0.500		50.0	53.6		ug/L		107	66 - 140	4		15
Chloroethane	<0.500		50.0	47.7		ug/L		95	58 - 137	7		20
Chloroform	<0.500		50.0	50.3		ug/L		101	66 - 138	3		18
Chloromethane	<0.500		50.0	31.8		ug/L		64	10 - 169	4		31
Cyclohexane	<2.50		50.0	53.9		ug/L		108	58 - 144	3		16
1,2-Dibromo-3-chloropropane	<5.00		50.0	47.5		ug/L		95	52 - 126	3		24
1,2-Dibromoethane (EDB)	<0.500		50.0	50.2		ug/L		100	75 - 137	4		15
Methylcyclohexane	<2.50		50.0	54.6		ug/L		109	59 - 151	1		19
1,2-Dichlorobenzene	<0.500		50.0	51.9		ug/L		104	79 - 128	3		15
1,3-Dichlorobenzene	<0.500		50.0	52.3		ug/L		105	77 - 131	3		15
1,4-Dichlorobenzene	<0.500		50.0	51.7		ug/L		103	78 - 126	4		15
Dichlorodifluoromethane	<0.600		50.0	22.2		ug/L		44	40 - 127	3		18
1,2-Dichloroethane	<0.500		50.0	45.0		ug/L		90	64 - 136	3		17
1,1-Dichloroethane	<0.500		50.0	50.8		ug/L		102	71 - 139	2		17
1,1-Dichloroethene	<0.500		50.0	58.9		ug/L		118	70 - 142	2		17
trans-1,2-Dichloroethene	<0.500		50.0	55.1		ug/L		110	66 - 143	2		16
1,1,2-Trifluorotrchloroethane	<0.500		50.0	57.6		ug/L		115	72 - 148	3		18
cis-1,2-Dichloroethene	<0.500		50.0	50.2		ug/L		100	68 - 138	3		17
1,2-Dichloropropane	<0.500		50.0	47.2		ug/L		94	67 - 131	2		17
trans-1,3-Dichloropropene	<0.500		50.0	49.9		ug/L		100	59 - 135	4		14
cis-1,3-Dichloropropene	<0.500		50.0	53.3		ug/L		107	71 - 141	4		15
Ethylbenzene	<0.500		50.0	52.4		ug/L		105	79 - 139	3		15
2-Hexanone	<5.00		250	275		ug/L		110	50 - 150	3		15
Isopropylbenzene	<0.500		50.0	57.1		ug/L		114	80 - 153	3		16
Methyl Acetate	<5.00		50.0	42.2		ug/L		84	30 - 165	3		31
Methyl tert-Butyl Ether	<0.500		50.0	48.5		ug/L		97	66 - 141	3		16
Methylene Chloride	<2.50		50.0	55.4		ug/L		111	64 - 139	3		17
4-Methyl-2-pentanone	<5.00		250	264		ug/L		106	50 - 147	4		17
Styrene	<0.500		50.0	53.2		ug/L		106	61 - 148	3		24
1,1,2,2-Tetrachloroethane	<0.500		50.0	49.0		ug/L		98	56 - 143	5		20
Tetrachloroethene	<0.500		50.0	51.0		ug/L		102	72 - 145	3		16
Toluene	<0.500		50.0	52.5		ug/L		105	75 - 136	3		15
1,2,4-Trichlorobenzene	<0.500		50.0	54.1		ug/L		108	60 - 136	1		19
1,2,3-Trichlorobenzene	<0.500		50.0	50.3		ug/L		101	55 - 138	3		25
1,1,1-Trichloroethane	<0.500		50.0	50.0		ug/L		100	76 - 149	3		17
1,1,2-Trichloroethane	<0.500		50.0	51.8		ug/L		104	74 - 134	3		15
Trichloroethene	<0.500		50.0	48.8		ug/L		98	73 - 144	3		17
Trichlorofluoromethane	<0.500		50.0	41.5		ug/L		83	58 - 139	3		18
Vinyl chloride	<0.500		50.0	36.0		ug/L		72	56 - 129	4		17

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3157-MSD1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Tract 57 TW-1 (8-12)**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	<1.50		150	155		ug/L		103	74 - 141	3	15

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
1,2-Dichloroethane-d4	91		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	102		70 - 130
4-Bromofluorobenzene	97		70 - 130

**Lab Sample ID: 11L3171-BLK1**

**Matrix: Soil**

**Analysis Batch: U021987**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L3171\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,1,2-Trifluoroethane	<0.00110		0.00200	0.00110	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3171-BLK1**  
**Matrix: Soil**  
**Analysis Batch: U021987**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11L3171\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.00907	J	0.0100	0.00500	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		12/13/11 11:36	12/13/11 23:49	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		70 - 130	12/13/11 11:36	12/13/11 23:49	1.00
Dibromofluoromethane	110		70 - 130	12/13/11 11:36	12/13/11 23:49	1.00
Toluene-d8	96		70 - 130	12/13/11 11:36	12/13/11 23:49	1.00
4-Bromofluorobenzene	99		70 - 130	12/13/11 11:36	12/13/11 23:49	1.00

**Lab Sample ID: 11L3171-BLK2**  
**Matrix: Soil**  
**Analysis Batch: U021987**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11L3171\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3171-BLK2**

**Matrix: Soil**

**Analysis Batch: U021987**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L3171\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,1,2-Trifluorotrchloroethane	<0.0550		0.100	0.0550	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Methyl Acetate	<0.250		0.500	0.250	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		12/13/11 11:36	12/14/11 00:19	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	92		70 - 130	12/13/11 11:36	12/14/11 00:19	50.0
Dibromofluoromethane	107		70 - 130	12/13/11 11:36	12/14/11 00:19	50.0
Toluene-d8	96		70 - 130	12/13/11 11:36	12/14/11 00:19	50.0
4-Bromofluorobenzene	99		70 - 130	12/13/11 11:36	12/14/11 00:19	50.0

**Lab Sample ID: 11L3171-BS1**

**Matrix: Soil**

**Analysis Batch: U021987**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L3171\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	331		ug/kg		132	51 - 149
Benzene	50.0	62.2		ug/kg		124	75 - 127
Bromochloromethane	50.0	57.2		ug/kg		114	70 - 132
Bromodichloromethane	50.0	61.2		ug/kg		122	68 - 135
Bromoform	50.0	55.2		ug/kg		110	36 - 150
Bromomethane	50.0	68.7		ug/kg		137	43 - 142
2-Butanone	250	304		ug/kg		121	61 - 132
Carbon disulfide	50.0	61.8		ug/kg		124	74 - 135
Carbon Tetrachloride	50.0	66.3		ug/kg		133	70 - 141
Chlorobenzene	50.0	59.9		ug/kg		120	84 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3171-BS1**

**Matrix: Soil**

**Analysis Batch: U021987**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L3171\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Chlorodibromomethane	50.0	55.8		ug/kg		112	66 - 134
Chloroethane	50.0	54.9		ug/kg		110	53 - 144
Chloroform	50.0	66.7	L1	ug/kg		133	76 - 130
Chloromethane	50.0	51.2		ug/kg		102	23 - 150
Cyclohexane	50.0	66.1		ug/kg		132	70 - 133
1,2-Dibromo-3-chloropropane	50.0	57.2		ug/kg		114	49 - 142
1,2-Dibromoethane (EDB)	50.0	61.0		ug/kg		122	80 - 135
Methylcyclohexane	50.0	55.6		ug/kg		111	69 - 140
1,2-Dichlorobenzene	50.0	60.2		ug/kg		120	80 - 134
1,3-Dichlorobenzene	50.0	59.2		ug/kg		118	79 - 137
1,4-Dichlorobenzene	50.0	59.6		ug/kg		119	77 - 139
Dichlorodifluoromethane	50.0	44.5		ug/kg		89	12 - 144
1,2-Dichloroethane	50.0	61.8		ug/kg		124	65 - 134
1,1-Dichloroethane	50.0	59.5		ug/kg		119	75 - 124
1,1-Dichloroethene	50.0	57.8		ug/kg		116	75 - 131
trans-1,2-Dichloroethene	50.0	62.6		ug/kg		125	76 - 128
1,1,2-Trifluoro-trichloroethane	50.0	62.2		ug/kg		124	67 - 136
cis-1,2-Dichloroethene	50.0	61.3		ug/kg		123	75 - 125
1,2-Dichloropropane	50.0	51.7		ug/kg		103	69 - 120
trans-1,3-Dichloropropene	50.0	56.7		ug/kg		113	62 - 139
cis-1,3-Dichloropropene	50.0	66.4		ug/kg		133	73 - 148
Ethylbenzene	50.0	60.2		ug/kg		120	80 - 134
2-Hexanone	250	321		ug/kg		128	57 - 148
Isopropylbenzene	50.0	66.2		ug/kg		132	80 - 150
Methyl Acetate	50.0	61.7		ug/kg		123	11 - 170
Methyl tert-Butyl Ether	50.0	63.6		ug/kg		127	70 - 136
Methylene Chloride	50.0	66.5	B	ug/kg		133	68 - 144
4-Methyl-2-pentanone	250	318		ug/kg		127	59 - 138
Styrene	50.0	63.6		ug/kg		127	82 - 137
1,1,2,2-Tetrachloroethane	50.0	60.4		ug/kg		121	66 - 134
Tetrachloroethene	50.0	60.6		ug/kg		121	78 - 140
Toluene	50.0	59.8		ug/kg		120	80 - 132
1,2,4-Trichlorobenzene	50.0	60.9		ug/kg		122	62 - 150
1,2,3-Trichlorobenzene	50.0	60.6		ug/kg		121	70 - 150
1,1,1-Trichloroethane	50.0	64.7		ug/kg		129	72 - 140
1,1,2-Trichloroethane	50.0	61.5		ug/kg		123	78 - 128
Trichloroethene	50.0	60.5		ug/kg		121	77 - 127
Trichlorofluoromethane	50.0	55.8		ug/kg		112	50 - 140
Vinyl chloride	50.0	54.5		ug/kg		109	47 - 136
Xylenes, total	150	178		ug/kg		119	80 - 137

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	104		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8	100		70 - 130
4-Bromofluorobenzene	99		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3171-MS1**

**Matrix: Soil**

**Analysis Batch: U021987**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L3171\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result		Added	Result	Qualifier				
Acetone	0.103		0.269	0.368		mg/kg dry	☼	98	19 - 175
Benzene	<0.00126		0.0539	0.0540		mg/kg dry	☼	100	31 - 143
Bromochloromethane	<0.00137		0.0539	0.0522		mg/kg dry	☼	97	31 - 141
Bromodichloromethane	<0.00114		0.0539	0.0555		mg/kg dry	☼	103	19 - 148
Bromoform	<0.00114		0.0539	0.0546		mg/kg dry	☼	101	10 - 165
Bromomethane	<0.00137		0.0539	0.0702		mg/kg dry	☼	130	10 - 164
2-Butanone	<0.0286		0.269	0.254		mg/kg dry	☼	94	18 - 153
Carbon disulfide	<0.00411		0.0539	0.0530		mg/kg dry	☼	98	32 - 144
Carbon Tetrachloride	<0.00114		0.0539	0.0571		mg/kg dry	☼	106	31 - 149
Chlorobenzene	<0.00126		0.0539	0.0527		mg/kg dry	☼	98	25 - 152
Chlorodibromomethane	<0.00114		0.0539	0.0538		mg/kg dry	☼	100	14 - 146
Chloroethane	<0.00286		0.0539	0.0490		mg/kg dry	☼	91	10 - 151
Chloroform	<0.00149		0.0539	0.0522		mg/kg dry	☼	97	34 - 160
Chloromethane	<0.00126		0.0539	0.0459		mg/kg dry	☼	85	10 - 156
Cyclohexane	<0.00571		0.0539	0.0490		mg/kg dry	☼	91	32 - 158
1,2-Dibromo-3-chloropropane	<0.00286		0.0539	0.0552		mg/kg dry	☼	102	10 - 147
1,2-Dibromoethane (EDB)	<0.00114		0.0539	0.0582		mg/kg dry	☼	108	18 - 156
Methylcyclohexane	<0.00571		0.0539	0.0503		mg/kg dry	☼	93	29 - 167
1,2-Dichlorobenzene	<0.00114		0.0539	0.0493		mg/kg dry	☼	92	10 - 160
1,3-Dichlorobenzene	<0.00137		0.0539	0.0475		mg/kg dry	☼	88	10 - 162
1,4-Dichlorobenzene	<0.00126		0.0539	0.0464		mg/kg dry	☼	86	11 - 159
Dichlorodifluoromethane	<0.00160		0.0539	0.0238		mg/kg dry	☼	44	10 - 143
1,2-Dichloroethane	<0.00126		0.0539	0.0553		mg/kg dry	☼	103	28 - 138
1,1-Dichloroethane	<0.00149		0.0539	0.0521		mg/kg dry	☼	97	42 - 136
1,1-Dichloroethene	<0.00137		0.0539	0.0507		mg/kg dry	☼	94	41 - 143
trans-1,2-Dichloroethene	<0.00149		0.0539	0.0528		mg/kg dry	☼	98	39 - 140
1,1,2-Trifluorotrchloroethane	<0.00126		0.0539	0.0555		mg/kg dry	☼	103	42 - 147
cis-1,2-Dichloroethene	<0.00126		0.0539	0.0470		mg/kg dry	☼	87	36 - 139
1,2-Dichloropropane	<0.00114		0.0539	0.0543		mg/kg dry	☼	101	20 - 146
trans-1,3-Dichloropropene	<0.00114		0.0539	0.0522		mg/kg dry	☼	97	10 - 157
cis-1,3-Dichloropropene	<0.00114		0.0539	0.0607		mg/kg dry	☼	113	15 - 166
Ethylbenzene	<0.00126		0.0539	0.0526		mg/kg dry	☼	98	23 - 161
2-Hexanone	<0.0286		0.269	0.303		mg/kg dry	☼	112	10 - 169
Isopropylbenzene	<0.00126		0.0539	0.0569		mg/kg dry	☼	106	23 - 181
Methyl Acetate	<0.00571		0.0539	0.0306		mg/kg dry	☼	57	10 - 200
Methyl tert-Butyl Ether	<0.00114		0.0539	0.0586		mg/kg dry	☼	109	28 - 141
Methylene Chloride	0.0142		0.0539	0.0666	B	mg/kg dry	☼	97	24 - 182
4-Methyl-2-pentanone	<0.0286		0.269	0.306		mg/kg dry	☼	114	10 - 168
Styrene	<0.00126		0.0539	0.0510		mg/kg dry	☼	95	10 - 165
1,1,2,2-Tetrachloroethane	<0.00114		0.0539	0.0598		mg/kg dry	☼	111	10 - 162
Tetrachloroethene	<0.00149		0.0539	0.0516		mg/kg dry	☼	96	33 - 161
Toluene	<0.00126		0.0539	0.0531		mg/kg dry	☼	99	30 - 155
1,2,4-Trichlorobenzene	<0.00137		0.0539	0.0439		mg/kg dry	☼	82	10 - 167
1,2,3-Trichlorobenzene	<0.00126		0.0539	0.0441		mg/kg dry	☼	82	10 - 157
1,1,1-Trichloroethane	<0.00114		0.0539	0.0517		mg/kg dry	☼	96	35 - 149
1,1,2-Trichloroethane	<0.00286		0.0539	0.0592		mg/kg dry	☼	110	19 - 157
Trichloroethene	<0.00114		0.0539	0.0521		mg/kg dry	☼	97	27 - 153
Trichlorofluoromethane	<0.00114		0.0539	0.0493		mg/kg dry	☼	92	25 - 137
Vinyl chloride	<0.00114		0.0539	0.0472		mg/kg dry	☼	88	20 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3171-MS1**

**Matrix: Soil**

**Analysis Batch: U021987**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L3171\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Xylenes, total	<0.00286		0.162	0.153		mg/kg dry	*	94	25 - 162	
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1,2-Dichloroethane-d4	97		70 - 130							
Dibromofluoromethane	93		70 - 130							
Toluene-d8	100		70 - 130							
4-Bromofluorobenzene	97		70 - 130							

**Lab Sample ID: 11L3171-MSD1**

**Matrix: Soil**

**Analysis Batch: U021987**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L3171\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	0.103		0.284	0.427		mg/kg dry	*	114	19 - 175	15	50	
Benzene	<0.00126		0.0567	0.0590		mg/kg dry	*	104	31 - 143	9	50	
Bromochloromethane	<0.00137		0.0567	0.0625		mg/kg dry	*	110	31 - 141	18	50	
Bromodichloromethane	<0.00114		0.0567	0.0688		mg/kg dry	*	121	19 - 148	21	50	
Bromoform	<0.00114		0.0567	0.0598		mg/kg dry	*	105	10 - 165	9	50	
Bromomethane	<0.00137		0.0567	0.0717		mg/kg dry	*	126	10 - 164	2	50	
2-Butanone	<0.0286		0.284	0.341		mg/kg dry	*	120	18 - 153	29	50	
Carbon disulfide	<0.00411		0.0567	0.0623		mg/kg dry	*	110	32 - 144	16	50	
Carbon Tetrachloride	<0.00114		0.0567	0.0639		mg/kg dry	*	113	31 - 149	11	50	
Chlorobenzene	<0.00126		0.0567	0.0576		mg/kg dry	*	102	25 - 152	9	50	
Chlorodibromomethane	<0.00114		0.0567	0.0588		mg/kg dry	*	104	14 - 146	9	50	
Chloroethane	<0.00286		0.0567	0.0561		mg/kg dry	*	99	10 - 151	14	50	
Chloroform	<0.00149		0.0567	0.0633		mg/kg dry	*	112	34 - 160	19	49	
Chloromethane	<0.00126		0.0567	0.0516		mg/kg dry	*	91	10 - 156	12	50	
Cyclohexane	<0.00571		0.0567	0.0579		mg/kg dry	*	102	32 - 158	17	50	
1,2-Dibromo-3-chloropropane	<0.00286		0.0567	0.0581		mg/kg dry	*	102	10 - 147	5	50	
1,2-Dibromoethane (EDB)	<0.00114		0.0567	0.0649		mg/kg dry	*	114	18 - 156	11	50	
Methylcyclohexane	<0.00571		0.0567	0.0619		mg/kg dry	*	109	29 - 167	21	50	
1,2-Dichlorobenzene	<0.00114		0.0567	0.0539		mg/kg dry	*	95	10 - 160	9	50	
1,3-Dichlorobenzene	<0.00137		0.0567	0.0529		mg/kg dry	*	93	10 - 162	11	50	
1,4-Dichlorobenzene	<0.00126		0.0567	0.0531		mg/kg dry	*	94	11 - 159	14	50	
Dichlorodifluoromethane	<0.00160		0.0567	0.0274		mg/kg dry	*	48	10 - 143	14	50	
1,2-Dichloroethane	<0.00126		0.0567	0.0609		mg/kg dry	*	107	28 - 138	10	50	
1,1-Dichloroethane	<0.00149		0.0567	0.0644		mg/kg dry	*	114	42 - 136	21	50	
1,1-Dichloroethene	<0.00137		0.0567	0.0600		mg/kg dry	*	106	41 - 143	17	50	
trans-1,2-Dichloroethene	<0.00149		0.0567	0.0629		mg/kg dry	*	111	39 - 140	17	50	
1,1,1-Trifluorotrchloroethane	<0.00126		0.0567	0.0659		mg/kg dry	*	116	42 - 147	17	50	
cis-1,2-Dichloroethene	<0.00126		0.0567	0.0645		mg/kg dry	*	114	36 - 139	31	50	
1,2-Dichloropropane	<0.00114		0.0567	0.0684		mg/kg dry	*	121	20 - 146	23	50	
trans-1,3-Dichloropropene	<0.00114		0.0567	0.0583		mg/kg dry	*	103	10 - 157	11	50	
cis-1,3-Dichloropropene	<0.00114		0.0567	0.0667		mg/kg dry	*	118	15 - 166	9	50	
Ethylbenzene	<0.00126		0.0567	0.0579		mg/kg dry	*	102	23 - 161	10	50	
2-Hexanone	<0.0286		0.284	0.346		mg/kg dry	*	122	10 - 169	13	50	
Isopropylbenzene	<0.00126		0.0567	0.0615		mg/kg dry	*	109	23 - 181	8	50	
Methyl Acetate	<0.00571		0.0567	0.0338		mg/kg dry	*	60	10 - 200	10	50	
Methyl tert-Butyl Ether	<0.00114		0.0567	0.0718		mg/kg dry	*	127	28 - 141	20	50	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L3171-MSD1

Matrix: Soil

Analysis Batch: U021987

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11L3171\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Methylene Chloride	0.0142		0.0567	0.0750	B	mg/kg dry	*	107	24 - 182	12	50
4-Methyl-2-pentanone	<0.0286		0.284	0.343		mg/kg dry	*	121	10 - 168	11	50
Styrene	<0.00126		0.0567	0.0566		mg/kg dry	*	100	10 - 165	10	50
1,1,2,2-Tetrachloroethane	<0.00114		0.0567	0.0651		mg/kg dry	*	115	10 - 162	9	50
Tetrachloroethene	<0.00149		0.0567	0.0580		mg/kg dry	*	102	33 - 161	12	50
Toluene	<0.00126		0.0567	0.0579		mg/kg dry	*	102	30 - 155	9	50
1,2,4-Trichlorobenzene	<0.00137		0.0567	0.0490		mg/kg dry	*	86	10 - 167	11	50
1,2,3-Trichlorobenzene	<0.00126		0.0567	0.0499		mg/kg dry	*	88	10 - 157	12	50
1,1,1-Trichloroethane	<0.00114		0.0567	0.0611		mg/kg dry	*	108	35 - 149	17	50
1,1,2-Trichloroethane	<0.00286		0.0567	0.0642		mg/kg dry	*	113	19 - 157	8	50
Trichloroethene	<0.00114		0.0567	0.0603		mg/kg dry	*	106	27 - 153	15	50
Trichlorofluoromethane	<0.00114		0.0567	0.0559		mg/kg dry	*	99	25 - 137	13	50
Vinyl chloride	<0.00114		0.0567	0.0555		mg/kg dry	*	98	20 - 141	16	50
Xylenes, total	<0.00286		0.170	0.169		mg/kg dry	*	99	25 - 162	10	50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
1,2-Dichloroethane-d4	97		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	94		70 - 130

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

Lab Sample ID: 11L2806-BLK1

Matrix: Water

Analysis Batch: 11L2806

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2806\_P

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Anthracene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Carbazole	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Chrysene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11L2806-BLK1

Matrix: Water

Analysis Batch: 11L2806

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2806\_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Fluorene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Isophorone	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Phenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Pyrene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	83		13 - 120	12/13/11 09:40	12/13/11 16:38	1.00
2,4,6-Tribromophenol	63		10 - 120	12/13/11 09:40	12/13/11 16:38	1.00
Phenol-d5	21		10 - 120	12/13/11 09:40	12/13/11 16:38	1.00
2-Fluorobiphenyl	62		29 - 120	12/13/11 09:40	12/13/11 16:38	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2806-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2806**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11L2806\_P**

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol	37		10 - 120	12/13/11 09:40	12/13/11 16:38	1.00
Nitrobenzene-d5	62		27 - 120	12/13/11 09:40	12/13/11 16:38	1.00

**Lab Sample ID: 11L2806-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2806**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L2806\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Acenaphthene	50.0	39.6	MNR1	ug/L		79		46 - 120
Acenaphthylene	50.0	37.6	MNR1	ug/L		75		48 - 120
Anthracene	50.0	46.6	MNR1	ug/L		93		58 - 130
Benzo (a) anthracene	50.0	45.4	MNR1	ug/L		91		57 - 120
Benzo (a) pyrene	50.0	45.8	MNR1	ug/L		92		57 - 124
Benzo (b) fluoranthene	50.0	38.9	MNR1	ug/L		78		51 - 125
Benzo (g,h,i) perylene	50.0	46.2	MNR1	ug/L		92		51 - 123
Benzo (k) fluoranthene	50.0	43.3	MNR1	ug/L		87		51 - 120
4-Bromophenyl phenyl ether	50.0	46.0	MNR1	ug/L		92		47 - 127
Butyl benzyl phthalate	50.0	42.6	MNR1	ug/L		85		51 - 146
Carbazole	50.0	48.0	MNR1	ug/L		96		54 - 123
4-Chloro-3-methylphenol	50.0	40.2	MNR1	ug/L		80		44 - 120
4-Chloroaniline	50.0	42.0	MNR1	ug/L		84		44 - 120
Bis(2-chloroethoxy)methane	50.0	41.2	MNR1	ug/L		82		44 - 120
Bis(2-chloroethyl)ether	50.0	40.5	MNR1	ug/L		81		47 - 120
Bis(2-chloroisopropyl)ether	50.0	39.6	MNR1	ug/L		79		44 - 120
2-Chloronaphthalene	50.0	32.2	MNR1	ug/L		64		39 - 120
2-Chlorophenol	50.0	39.2	MNR1	ug/L		78		40 - 120
4-Chlorophenyl phenyl ether	50.0	40.8	MNR1	ug/L		82		50 - 120
Chrysene	50.0	43.6	MNR1	ug/L		87		55 - 120
Dibenz (a,h) anthracene	50.0	42.9	MNR1	ug/L		86		50 - 125
Dibenzofuran	50.0	43.9	MNR1	ug/L		88		50 - 120
Di-n-butyl phthalate	50.0	45.7	MNR1	ug/L		91		54 - 140
1,4-Dichlorobenzene	50.0	25.1	MNR1	ug/L		50		31 - 120
1,2-Dichlorobenzene	50.0	25.4	MNR1	ug/L		51		32 - 120
1,3-Dichlorobenzene	50.0	25.3	MNR1	ug/L		51		32 - 120
3,3-Dichlorobenzidine	50.0	46.4	MNR1	ug/L		93		46 - 129
2,4-Dichlorophenol	50.0	38.8	MNR1	ug/L		78		38 - 120
Diethyl phthalate	50.0	42.1	MNR1	ug/L		84		54 - 128
2,4-Dimethylphenol	50.0	43.4	MNR1	ug/L		87		21 - 126
Dimethyl phthalate	50.0	43.1	MNR1	ug/L		86		53 - 127
4,6-Dinitro-2-methylphenol	50.0	48.8	MNR1	ug/L		98		19 - 150
2,4-Dinitrophenol	50.0	43.9	MNR1	ug/L		88		20 - 150
2,6-Dinitrotoluene	50.0	38.4	MNR1	ug/L		77		54 - 128
2,4-Dinitrotoluene	50.0	38.2	MNR1	ug/L		76		46 - 132
Di-n-octyl phthalate	50.0	35.7	MNR1	ug/L		71		50 - 142
Bis(2-ethylhexyl)phthalate	50.0	40.3	MNR1	ug/L		81		47 - 138
Fluoranthene	50.0	49.8	MNR1	ug/L		100		56 - 120
Fluorene	50.0	43.9	MNR1	ug/L		88		52 - 120
Hexachlorobenzene	50.0	45.2	MNR1	ug/L		90		48 - 131
Hexachlorobutadiene	50.0	31.2	MNR1	ug/L		62		28 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2806-BS1**

**Matrix: Water**

**Analysis Batch: 11L2806**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2806\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Hexachlorocyclopentadiene	50.0	18.8	MNR1	ug/L		38	17 - 120	
Hexachloroethane	50.0	27.6	MNR1	ug/L		55	30 - 120	
Indeno (1,2,3-cd) pyrene	50.0	41.1	MNR1	ug/L		82	54 - 125	
Isophorone	50.0	37.8	MNR1	ug/L		76	47 - 120	
2-Methylnaphthalene	50.0	35.3	MNR1	ug/L		71	31 - 120	
2-Methylphenol	50.0	30.7	MNR1	ug/L		61	38 - 120	
Naphthalene	50.0	40.1	MNR1	ug/L		80	37 - 120	
3/4-Methylphenol	50.0	25.6	MNR1	ug/L		51	33 - 120	
3-Nitroaniline	50.0	45.6	MNR1	ug/L		91	54 - 121	
2-Nitroaniline	50.0	43.5	MNR1	ug/L		87	46 - 131	
4-Nitroaniline	50.0	43.8	MNR1	ug/L		88	55 - 123	
Nitrobenzene	50.0	34.1	MNR1	ug/L		68	36 - 120	
4-Nitrophenol	50.0	16.5	MNR1 J	ug/L		33	10 - 120	
2-Nitrophenol	50.0	38.6	MNR1	ug/L		77	32 - 120	
N-Nitrosodiphenylamine	50.0	54.3	MNR1	ug/L		109	58 - 149	
N-Nitrosodi-n-propylamine	50.0	37.8	MNR1	ug/L		76	51 - 120	
Pentachlorophenol	50.0	55.7	MNR1	ug/L		111	21 - 150	
Phenanthrene	50.0	46.0	MNR1	ug/L		92	56 - 120	
Phenol	50.0	14.8	MNR1	ug/L		30	14 - 120	
Pyrene	50.0	41.2	MNR1	ug/L		82	53 - 129	
1,2,4-Trichlorobenzene	50.0	25.7	MNR1	ug/L		51	30 - 120	
2,4,6-Trichlorophenol	50.0	44.0	MNR1	ug/L		88	39 - 135	
2,4,5-Trichlorophenol	50.0	35.1	MNR1	ug/L		70	40 - 129	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	86		13 - 120
2,4,6-Tribromophenol	74		10 - 120
Phenol-d5	26		10 - 120
2-Fluorobiphenyl	68		29 - 120
2-Fluorophenol	43		10 - 120
Nitrobenzene-d5	72		27 - 120

**Lab Sample ID: 11L2985-BLK1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Blank Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BLK1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BLK1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	80		18 - 120	12/14/11 07:46	12/14/11 14:11	1.00
2,4,6-Tribromophenol	59		19 - 120	12/14/11 07:46	12/14/11 14:11	1.00
Phenol-d5	62		18 - 120	12/14/11 07:46	12/14/11 14:11	1.00
2-Fluorobiphenyl	63		14 - 120	12/14/11 07:46	12/14/11 14:11	1.00
2-Fluorophenol	61		17 - 120	12/14/11 07:46	12/14/11 14:11	1.00
Nitrobenzene-d5	60		17 - 120	12/14/11 07:46	12/14/11 14:11	1.00

**Lab Sample ID: 11L2985-BS1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.13		mg/kg wet		68	36 - 120
Acenaphthylene	1.67	1.02		mg/kg wet		61	38 - 120
Anthracene	1.67	1.16		mg/kg wet		69	46 - 124
Benzo (a) anthracene	1.67	1.15		mg/kg wet		69	45 - 120
Benzo (a) pyrene	1.67	1.23		mg/kg wet		74	45 - 120
Benzo (b) fluoranthene	1.67	1.31		mg/kg wet		79	42 - 120
Benzo (g,h,i) perylene	1.67	1.18		mg/kg wet		71	38 - 120
Benzo (k) fluoranthene	1.67	1.00		mg/kg wet		60	42 - 120
4-Bromophenyl phenyl ether	1.67	1.21		mg/kg wet		72	40 - 120
Butyl benzyl phthalate	1.67	1.29		mg/kg wet		77	43 - 133
Carbazole	1.67	1.15		mg/kg wet		69	44 - 120
4-Chloro-3-methylphenol	1.67	1.07		mg/kg wet		64	38 - 120
4-Chloroaniline	1.67	1.08		mg/kg wet		64	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.10		mg/kg wet		66	32 - 120
Bis(2-chloroethyl)ether	1.67	1.10		mg/kg wet		66	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.20		mg/kg wet		72	32 - 120
2-Chloronaphthalene	1.67	0.965		mg/kg wet		58	34 - 120
2-Chlorophenol	1.67	1.07		mg/kg wet		64	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.17		mg/kg wet		70	42 - 120
Chrysene	1.67	1.15		mg/kg wet		69	43 - 120
Dibenz (a,h) anthracene	1.67	1.17		mg/kg wet		70	32 - 128
Dibenzofuran	1.67	1.20		mg/kg wet		72	41 - 120
Di-n-butyl phthalate	1.67	1.23		mg/kg wet		74	46 - 127
1,4-Dichlorobenzene	1.67	0.950		mg/kg wet		57	32 - 120
1,2-Dichlorobenzene	1.67	0.960		mg/kg wet		58	33 - 120
1,3-Dichlorobenzene	1.67	0.970		mg/kg wet		58	32 - 120
3,3-Dichlorobenzidine	1.67	1.13		mg/kg wet		68	39 - 120
2,4-Dichlorophenol	1.67	1.06		mg/kg wet		64	32 - 120
Diethyl phthalate	1.67	1.21		mg/kg wet		73	41 - 122
2,4-Dimethylphenol	1.67	1.13		mg/kg wet		68	32 - 120
Dimethyl phthalate	1.67	1.15		mg/kg wet		69	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.16		mg/kg wet		70	27 - 134
2,4-Dinitrophenol	1.67	1.13		mg/kg wet		68	23 - 142

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BS1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
2,6-Dinitrotoluene	1.67	1.00		mg/kg wet		60	43 - 120	
2,4-Dinitrotoluene	1.67	1.00		mg/kg wet		60	43 - 120	
Di-n-octyl phthalate	1.67	1.32		mg/kg wet		79	40 - 130	
Bis(2-ethylhexyl)phthalate	1.67	1.28		mg/kg wet		77	43 - 120	
Fluoranthene	1.67	1.15		mg/kg wet		69	46 - 120	
Fluorene	1.67	1.15		mg/kg wet		69	42 - 120	
Hexachlorobenzene	1.67	1.25		mg/kg wet		75	44 - 120	
Hexachlorobutadiene	1.67	1.22		mg/kg wet		73	31 - 120	
Hexachlorocyclopentadiene	1.67	0.689		mg/kg wet		41	24 - 120	
Hexachloroethane	1.67	1.14		mg/kg wet		68	33 - 120	
Indeno (1,2,3-cd) pyrene	1.67	1.17		mg/kg wet		70	41 - 121	
Isophorone	1.67	0.952		mg/kg wet		57	33 - 120	
2-Methylnaphthalene	1.67	1.06		mg/kg wet		64	28 - 120	
2-Methylphenol	1.67	0.983		mg/kg wet		59	36 - 120	
3/4-Methylphenol	1.67	1.00		mg/kg wet		60	37 - 120	
Naphthalene	1.67	1.06		mg/kg wet		63	32 - 120	
3-Nitroaniline	1.67	1.17		mg/kg wet		70	42 - 120	
2-Nitroaniline	1.67	1.18		mg/kg wet		71	40 - 120	
4-Nitroaniline	1.67	1.14		mg/kg wet		69	43 - 120	
Nitrobenzene	1.67	0.863		mg/kg wet		52	26 - 120	
4-Nitrophenol	1.67	1.21		mg/kg wet		72	32 - 136	
2-Nitrophenol	1.67	1.08		mg/kg wet		65	29 - 120	
N-Nitrosodiphenylamine	1.67	1.39		mg/kg wet		84	52 - 140	
N-Nitrosodi-n-propylamine	1.67	1.23		mg/kg wet		74	35 - 120	
Pentachlorophenol	1.67	1.16		mg/kg wet		70	44 - 134	
Phenanthrene	1.67	1.18		mg/kg wet		71	45 - 120	
Phenol	1.67	1.11		mg/kg wet		67	30 - 120	
Pyrene	1.67	1.20		mg/kg wet		72	43 - 120	
1,2,4-Trichlorobenzene	1.67	0.881		mg/kg wet		53	29 - 120	
2,4,6-Trichlorophenol	1.67	1.17		mg/kg wet		70	39 - 120	
2,4,5-Trichlorophenol	1.67	0.989		mg/kg wet		59	39 - 120	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	77		18 - 120
2,4,6-Tribromophenol	59		19 - 120
Phenol-d5	57		18 - 120
2-Fluorobiphenyl	60		14 - 120
2-Fluorophenol	59		17 - 120
Nitrobenzene-d5	53		17 - 120

**Lab Sample ID: 11L2985-BSD1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	
Acenaphthene	1.67	1.20		mg/kg wet		72	36 - 120	5	50	
Acenaphthylene	1.67	1.08		mg/kg wet		65	38 - 120	5	50	
Anthracene	1.67	1.25		mg/kg wet		75	46 - 124	8	49	
Benzo (a) anthracene	1.67	1.25		mg/kg wet		75	45 - 120	8	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BSD1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	Limit
Benzo (a) pyrene	1.67	1.31		mg/kg wet		78	45 - 120	6	50	
Benzo (b) fluoranthene	1.67	1.41		mg/kg wet		85	42 - 120	7	50	
Benzo (g,h,i) perylene	1.67	1.30		mg/kg wet		78	38 - 120	9	50	
Benzo (k) fluoranthene	1.67	1.09		mg/kg wet		66	42 - 120	8	45	
4-Bromophenyl phenyl ether	1.67	1.30		mg/kg wet		78	40 - 120	7	37	
Butyl benzyl phthalate	1.67	1.38		mg/kg wet		83	43 - 133	7	50	
Carbazole	1.67	1.22		mg/kg wet		73	44 - 120	6	46	
4-Chloro-3-methylphenol	1.67	1.17		mg/kg wet		70	38 - 120	8	49	
4-Chloroaniline	1.67	1.15		mg/kg wet		69	35 - 120	7	50	
Bis(2-chloroethoxy)methane	1.67	1.18		mg/kg wet		71	32 - 120	7	50	
Bis(2-chloroethyl)ether	1.67	1.16		mg/kg wet		70	31 - 120	5	50	
Bis(2-chloroisopropyl)ether	1.67	1.24		mg/kg wet		74	32 - 120	3	50	
2-Chloronaphthalene	1.67	1.03		mg/kg wet		62	34 - 120	6	50	
2-Chlorophenol	1.67	1.13		mg/kg wet		68	32 - 120	6	50	
4-Chlorophenyl phenyl ether	1.67	1.24		mg/kg wet		74	42 - 120	6	50	
Chrysene	1.67	1.23		mg/kg wet		74	43 - 120	7	49	
Dibenz (a,h) anthracene	1.67	1.28		mg/kg wet		77	32 - 128	9	50	
Dibenzofuran	1.67	1.28		mg/kg wet		77	41 - 120	6	50	
Di-n-butyl phthalate	1.67	1.29		mg/kg wet		78	46 - 127	5	49	
1,4-Dichlorobenzene	1.67	0.984		mg/kg wet		59	32 - 120	4	50	
1,2-Dichlorobenzene	1.67	1.01		mg/kg wet		60	33 - 120	5	50	
1,3-Dichlorobenzene	1.67	1.01		mg/kg wet		60	32 - 120	4	50	
3,3-Dichlorobenzidine	1.67	1.19		mg/kg wet		71	39 - 120	5	50	
2,4-Dichlorophenol	1.67	1.17		mg/kg wet		70	32 - 120	9	50	
Diethyl phthalate	1.67	1.28		mg/kg wet		77	41 - 122	5	45	
2,4-Dimethylphenol	1.67	1.21		mg/kg wet		73	32 - 120	7	50	
Dimethyl phthalate	1.67	1.22		mg/kg wet		73	55 - 120	6	46	
4,6-Dinitro-2-methylphenol	1.67	1.23		mg/kg wet		74	27 - 134	6	50	
2,4-Dinitrophenol	1.67	1.21		mg/kg wet		73	23 - 142	7	50	
2,6-Dinitrotoluene	1.67	1.06		mg/kg wet		64	43 - 120	6	50	
2,4-Dinitrotoluene	1.67	1.06		mg/kg wet		64	43 - 120	6	50	
Di-n-octyl phthalate	1.67	1.43		mg/kg wet		86	40 - 130	8	50	
Bis(2-ethylhexyl)phthalate	1.67	1.39		mg/kg wet		83	43 - 120	8	50	
Fluoranthene	1.67	1.22		mg/kg wet		73	46 - 120	6	50	
Fluorene	1.67	1.22		mg/kg wet		73	42 - 120	6	50	
Hexachlorobenzene	1.67	1.31		mg/kg wet		79	44 - 120	5	50	
Hexachlorobutadiene	1.67	1.31		mg/kg wet		78	31 - 120	7	50	
Hexachlorocyclopentadiene	1.67	0.751		mg/kg wet		45	24 - 120	9	50	
Hexachloroethane	1.67	1.22		mg/kg wet		73	33 - 120	6	50	
Indeno (1,2,3-cd) pyrene	1.67	1.27		mg/kg wet		76	41 - 121	8	50	
Isophorone	1.67	1.03		mg/kg wet		62	33 - 120	7	50	
2-Methylnaphthalene	1.67	1.15		mg/kg wet		69	28 - 120	8	50	
2-Methylphenol	1.67	1.05		mg/kg wet		63	36 - 120	6	50	
3/4-Methylphenol	1.67	1.06		mg/kg wet		64	37 - 120	6	50	
Naphthalene	1.67	1.15		mg/kg wet		69	32 - 120	8	50	
3-Nitroaniline	1.67	1.23		mg/kg wet		74	42 - 120	4	49	
2-Nitroaniline	1.67	1.27		mg/kg wet		76	40 - 120	7	50	
4-Nitroaniline	1.67	1.20		mg/kg wet		72	43 - 120	5	49	
Nitrobenzene	1.67	0.915		mg/kg wet		55	26 - 120	6	50	
4-Nitrophenol	1.67	1.26		mg/kg wet		76	32 - 136	4	45	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BSD1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	
2-Nitrophenol	1.67	1.16		mg/kg wet		69	29 - 120	7	50	
N-Nitrosodiphenylamine	1.67	1.48		mg/kg wet		89	52 - 140	6	50	
N-Nitrosodi-n-propylamine	1.67	1.31		mg/kg wet		78	35 - 120	6	50	
Pentachlorophenol	1.67	1.22		mg/kg wet		73	44 - 134	5	50	
Phenanthrene	1.67	1.24		mg/kg wet		74	45 - 120	5	50	
Phenol	1.67	1.17		mg/kg wet		70	30 - 120	5	50	
Pyrene	1.67	1.28		mg/kg wet		77	43 - 120	7	50	
1,2,4-Trichlorobenzene	1.67	0.966		mg/kg wet		58	29 - 120	9	50	
2,4,6-Trichlorophenol	1.67	1.24		mg/kg wet		74	39 - 120	6	50	
2,4,5-Trichlorophenol	1.67	1.04		mg/kg wet		63	39 - 120	5	50	

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
Terphenyl-d14	83		18 - 120
2,4,6-Tribromophenol	65		19 - 120
Phenol-d5	62		18 - 120
2-Fluorobiphenyl	64		14 - 120
2-Fluorophenol	63		17 - 120
Nitrobenzene-d5	58		17 - 120

**Lab Sample ID: 11L2985-MS1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Acenaphthene	<0.0374		1.85	1.36		mg/kg dry	☼	73	19 - 120	
Acenaphthylene	<0.0374		1.85	1.23		mg/kg dry	☼	67	25 - 120	
Anthracene	<0.0374		1.85	1.38		mg/kg dry	☼	75	28 - 125	
Benzo (a) anthracene	<0.0374		1.85	1.39		mg/kg dry	☼	75	23 - 120	
Benzo (a) pyrene	<0.0374		1.85	1.48		mg/kg dry	☼	80	15 - 128	
Benzo (b) fluoranthene	<0.0374		1.85	1.43		mg/kg dry	☼	77	12 - 133	
Benzo (g,h,i) perylene	<0.0374		1.85	1.46		mg/kg dry	☼	79	22 - 120	
Benzo (k) fluoranthene	<0.0374		1.85	1.40		mg/kg dry	☼	75	28 - 120	
4-Bromophenyl phenyl ether	<0.184		1.85	1.45		mg/kg dry	☼	78	31 - 120	
Butyl benzyl phthalate	<0.184		1.85	1.61		mg/kg dry	☼	87	24 - 133	
Carbazole	<0.184		1.85	1.36		mg/kg dry	☼	73	25 - 123	
4-Chloro-3-methylphenol	<0.184		1.85	1.29		mg/kg dry	☼	70	21 - 120	
4-Chloroaniline	<0.184		1.85	1.25		mg/kg dry	☼	68	26 - 120	
Bis(2-chloroethoxy)methane	<0.184		1.85	1.26		mg/kg dry	☼	68	24 - 120	
Bis(2-chloroethyl)ether	<0.184		1.85	1.26		mg/kg dry	☼	68	22 - 120	
Bis(2-chloroisopropyl)ether	<0.184		1.85	1.38		mg/kg dry	☼	74	20 - 120	
2-Chloronaphthalene	<0.184		1.85	1.16		mg/kg dry	☼	63	24 - 120	
2-Chlorophenol	<0.184		1.85	1.24		mg/kg dry	☼	67	25 - 120	
4-Chlorophenyl phenyl ether	<0.184		1.85	1.44		mg/kg dry	☼	78	26 - 120	
Chrysene	<0.0374		1.85	1.40		mg/kg dry	☼	75	20 - 120	
Dibenz (a,h) anthracene	<0.0374		1.85	1.44		mg/kg dry	☼	78	12 - 128	
Dibenzofuran	<0.184		1.85	1.44		mg/kg dry	☼	78	21 - 120	
Di-n-butyl phthalate	<0.184		1.85	1.47		mg/kg dry	☼	79	29 - 126	
1,4-Dichlorobenzene	<0.184		1.85	1.10		mg/kg dry	☼	59	10 - 120	
1,2-Dichlorobenzene	<0.184		1.85	1.12		mg/kg dry	☼	61	10 - 120	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11L2985-MS1

Matrix: Soil

Analysis Batch: 11L2985

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11L2985\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,3-Dichlorobenzene	<0.184		1.85	1.11		mg/kg dry	*	60	10 - 120	
3,3-Dichlorobenzidine	<0.184		1.85	1.24		mg/kg dry	*	67	10 - 120	
2,4-Dichlorophenol	<0.184		1.85	1.26		mg/kg dry	*	68	17 - 120	
Diethyl phthalate	<0.184		1.85	1.43		mg/kg dry	*	77	29 - 122	
2,4-Dimethylphenol	<0.211		1.85	1.27		mg/kg dry	*	68	17 - 120	
Dimethyl phthalate	<0.184		1.85	1.35		mg/kg dry	*	73	30 - 120	
4,6-Dinitro-2-methylphenol	<0.184		1.85	1.32		mg/kg dry	*	71	10 - 134	
2,4-Dinitrophenol	<0.184		1.85	1.25		mg/kg dry	*	68	10 - 150	
2,6-Dinitrotoluene	<0.184		1.85	1.22		mg/kg dry	*	66	24 - 120	
2,4-Dinitrotoluene	<0.184		1.85	1.22		mg/kg dry	*	66	24 - 121	
Di-n-octyl phthalate	<0.184		1.85	1.59		mg/kg dry	*	86	27 - 130	
Bis(2-ethylhexyl)phthalate	<0.184		1.85	1.60		mg/kg dry	*	86	26 - 120	
Fluoranthene	<0.0374		1.85	1.39		mg/kg dry	*	75	10 - 143	
Fluorene	<0.0374		1.85	1.38		mg/kg dry	*	75	20 - 120	
Hexachlorobenzene	<0.184		1.85	1.47		mg/kg dry	*	80	25 - 120	
Hexachlorobutadiene	<0.184		1.85	1.44		mg/kg dry	*	78	10 - 120	
Hexachlorocyclopentadiene	<0.184		1.85	0.792		mg/kg dry	*	43	10 - 120	
Hexachloroethane	<0.184		1.85	1.32		mg/kg dry	*	71	10 - 120	
Indeno (1,2,3-cd) pyrene	<0.0374		1.85	1.42		mg/kg dry	*	77	22 - 121	
Isophorone	<0.184		1.85	1.10		mg/kg dry	*	59	24 - 120	
2-Methylnaphthalene	<0.0374		1.85	1.26		mg/kg dry	*	68	13 - 120	
2-Methylphenol	<0.184		1.85	1.15		mg/kg dry	*	62	23 - 120	
3/4-Methylphenol	<0.184		1.85	1.16		mg/kg dry	*	63	19 - 120	
Naphthalene	<0.0374		1.85	1.23		mg/kg dry	*	66	10 - 120	
3-Nitroaniline	<0.184		1.85	1.42		mg/kg dry	*	76	31 - 120	
2-Nitroaniline	<0.184		1.85	1.39		mg/kg dry	*	75	31 - 120	
4-Nitroaniline	<0.184		1.85	1.34		mg/kg dry	*	73	28 - 120	
Nitrobenzene	<0.184		1.85	0.977		mg/kg dry	*	53	19 - 120	
4-Nitrophenol	<0.184		1.85	1.44		mg/kg dry	*	78	16 - 139	
2-Nitrophenol	<0.215		1.85	1.22		mg/kg dry	*	66	23 - 120	
N-Nitrosodiphenylamine	<0.201		1.85	1.68		mg/kg dry	*	91	26 - 150	
N-Nitrosodi-n-propylamine	<0.184		1.85	1.42		mg/kg dry	*	77	24 - 120	
Pentachlorophenol	<0.184		1.85	1.38		mg/kg dry	*	74	19 - 145	
Phenanthrene	<0.0374		1.85	1.38		mg/kg dry	*	75	21 - 122	
Phenol	<0.184		1.85	1.28		mg/kg dry	*	69	15 - 120	
Pyrene	<0.0374		1.85	1.46		mg/kg dry	*	79	20 - 123	
1,2,4-Trichlorobenzene	<0.184		1.85	1.06		mg/kg dry	*	57	14 - 120	
2,4,6-Trichlorophenol	<0.184		1.85	1.37		mg/kg dry	*	74	24 - 122	
2,4,5-Trichlorophenol	<0.184		1.85	1.20		mg/kg dry	*	65	27 - 120	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Terphenyl-d14	85		18 - 120
2,4,6-Tribromophenol	64		19 - 120
Phenol-d5	60		18 - 120
2-Fluorobiphenyl	65		14 - 120
2-Fluorophenol	61		17 - 120
Nitrobenzene-d5	55		17 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-MSD1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
									Limits	RPD		
Acenaphthene	<0.0374		1.85	1.21		mg/kg dry	*	65	19 - 120	12	50	
Acenaphthylene	<0.0374		1.85	1.09		mg/kg dry	*	59	25 - 120	13	50	
Anthracene	<0.0374		1.85	1.25		mg/kg dry	*	67	28 - 125	10	49	
Benzo (a) anthracene	<0.0374		1.85	1.22		mg/kg dry	*	66	23 - 120	13	50	
Benzo (a) pyrene	<0.0374		1.85	1.32		mg/kg dry	*	71	15 - 128	11	50	
Benzo (b) fluoranthene	<0.0374		1.85	1.35		mg/kg dry	*	73	12 - 133	6	50	
Benzo (g,h,i) perylene	<0.0374		1.85	1.28		mg/kg dry	*	69	22 - 120	14	50	
Benzo (k) fluoranthene	<0.0374		1.85	1.15		mg/kg dry	*	62	28 - 120	20	45	
4-Bromophenyl phenyl ether	<0.184		1.85	1.30		mg/kg dry	*	70	31 - 120	11	37	
Butyl benzyl phthalate	<0.184		1.85	1.42		mg/kg dry	*	77	24 - 133	12	50	
Carbazole	<0.184		1.85	1.24		mg/kg dry	*	67	25 - 123	9	46	
4-Chloro-3-methylphenol	<0.184		1.85	1.15		mg/kg dry	*	62	21 - 120	11	49	
4-Chloroaniline	<0.184		1.85	1.13		mg/kg dry	*	61	26 - 120	10	50	
Bis(2-chloroethoxy)methane	<0.184		1.85	1.15		mg/kg dry	*	62	24 - 120	8	50	
Bis(2-chloroethyl)ether	<0.184		1.85	1.16		mg/kg dry	*	63	22 - 120	8	50	
Bis(2-chloroisopropyl)ether	<0.184		1.85	1.24		mg/kg dry	*	67	20 - 120	10	50	
2-Chloronaphthalene	<0.184		1.85	1.02		mg/kg dry	*	55	24 - 120	13	50	
2-Chlorophenol	<0.184		1.85	1.12		mg/kg dry	*	60	25 - 120	10	50	
4-Chlorophenyl phenyl ether	<0.184		1.85	1.24		mg/kg dry	*	67	26 - 120	15	50	
Chrysene	<0.0374		1.85	1.20		mg/kg dry	*	65	20 - 120	15	49	
Dibenz (a,h) anthracene	<0.0374		1.85	1.28		mg/kg dry	*	69	12 - 128	12	50	
Dibenzofuran	<0.184		1.85	1.29		mg/kg dry	*	69	21 - 120	11	50	
Di-n-butyl phthalate	<0.184		1.85	1.32		mg/kg dry	*	71	29 - 126	11	49	
1,4-Dichlorobenzene	<0.184		1.85	0.985		mg/kg dry	*	53	10 - 120	11	50	
1,2-Dichlorobenzene	<0.184		1.85	1.01		mg/kg dry	*	54	10 - 120	11	50	
1,3-Dichlorobenzene	<0.184		1.85	1.00		mg/kg dry	*	54	10 - 120	10	50	
3,3-Dichlorobenzidine	<0.184		1.85	1.17		mg/kg dry	*	63	10 - 120	6	50	
2,4-Dichlorophenol	<0.184		1.85	1.13		mg/kg dry	*	61	17 - 120	10	50	
Diethyl phthalate	<0.184		1.85	1.27		mg/kg dry	*	69	29 - 122	11	45	
2,4-Dimethylphenol	<0.211		1.85	1.19		mg/kg dry	*	64	17 - 120	6	50	
Dimethyl phthalate	<0.184		1.85	1.19		mg/kg dry	*	64	30 - 120	13	46	
4,6-Dinitro-2-methylphenol	<0.184		1.85	1.09		mg/kg dry	*	59	10 - 134	19	50	
2,4-Dinitrophenol	<0.184		1.85	0.860		mg/kg dry	*	46	10 - 150	37	50	
2,6-Dinitrotoluene	<0.184		1.85	1.05		mg/kg dry	*	57	24 - 120	15	50	
2,4-Dinitrotoluene	<0.184		1.85	1.05		mg/kg dry	*	57	24 - 121	15	50	
Di-n-octyl phthalate	<0.184		1.85	1.45		mg/kg dry	*	78	27 - 130	9	50	
Bis(2-ethylhexyl)phthalate	<0.184		1.85	1.44		mg/kg dry	*	78	26 - 120	10	50	
Fluoranthene	<0.0374		1.85	1.25		mg/kg dry	*	67	10 - 143	11	50	
Fluorene	<0.0374		1.85	1.23		mg/kg dry	*	66	20 - 120	12	50	
Hexachlorobenzene	<0.184		1.85	1.30		mg/kg dry	*	70	25 - 120	12	50	
Hexachlorobutadiene	<0.184		1.85	1.31		mg/kg dry	*	71	10 - 120	10	50	
Hexachlorocyclopentadiene	<0.184		1.85	0.708		mg/kg dry	*	38	10 - 120	11	50	
Hexachloroethane	<0.184		1.85	1.21		mg/kg dry	*	65	10 - 120	9	50	
Indeno (1,2,3-cd) pyrene	<0.0374		1.85	1.25		mg/kg dry	*	68	22 - 121	12	50	
Isophorone	<0.184		1.85	1.01		mg/kg dry	*	55	24 - 120	8	50	
2-Methylnaphthalene	<0.0374		1.85	1.14		mg/kg dry	*	61	13 - 120	10	50	
2-Methylphenol	<0.184		1.85	1.03		mg/kg dry	*	56	23 - 120	11	50	
3/4-Methylphenol	<0.184		1.85	1.05		mg/kg dry	*	57	19 - 120	10	50	
Naphthalene	<0.0374		1.85	1.13		mg/kg dry	*	61	10 - 120	8	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11L2985-MSD1

Matrix: Soil

Analysis Batch: 11L2985

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11L2985\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
3-Nitroaniline	<0.184		1.85	1.25		mg/kg dry	*	67	31 - 120	13	49
2-Nitroaniline	<0.184		1.85	1.27		mg/kg dry	*	69	31 - 120	9	50
4-Nitroaniline	<0.184		1.85	1.22		mg/kg dry	*	66	28 - 120	10	49
Nitrobenzene	<0.184		1.85	0.917		mg/kg dry	*	49	19 - 120	6	50
4-Nitrophenol	<0.184		1.85	1.29		mg/kg dry	*	70	16 - 139	11	45
2-Nitrophenol	<0.215		1.85	1.13		mg/kg dry	*	61	23 - 120	7	50
N-Nitrosodiphenylamine	<0.201		1.85	1.52		mg/kg dry	*	82	26 - 150	10	50
N-Nitrosodi-n-propylamine	<0.184		1.85	1.28		mg/kg dry	*	69	24 - 120	10	50
Pentachlorophenol	<0.184		1.85	1.17		mg/kg dry	*	63	19 - 145	16	50
Phenanthrene	<0.0374		1.85	1.25		mg/kg dry	*	68	21 - 122	10	50
Phenol	<0.184		1.85	1.15		mg/kg dry	*	62	15 - 120	11	50
Pyrene	<0.0374		1.85	1.28		mg/kg dry	*	69	20 - 123	13	50
1,2,4-Trichlorobenzene	<0.184		1.85	0.959		mg/kg dry	*	52	14 - 120	10	50
2,4,6-Trichlorophenol	<0.184		1.85	1.25		mg/kg dry	*	68	24 - 122	9	50
2,4,5-Trichlorophenol	<0.184		1.85	1.05		mg/kg dry	*	57	27 - 120	14	50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits
Terphenyl-d14	72		18 - 120
2,4,6-Tribromophenol	55		19 - 120
Phenol-d5	53		18 - 120
2-Fluorobiphenyl	55		14 - 120
2-Fluorophenol	52		17 - 120
Nitrobenzene-d5	49		17 - 120

## Method: SW846 6010C - Total Metals by EPA 6010C

Lab Sample ID: 11L2842-BLK1

Matrix: Water

Analysis Batch: 11L2842

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2842\_P

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Calcium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Magnesium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Potassium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 01:22	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2842-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2842**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11L2842\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	0.888	J	1.00	0.500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 01:22	1.00

**Lab Sample ID: 11L2842-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2842**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L2842\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	2.00	2.00		mg/L		100	80 - 120	
Antimony	0.100	0.119		mg/L		119	80 - 120	
Arsenic	0.0500	0.0487		mg/L		97	80 - 120	
Barium	2.00	2.10		mg/L		105	80 - 120	
Beryllium	0.0500	0.0512		mg/L		102	80 - 120	
Cadmium	0.0500	0.0518		mg/L		104	80 - 120	
Calcium	5.00	5.16		mg/L		103	80 - 120	
Chromium	0.200	0.202		mg/L		101	80 - 120	
Cobalt	0.500	0.506		mg/L		101	80 - 120	
Copper	0.250	0.255		mg/L		102	80 - 120	
Iron	1.00	1.09		mg/L		109	80 - 120	
Lead	0.0500	0.0520		mg/L		104	80 - 120	
Magnesium	5.00	5.02		mg/L		100	80 - 120	
Manganese	0.500	0.525		mg/L		105	80 - 120	
Nickel	0.500	0.519		mg/L		104	80 - 120	
Potassium	5.00	5.10		mg/L		102	80 - 120	
Selenium	0.0500	0.0519		mg/L		104	80 - 120	
Silver	0.0500	0.0510		mg/L		102	80 - 120	
Sodium	5.00	5.70	B	mg/L		114	80 - 120	
Thallium	0.0500	0.0466		mg/L		93	80 - 120	
Vanadium	0.500	0.510		mg/L		102	80 - 120	
Zinc	0.500	0.498		mg/L		100	80 - 120	

**Lab Sample ID: 11L2842-BSD1**  
**Matrix: Water**  
**Analysis Batch: 11L2842**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 11L2842\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	RPD	Limit
Aluminum	2.00	2.03		mg/L		101	80 - 120	1	20	
Antimony	0.100	0.118		mg/L		118	80 - 120	0.3	20	
Arsenic	0.0500	0.0498		mg/L		100	80 - 120	2	20	
Barium	2.00	2.12		mg/L		106	80 - 120	0.8	20	
Beryllium	0.0500	0.0522		mg/L		104	80 - 120	2	20	
Cadmium	0.0500	0.0523		mg/L		105	80 - 120	1	20	
Calcium	5.00	5.21		mg/L		104	80 - 120	1	20	
Chromium	0.200	0.205		mg/L		102	80 - 120	1	20	
Cobalt	0.500	0.512		mg/L		102	80 - 120	1	20	
Copper	0.250	0.257		mg/L		103	80 - 120	0.7	20	
Iron	1.00	1.16		mg/L		116	80 - 120	6	20	
Lead	0.0500	0.0516		mg/L		103	80 - 120	0.8	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2842-BSD1**

**Matrix: Water**

**Analysis Batch: 11L2842**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2842\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Magnesium	5.00	5.11		mg/L		102	80 - 120	2	20	
Manganese	0.500	0.536		mg/L		107	80 - 120	2	20	
Nickel	0.500	0.527		mg/L		105	80 - 120	1	20	
Potassium	5.00	5.14		mg/L		103	80 - 120	0.7	20	
Selenium	0.0500	0.0520		mg/L		104	80 - 120	0.2	20	
Silver	0.0500	0.0515		mg/L		103	80 - 120	1	20	
Sodium	5.00	5.75	B	mg/L		115	80 - 120	0.8	20	
Thallium	0.0500	0.0472		mg/L		94	80 - 120	1	20	
Vanadium	0.500	0.518		mg/L		104	80 - 120	1	20	
Zinc	0.500	0.500		mg/L		100	80 - 120	0.5	20	

**Lab Sample ID: 11L2842-MS1**

**Matrix: Water**

**Analysis Batch: 11L2842**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L2842\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	<0.500		2.00	2.06	M4	mg/L		103	75 - 125	
Antimony	<0.0500		0.100	0.128	M4	mg/L		128	75 - 125	
Arsenic	<0.0500		0.0500	0.0598	M4	mg/L		120	75 - 125	
Barium	18.3		2.00	18.9	M4	mg/L		31	75 - 125	
Beryllium	<0.0200		0.0500	0.0482	M4	mg/L		96	75 - 125	
Cadmium	<0.00600		0.0500	0.0498	M4	mg/L		100	75 - 125	
Calcium	1050		5.00	892	M4	mg/L		-3250	75 - 125	
Chromium	<0.0250		0.200	0.189	M4	mg/L		95	75 - 125	
Cobalt	<0.100		0.500	0.552	M4	mg/L		110	75 - 125	
Copper	<0.0500		0.250	0.264	M4	mg/L		106	75 - 125	
Iron	1.46		1.00	2.39	M4	mg/L		93	75 - 125	
Lead	<0.0250		0.0500	0.0616	M4	mg/L		123	75 - 125	
Magnesium	18.4		5.00	21.3	M4	mg/L		57	75 - 125	
Manganese	0.249		0.500	0.741	M4	mg/L		98	75 - 125	
Nickel	<0.0500		0.500	0.561	M4	mg/L		112	75 - 125	
Potassium	181		5.00	216	M4	mg/L		694	75 - 125	
Selenium	<0.0500		0.0500	0.0615	M4	mg/L		123	75 - 125	
Silver	<0.0250		0.0500	0.0674	M4	mg/L		135	75 - 125	
Sodium	12900		5.00	<0.500	M4	mg/L		-2590	75 - 125	
Thallium	<0.0500		0.0500	0.0403	M4	mg/L		81	75 - 125	
Vanadium	<0.100		0.500	0.487	M4	mg/L		97	75 - 125	
Zinc	<0.250		0.500	0.714	M4	mg/L		143	75 - 125	

**Lab Sample ID: 11L2842-MSD1**

**Matrix: Water**

**Analysis Batch: 11L2842**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2842\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	<0.500		2.00	2.08	M4	mg/L		104	75 - 125	1
Antimony	<0.0500		0.100	0.133	M4	mg/L		133	75 - 125	4
Arsenic	<0.0500		0.0500	0.0591	M4	mg/L		118	75 - 125	1
Barium	18.3		2.00	18.9	M4	mg/L		31	75 - 125	0
Beryllium	<0.0200		0.0500	0.0490	M4	mg/L		98	75 - 125	2

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2842-MSD1**

**Matrix: Water**

**Analysis Batch: 11L2842**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2842\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Cadmium	<0.00600		0.0500	0.0501	M4	mg/L		100	75 - 125	0.6	20
Calcium	1050		5.00	904	M4	mg/L		-3010	75 - 125	1	20
Chromium	<0.0250		0.200	0.191	M4	mg/L		95	75 - 125	0.8	20
Cobalt	<0.100		0.500	0.560	M4	mg/L		112	75 - 125	1	20
Copper	<0.0500		0.250	0.268	M4	mg/L		107	75 - 125	2	20
Iron	1.46		1.00	2.33	M4	mg/L		87	75 - 125	3	20
Lead	<0.0250		0.0500	0.0636	M4	mg/L		127	75 - 125	3	20
Magnesium	18.4		5.00	21.4	M4	mg/L		60	75 - 125	0.7	20
Manganese	0.249		0.500	0.732	M4	mg/L		97	75 - 125	1	20
Nickel	<0.0500		0.500	0.568	M4	mg/L		114	75 - 125	1	20
Potassium	181		5.00	216	M4	mg/L		698	75 - 125	0.09	20
Selenium	<0.0500		0.0500	0.0586	M4	mg/L		117	75 - 125	5	20
Silver	<0.0250		0.0500	0.0689	M4	mg/L		138	75 - 125	2	20
Sodium	12900		5.00	<0.500	M4	mg/L		-2590	75 - 125		20
Thallium	<0.0500		0.0500	0.0412	M4	mg/L		82	75 - 125	2	20
Vanadium	<0.100		0.500	0.495	M4	mg/L		99	75 - 125	2	20
Zinc	<0.250		0.500	0.709	M4	mg/L		142	75 - 125	0.7	20

**Lab Sample ID: 11L2851-BLK1**

**Matrix: Soil**

**Analysis Batch: U021783**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2851\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<10.1		20.2	10.1	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Antimony	<5.05		10.1	5.05	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Arsenic	<0.505		1.01	0.505	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Barium	<1.01		2.02	1.01	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Beryllium	<0.505		1.01	0.505	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Cadmium	<0.505		1.01	0.505	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Calcium	<50.5		101	50.5	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Chromium	<0.505		1.01	0.505	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Cobalt	<1.52		3.03	1.52	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Copper	<1.01		2.02	1.01	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Iron	<5.05		10.1	5.05	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Lead	<0.505		1.01	0.505	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Magnesium	<50.5		101	50.5	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Manganese	<1.52		3.03	1.52	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Nickel	<1.01		2.02	1.01	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Potassium	<50.5		101	50.5	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Selenium	<1.01		2.02	1.01	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Silver	<0.505		1.01	0.505	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Sodium	<101		202	101	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Thallium	<1.01		2.02	1.01	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Vanadium	<5.05		10.1	5.05	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Zinc	<5.05		10.1	5.05	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2851-BS1**  
**Matrix: Soil**  
**Analysis Batch: U021783**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L2851\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	808	763		mg/kg wet		94	80 - 120
Antimony	40.4	43.0		mg/kg wet		106	80 - 120
Arsenic	20.2	20.0		mg/kg wet		99	80 - 120
Barium	808	852		mg/kg wet		105	80 - 120
Beryllium	20.2	19.6		mg/kg wet		97	80 - 120
Cadmium	20.2	19.9		mg/kg wet		99	80 - 120
Calcium	2020	1970		mg/kg wet		98	80 - 120
Chromium	80.8	76.2		mg/kg wet		94	80 - 120
Cobalt	202	199		mg/kg wet		99	80 - 120
Copper	101	95.0		mg/kg wet		94	80 - 120
Iron	404	386		mg/kg wet		95	80 - 120
Lead	20.2	20.7		mg/kg wet		102	80 - 120
Magnesium	2020	2020		mg/kg wet		100	80 - 120
Manganese	202	200		mg/kg wet		99	80 - 120
Nickel	202	206		mg/kg wet		102	80 - 120
Potassium	2020	1880		mg/kg wet		93	80 - 120
Selenium	20.2	20.3		mg/kg wet		101	80 - 120
Silver	20.2	19.1		mg/kg wet		94	75 - 125
Sodium	2020	1940		mg/kg wet		96	80 - 120
Thallium	20.2	18.0		mg/kg wet		89	80 - 120
Vanadium	202	194		mg/kg wet		96	80 - 120
Zinc	202	187		mg/kg wet		92	80 - 120

**Lab Sample ID: 11L2851-MS1**  
**Matrix: Soil**  
**Analysis Batch: U021783**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11L2851\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	9350		974	10000	MHA	mg/kg dry	☼	67	75 - 125
Antimony	<6.27		48.7	52.2		mg/kg dry	☼	107	75 - 125
Arsenic	22.0		24.3	40.8		mg/kg dry	☼	77	75 - 125
Barium	28.4		974	1050		mg/kg dry	☼	105	75 - 125
Beryllium	<0.627		24.3	23.7		mg/kg dry	☼	97	75 - 125
Cadmium	<0.627		24.3	23.5		mg/kg dry	☼	97	75 - 125
Calcium	2190		2430	5420	M7	mg/kg dry	☼	133	75 - 125
Chromium	10.4		97.4	101		mg/kg dry	☼	93	75 - 125
Cobalt	2.26		243	250		mg/kg dry	☼	102	75 - 125
Copper	32.0		122	138		mg/kg dry	☼	87	75 - 125
Iron	10400		487	10200	MHA	mg/kg dry	☼	-40	75 - 125
Lead	22.1		24.3	45.0		mg/kg dry	☼	94	75 - 125
Magnesium	1480		2430	4000		mg/kg dry	☼	103	75 - 125
Manganese	113		243	363		mg/kg dry	☼	102	75 - 125
Nickel	5.21		243	261		mg/kg dry	☼	105	75 - 125
Potassium	1090		2430	3510		mg/kg dry	☼	99	75 - 125
Selenium	<1.25		24.3	25.0		mg/kg dry	☼	103	75 - 125
Silver	<0.627		24.3	23.2		mg/kg dry	☼	95	75 - 125
Sodium	<125		2430	2470		mg/kg dry	☼	101	75 - 125
Thallium	<1.25		24.3	21.2		mg/kg dry	☼	87	75 - 125
Vanadium	16.5		243	250		mg/kg dry	☼	96	75 - 125
Zinc	27.4		243	251		mg/kg dry	☼	92	75 - 125



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2851-MSD1**

**Matrix: Soil**

**Analysis Batch: U021783**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2851\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aluminum	9350		970	10600		mg/kg dry	☼	125	75 - 125	5	20	
Antimony	<6.27		48.5	51.4		mg/kg dry	☼	106	75 - 125	2	20	
Arsenic	22.0		24.3	42.1		mg/kg dry	☼	83	75 - 125	3	20	
Barium	28.4		970	1050		mg/kg dry	☼	105	75 - 125	0.2	20	
Beryllium	<0.627		24.3	23.5		mg/kg dry	☼	97	75 - 125	1	20	
Cadmium	<0.627		24.3	22.9		mg/kg dry	☼	94	75 - 125	3	20	
Calcium	2190		2430	4710		mg/kg dry	☼	104	75 - 125	14	20	
Chromium	10.4		97.0	99.4		mg/kg dry	☼	92	75 - 125	1	20	
Cobalt	2.26		243	246		mg/kg dry	☼	101	75 - 125	1	20	
Copper	32.0		121	139		mg/kg dry	☼	88	75 - 125	0.6	20	
Iron	10400		485	10900		mg/kg dry	☼	104	75 - 125	7	20	
Lead	22.1		24.3	46.1		mg/kg dry	☼	99	75 - 125	2	20	
Magnesium	1480		2430	3860		mg/kg dry	☼	98	75 - 125	3	20	
Manganese	113		243	353		mg/kg dry	☼	99	75 - 125	3	20	
Nickel	5.21		243	257		mg/kg dry	☼	104	75 - 125	2	20	
Potassium	1090		2430	3470		mg/kg dry	☼	98	75 - 125	1	20	
Selenium	<1.25		24.3	24.4		mg/kg dry	☼	101	75 - 125	2	20	
Silver	<0.627		24.3	22.7		mg/kg dry	☼	94	75 - 125	2	20	
Sodium	<125		2430	2440		mg/kg dry	☼	100	75 - 125	1	20	
Thallium	<1.25		24.3	20.6		mg/kg dry	☼	85	75 - 125	3	20	
Vanadium	16.5		243	247		mg/kg dry	☼	95	75 - 125	1	20	
Zinc	27.4		243	248		mg/kg dry	☼	91	75 - 125	1	20	

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 11L2841-BLK1**

**Matrix: Water**

**Analysis Batch: 11L2841**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 11L2841\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Calcium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Copper	0.00510	J	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Magnesium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Potassium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Sodium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11L2841-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2841**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2841\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 05:26	1.00

**Lab Sample ID: 11L2841-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2841**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2841\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0250		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 10:10	1.00

**Lab Sample ID: 11L2841-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2841**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2841\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	2.00	2.10		mg/L		105	80 - 120
Antimony	0.100	0.118		mg/L		118	80 - 120
Arsenic	0.0500	0.0517		mg/L		103	80 - 120
Barium	2.00	2.20		mg/L		110	80 - 120
Beryllium	0.0500	0.0540		mg/L		108	80 - 120
Cadmium	0.0500	0.0542		mg/L		108	80 - 120
Calcium	5.00	5.40		mg/L		108	80 - 120
Chromium	0.200	0.213		mg/L		106	80 - 120
Cobalt	0.500	0.538		mg/L		108	80 - 120
Copper	0.250	0.266	B	mg/L		106	80 - 120
Iron	1.00	1.14		mg/L		114	80 - 120
Lead	0.0500	0.0560		mg/L		112	80 - 120
Magnesium	5.00	5.55		mg/L		111	80 - 120
Manganese	0.500	0.548		mg/L		110	80 - 120
Nickel	0.500	0.550		mg/L		110	80 - 120
Potassium	5.00	5.09		mg/L		102	80 - 120
Selenium	0.0500	0.0537		mg/L		107	80 - 120
Silver	0.0500	0.0540		mg/L		108	80 - 120
Sodium	5.00	5.40		mg/L		108	80 - 120
Thallium	0.0500	0.0471		mg/L		94	80 - 120
Vanadium	0.500	0.528		mg/L		106	80 - 120
Zinc	0.500	0.522		mg/L		104	80 - 120

**Lab Sample ID: 11L2841-MS1**  
**Matrix: Water**  
**Analysis Batch: 11L2841**

**Client Sample ID: Tract 22 TW-1 (16-20)**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2841\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	<0.0500	P7	2.00	2.08		mg/L		104	75 - 125
Antimony	<0.00500	P7	0.100	0.112		mg/L		112	75 - 125
Arsenic	<0.00500	P7	0.0500	0.0504		mg/L		101	75 - 125
Barium	0.0366	P7	2.00	2.12		mg/L		104	75 - 125
Beryllium	<0.00200	P7	0.0500	0.0529		mg/L		106	75 - 125
Cadmium	<0.000600	P7	0.0500	0.0519		mg/L		104	75 - 125
Calcium	73.9	MHA P7	5.00	83.0	MHA	mg/L		183	75 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11L2841-MS1**

**Matrix: Water**

**Analysis Batch: 11L2841**

**Client Sample ID: Tract 22 TW-1 (16-20)**

**Prep Type: Dissolved**

**Prep Batch: 11L2841\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Chromium	<0.00250	P7	0.200	0.204		mg/L		102	75 - 125	
Cobalt	<0.0100	P7	0.500	0.526		mg/L		105	75 - 125	
Copper	<0.00500	P7	0.250	0.260	B	mg/L		104	75 - 125	
Iron	0.170	P7	1.00	1.09		mg/L		92	75 - 125	
Lead	<0.00250	P7	0.0500	0.0453		mg/L		91	75 - 125	
Magnesium	8.00	P7	5.00	13.6		mg/L		112	75 - 125	
Manganese	0.0595	P7	0.500	0.586		mg/L		105	75 - 125	
Nickel	<0.00500	P7	0.500	0.536		mg/L		107	75 - 125	
Potassium	5.57	P7	5.00	10.8		mg/L		105	75 - 125	
Selenium	<0.00500	P7	0.0500	0.0527		mg/L		105	75 - 125	
Silver	<0.00250	P7	0.0500	0.0534		mg/L		107	75 - 125	
Sodium	24.7	MHA P7	5.00	30.9	MHA	mg/L		124	75 - 125	
Thallium	<0.00500	P7	0.0500	0.0442		mg/L		88	75 - 125	
Vanadium	<0.0100	P7	0.500	0.511		mg/L		102	75 - 125	
Zinc	<0.0250	P7	0.500	0.526		mg/L		105	75 - 125	

**Lab Sample ID: 11L2841-MSD1**

**Matrix: Water**

**Analysis Batch: 11L2841**

**Client Sample ID: Tract 22 TW-1 (16-20)**

**Prep Type: Dissolved**

**Prep Batch: 11L2841\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
Aluminum	<0.0500	P7	2.00	2.05		mg/L		102	75 - 125		1	20
Antimony	<0.00500	P7	0.100	0.113		mg/L		113	75 - 125		1	20
Arsenic	<0.00500	P7	0.0500	0.0530		mg/L		106	75 - 125		5	20
Barium	0.0366	P7	2.00	2.15		mg/L		106	75 - 125		1	20
Beryllium	<0.00200	P7	0.0500	0.0534		mg/L		107	75 - 125		0.9	20
Cadmium	<0.000600	P7	0.0500	0.0522		mg/L		104	75 - 125		0.6	20
Calcium	73.9	MHA P7	5.00	83.9	MHA	mg/L		201	75 - 125		1	20
Chromium	<0.00250	P7	0.200	0.205		mg/L		103	75 - 125		0.7	20
Cobalt	<0.0100	P7	0.500	0.534		mg/L		107	75 - 125		2	20
Copper	<0.00500	P7	0.250	0.258	B	mg/L		103	75 - 125		0.4	20
Iron	0.170	P7	1.00	1.10		mg/L		93	75 - 125		2	20
Lead	<0.00250	P7	0.0500	0.0476		mg/L		95	75 - 125		5	20
Magnesium	8.00	P7	5.00	13.7		mg/L		114	75 - 125		1	20
Manganese	0.0595	P7	0.500	0.584		mg/L		105	75 - 125		0.2	20
Nickel	<0.00500	P7	0.500	0.544		mg/L		109	75 - 125		1	20
Potassium	5.57	P7	5.00	11.0		mg/L		108	75 - 125		1	20
Selenium	<0.00500	P7	0.0500	0.0537		mg/L		107	75 - 125		2	20
Silver	<0.00250	P7	0.0500	0.0531		mg/L		106	75 - 125		0.6	20
Sodium	24.7	MHA P7	5.00	31.2	MHA	mg/L		131	75 - 125		1	20
Thallium	<0.00500	P7	0.0500	0.0453		mg/L		91	75 - 125		2	20
Vanadium	<0.0100	P7	0.500	0.512		mg/L		102	75 - 125		0.2	20
Zinc	<0.0250	P7	0.500	0.533		mg/L		107	75 - 125		1	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 11L3402-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L3402**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11L3402\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		12/14/11 14:42	12/15/11 09:39	1.00

**Lab Sample ID: 11L3402-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L3402**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L3402\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.00100		mg/L		100	80 - 120

**Lab Sample ID: 11L3402-MS1**  
**Matrix: Water**  
**Analysis Batch: 11L3402**

**Client Sample ID: Tract 22 TW-1 (16-20)**  
**Prep Type: Total**  
**Prep Batch: 11L3402\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.000145	J	0.00100	0.00120		mg/L		105	75 - 125

**Lab Sample ID: 11L3402-MSD1**  
**Matrix: Water**  
**Analysis Batch: 11L3402**

**Client Sample ID: Tract 22 TW-1 (16-20)**  
**Prep Type: Total**  
**Prep Batch: 11L3402\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.000145	J	0.00100	0.00116		mg/L		102	75 - 125	3	20

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 11L2881-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2881**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2881\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		12/12/11 13:55	12/13/11 10:35	1.00

**Lab Sample ID: 11L2881-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2881**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2881\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.00105		mg/L		105	80 - 120

**Lab Sample ID: 11L2881-BSD1**  
**Matrix: Water**  
**Analysis Batch: 11L2881**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2881\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.00104		mg/L		104	80 - 120	1	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 11L2881-MS1**

**Matrix: Water**

**Analysis Batch: 11L2881**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 11L2881\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.000852		mg/L		85	75 - 125

**Lab Sample ID: 11L2881-MSD1**

**Matrix: Water**

**Analysis Batch: 11L2881**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 11L2881\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.000817		mg/L		82	75 - 125	4	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 11L2903-BLK1**

**Matrix: Soil**

**Analysis Batch: 11L2903**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2903\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.050		0.099	0.050	mg/kg wet		12/12/11 13:50	12/14/11 12:53	1.0

**Lab Sample ID: 11L2903-BS1**

**Matrix: Soil**

**Analysis Batch: 11L2903**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2903\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.164	0.17		mg/kg wet		104	80 - 120

**Lab Sample ID: 11L2903-BSD1**

**Matrix: Soil**

**Analysis Batch: 11L2903**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2903\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.167	0.17		mg/kg wet		99	80 - 120	4	20

**Lab Sample ID: 11L2903-MS1**

**Matrix: Soil**

**Analysis Batch: 11L2903**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L2903\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.064		0.212	0.23		mg/kg dry	☼	111	80 - 120

**Lab Sample ID: 11L2903-MSD1**

**Matrix: Soil**

**Analysis Batch: 11L2903**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2903\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.064		0.203	0.23		mg/kg dry	☼	112	80 - 120	3	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
 Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11L4796-DUP1  
 Matrix: Soil  
 Analysis Batch: 11L4796

Client Sample ID: Tract 57 SB-1 (0-2)  
 Prep Type: Total  
 Prep Batch: 11L4796\_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Dry Solids	86.2		88.2		%		2	20

Lab Sample ID: 11L4799-DUP1  
 Matrix: Soil  
 Analysis Batch: 11L4799

Client Sample ID: Duplicate  
 Prep Type: Total  
 Prep Batch: 11L4799\_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Dry Solids	79.6		79.9		%		0.4	20

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## GCMS Volatiles

### Analysis Batch: U021853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3157-BLK1	Method Blank	Total	Water	SW846 8260B	11L3157_P
11L3157-BS1	Lab Control Sample	Total	Water	SW846 8260B	11L3157_P
11L3157-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	11L3157_P
11L3157-MS1	Tract 57 TW-1 (8-12)	Total	Water	SW846 8260B	11L3157_P
11L3157-MSD1	Tract 57 TW-1 (8-12)	Total	Water	SW846 8260B	11L3157_P
NVL1567-03	Tract 22 TW-1 (16-20)	Total	Ground Water	SW846 8260B	11L3157_P
NVL1567-06	Tract 57 TW-1 (8-12)	Total	Ground Water	SW846 8260B	11L3157_P
NVL1567-07	Trip Blank	Total	Water	SW846 8260B	11L3157_P

### Analysis Batch: U021987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3171-BLK1	Method Blank	Total	Soil	SW846 8260B	11L3171_P
11L3171-BLK2	Method Blank	Total	Soil	SW846 8260B	11L3171_P
11L3171-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11L3171_P
11L3171-MS1	Matrix Spike	Total	Soil	SW846 8260B	11L3171_P
11L3171-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11L3171_P
NVL1567-01	Tract 22 SB-1 (0-2)	Total	Soil	SW846 8260B	11L3171_P
NVL1567-02	Tract 22 SB-1 (4-8)	Total	Soil	SW846 8260B	11L3171_P
NVL1567-04	Tract 57 SB-1 (0-2)	Total	Soil	SW846 8260B	11L3171_P
NVL1567-05	Tract 57 SB-1 (6-10)	Total	Soil	SW846 8260B	11L3171_P

### Prep Batch: 11L3157\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3157-BLK1	Method Blank	Total	Water	EPA 5030B	
11L3157-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11L3157-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
11L3157-MS1	Tract 57 TW-1 (8-12)	Total	Water	EPA 5030B	
11L3157-MSD1	Tract 57 TW-1 (8-12)	Total	Water	EPA 5030B	
NVL1567-03	Tract 22 TW-1 (16-20)	Total	Ground Water	EPA 5030B	
NVL1567-06	Tract 57 TW-1 (8-12)	Total	Ground Water	EPA 5030B	
NVL1567-07	Trip Blank	Total	Water	EPA 5030B	

### Prep Batch: 11L3171\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3171-BLK1	Method Blank	Total	Soil	EPA 5035	
11L3171-BLK2	Method Blank	Total	Soil	EPA 5035	
11L3171-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11L3171-MS1	Matrix Spike	Total	Soil	EPA 5035	
11L3171-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NVL1567-01	Tract 22 SB-1 (0-2)	Total	Soil	EPA 5035	
NVL1567-02	Tract 22 SB-1 (4-8)	Total	Soil	EPA 5035	
NVL1567-04	Tract 57 SB-1 (0-2)	Total	Soil	EPA 5035	
NVL1567-05	Tract 57 SB-1 (6-10)	Total	Soil	EPA 5035	

## GCMS Semivolatiles

### Analysis Batch: 11L2806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2806-BLK1	Method Blank	Total	Water	SW846 8270D	11L2806_P
11L2806-BS1	Lab Control Sample	Total	Water	SW846 8270D	11L2806_P
NVL1567-03	Tract 22 TW-1 (16-20)	Total	Ground Water	SW846 8270D	11L2806_P
NVL1567-06	Tract 57 TW-1 (8-12)	Total	Ground Water	SW846 8270D	11L2806_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## GCMS Semivolatiles (Continued)

### Analysis Batch: 11L2985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2985-BLK1	Method Blank	Total	Soil	SW846 8270D	11L2985_P
11L2985-BS1	Lab Control Sample	Total	Soil	SW846 8270D	11L2985_P
11L2985-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8270D	11L2985_P
11L2985-MS1	Matrix Spike	Total	Soil	SW846 8270D	11L2985_P
11L2985-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8270D	11L2985_P
NVL1567-01	Tract 22 SB-1 (0-2)	Total	Soil	SW846 8270D	11L2985_P
NVL1567-02	Tract 22 SB-1 (4-8)	Total	Soil	SW846 8270D	11L2985_P
NVL1567-04	Tract 57 SB-1 (0-2)	Total	Soil	SW846 8270D	11L2985_P
NVL1567-05	Tract 57 SB-1 (6-10)	Total	Soil	SW846 8270D	11L2985_P

### Prep Batch: 11L2806\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2806-BLK1	Method Blank	Total	Water	EPA 3510C	
11L2806-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NVL1567-03	Tract 22 TW-1 (16-20)	Total	Ground Water	EPA 3510C	
NVL1567-06	Tract 57 TW-1 (8-12)	Total	Ground Water	EPA 3510C	

### Prep Batch: 11L2985\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2985-BLK1	Method Blank	Total	Soil	EPA 3550B	
11L2985-BS1	Lab Control Sample	Total	Soil	EPA 3550B	
11L2985-BSD1	Lab Control Sample Dup	Total	Soil	EPA 3550B	
11L2985-MS1	Matrix Spike	Total	Soil	EPA 3550B	
11L2985-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550B	
NVL1567-01	Tract 22 SB-1 (0-2)	Total	Soil	EPA 3550B	
NVL1567-02	Tract 22 SB-1 (4-8)	Total	Soil	EPA 3550B	
NVL1567-04	Tract 57 SB-1 (0-2)	Total	Soil	EPA 3550B	
NVL1567-05	Tract 57 SB-1 (6-10)	Total	Soil	EPA 3550B	

## Metals

### Analysis Batch: 11L2841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2841-BLK1	Method Blank	Dissolved	Water	SW846 6010C	11L2841_P
11L2841-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	11L2841_P
11L2841-MS1	Tract 22 TW-1 (16-20)	Dissolved	Water	SW846 6010C	11L2841_P
11L2841-MSD1	Tract 22 TW-1 (16-20)	Dissolved	Water	SW846 6010C	11L2841_P
NVL1567-03	Tract 22 TW-1 (16-20)	Dissolved	Ground Water	SW846 6010C	11L2841_P
NVL1567-06	Tract 57 TW-1 (8-12)	Dissolved	Ground Water	SW846 6010C	11L2841_P

### Analysis Batch: 11L2842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2842-BLK1	Method Blank	Total	Water	SW846 6010C	11L2842_P
11L2842-BS1	Lab Control Sample	Total	Water	SW846 6010C	11L2842_P
11L2842-BSD1	Lab Control Sample Dup	Total	Water	SW846 6010C	11L2842_P
11L2842-MS1	Matrix Spike	Total	Water	SW846 6010C	11L2842_P
11L2842-MSD1	Matrix Spike Duplicate	Total	Water	SW846 6010C	11L2842_P
NVL1567-03	Tract 22 TW-1 (16-20)	Total	Ground Water	SW846 6010C	11L2842_P
NVL1567-06	Tract 57 TW-1 (8-12)	Total	Ground Water	SW846 6010C	11L2842_P



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Metals (Continued)

### Analysis Batch: 11L2851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL1567-01	Tract 22 SB-1 (0-2)	Total	Soil	SW846 6010C	11L2851_P
NVL1567-02	Tract 22 SB-1 (4-8)	Total	Soil	SW846 6010C	11L2851_P
NVL1567-04	Tract 57 SB-1 (0-2)	Total	Soil	SW846 6010C	11L2851_P
NVL1567-05	Tract 57 SB-1 (6-10)	Total	Soil	SW846 6010C	11L2851_P

### Analysis Batch: 11L2881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2881-BLK1	Method Blank	Dissolved	Water	SW846 7470A	11L2881_P
11L2881-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	11L2881_P
11L2881-BSD1	Lab Control Sample Dup	Dissolved	Water	SW846 7470A	11L2881_P
11L2881-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	11L2881_P
11L2881-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	11L2881_P
NVL1567-03	Tract 22 TW-1 (16-20)	Dissolved	Ground Water	SW846 7470A	11L2881_P
NVL1567-06	Tract 57 TW-1 (8-12)	Dissolved	Ground Water	SW846 7470A	11L2881_P

### Analysis Batch: 11L2903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2903-BLK1	Method Blank	Total	Soil	SW846 7471B	11L2903_P
11L2903-BS1	Lab Control Sample	Total	Soil	SW846 7471B	11L2903_P
11L2903-BSD1	Lab Control Sample Dup	Total	Soil	SW846 7471B	11L2903_P
11L2903-MS1	Matrix Spike	Total	Soil	SW846 7471B	11L2903_P
11L2903-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	11L2903_P
NVL1567-01	Tract 22 SB-1 (0-2)	Total	Soil	SW846 7471B	11L2903_P
NVL1567-02	Tract 22 SB-1 (4-8)	Total	Soil	SW846 7471B	11L2903_P
NVL1567-04	Tract 57 SB-1 (0-2)	Total	Soil	SW846 7471B	11L2903_P
NVL1567-05	Tract 57 SB-1 (6-10)	Total	Soil	SW846 7471B	11L2903_P

### Analysis Batch: 11L3402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3402-BLK1	Method Blank	Total	Water	SW846 7470A	11L3402_P
11L3402-BS1	Lab Control Sample	Total	Water	SW846 7470A	11L3402_P
11L3402-MS1	Tract 22 TW-1 (16-20)	Total	Water	SW846 7470A	11L3402_P
11L3402-MSD1	Tract 22 TW-1 (16-20)	Total	Water	SW846 7470A	11L3402_P
NVL1567-03	Tract 22 TW-1 (16-20)	Total	Ground Water	SW846 7470A	11L3402_P
NVL1567-06	Tract 57 TW-1 (8-12)	Total	Ground Water	SW846 7470A	11L3402_P

### Analysis Batch: U021783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2851-BLK1	Method Blank	Total	Soil	SW846 6010C	11L2851_P
11L2851-BS1	Lab Control Sample	Total	Soil	SW846 6010C	11L2851_P
11L2851-MS1	Matrix Spike	Total	Soil	SW846 6010C	11L2851_P
11L2851-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 6010C	11L2851_P

### Prep Batch: 11L2841\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2841-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11L2841-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11L2841-MS1	Tract 22 TW-1 (16-20)	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11L2841-MSD1	Tract 22 TW-1 (16-20)	Dissolved	Water	EPA 3010A / 6010 Dissolved	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Metals (Continued)

### Prep Batch: 11L2841\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL1567-03	Tract 22 TW-1 (16-20)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NVL1567-06	Tract 57 TW-1 (8-12)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

### Prep Batch: 11L2842\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2842-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
11L2842-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
11L2842-BSD1	Lab Control Sample Dup	Total	Water	EPA 3010A / 6010	
11L2842-MS1	Matrix Spike	Total	Water	EPA 3010A / 6010	
11L2842-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3010A / 6010	
NVL1567-03	Tract 22 TW-1 (16-20)	Total	Ground Water	EPA 3010A / 6010	
NVL1567-06	Tract 57 TW-1 (8-12)	Total	Ground Water	EPA 3010A / 6010	

### Prep Batch: 11L2851\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2851-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
11L2851-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
11L2851-MS1	Matrix Spike	Total	Soil	EPA 3051A/6010	
11L2851-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3051A/6010	
NVL1567-01	Tract 22 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NVL1567-02	Tract 22 SB-1 (4-8)	Total	Soil	EPA 3051A/6010	
NVL1567-04	Tract 57 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NVL1567-05	Tract 57 SB-1 (6-10)	Total	Soil	EPA 3051A/6010	

### Prep Batch: 11L2881\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2881-BLK1	Method Blank	Dissolved	Water	EPA 7470	
11L2881-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
11L2881-BSD1	Lab Control Sample Dup	Dissolved	Water	EPA 7470	
11L2881-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
11L2881-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	
NVL1567-03	Tract 22 TW-1 (16-20)	Dissolved	Ground Water	EPA 7470	
NVL1567-06	Tract 57 TW-1 (8-12)	Dissolved	Ground Water	EPA 7470	

### Prep Batch: 11L2903\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2903-BLK1	Method Blank	Total	Soil	EPA 7471	
11L2903-BS1	Lab Control Sample	Total	Soil	EPA 7471	
11L2903-BSD1	Lab Control Sample Dup	Total	Soil	EPA 7471	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Metals (Continued)

### Prep Batch: 11L2903\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2903-MS1	Matrix Spike	Total	Soil	EPA 7471	
11L2903-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NVL1567-01	Tract 22 SB-1 (0-2)	Total	Soil	EPA 7471	
NVL1567-02	Tract 22 SB-1 (4-8)	Total	Soil	EPA 7471	
NVL1567-04	Tract 57 SB-1 (0-2)	Total	Soil	EPA 7471	
NVL1567-05	Tract 57 SB-1 (6-10)	Total	Soil	EPA 7471	

### Prep Batch: 11L3402\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3402-BLK1	Method Blank	Total	Water	EPA 7470	
11L3402-BS1	Lab Control Sample	Total	Water	EPA 7470	
11L3402-MS1	Tract 22 TW-1 (16-20)	Total	Water	EPA 7470	
11L3402-MSD1	Tract 22 TW-1 (16-20)	Total	Water	EPA 7470	
NVL1567-03	Tract 22 TW-1 (16-20)	Total	Ground Water	EPA 7470	
NVL1567-06	Tract 57 TW-1 (8-12)	Total	Ground Water	EPA 7470	

## Extractions

### Analysis Batch: 11L4796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4796-DUP1	Tract 57 SB-1 (0-2)	Total	Soil	SW-846	11L4796_P
NVL1567-04	Tract 57 SB-1 (0-2)	Total	Soil	SW-846	11L4796_P
NVL1567-05	Tract 57 SB-1 (6-10)	Total	Soil	SW-846	11L4796_P

### Analysis Batch: 11L4799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4799-DUP1	Duplicate	Total	Soil	SW-846	11L4799_P
NVL1567-01	Tract 22 SB-1 (0-2)	Total	Soil	SW-846	11L4799_P
NVL1567-02	Tract 22 SB-1 (4-8)	Total	Soil	SW-846	11L4799_P

### Prep Batch: 11L4796\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4796-DUP1	Tract 57 SB-1 (0-2)	Total	Soil	% Solids	
NVL1567-04	Tract 57 SB-1 (0-2)	Total	Soil	% Solids	
NVL1567-05	Tract 57 SB-1 (6-10)	Total	Soil	% Solids	

### Prep Batch: 11L4799\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4799-DUP1	Duplicate	Total	Soil	% Solids	
NVL1567-01	Tract 22 SB-1 (0-2)	Total	Soil	% Solids	
NVL1567-02	Tract 22 SB-1 (4-8)	Total	Soil	% Solids	

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Client Sample ID: Tract 22 SB-1 (0-2)

## Lab Sample ID: NVL1567-01

Date Collected: 12/08/11 11:45

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 73.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.865	11L3171_P	12/08/11 11:45	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021987	12/14/11 01:18	KXC	TAL NSH
Total	Prep	EPA 3550B		0.969	11L2985_P	12/14/11 07:46	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2985	12/14/11 19:37	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.960	11L2851_P	12/12/11 06:30	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11L2851	12/12/11 15:35	LTB	TAL NSH
Total	Prep	EPA 7471		1.0	11L2903_P	12/12/11 13:50	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11L2903	12/14/11 13:57	LTB	TAL NSH
Total	Prep	% Solids		1.00	11L4799_P	12/19/11 14:41	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L4799	12/20/11 10:38	RRS	TAL NSH

## Client Sample ID: Tract 22 SB-1 (4-8)

## Lab Sample ID: NVL1567-02

Date Collected: 12/08/11 12:00

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 74.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.855	11L3171_P	12/08/11 12:00	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021987	12/14/11 01:48	KXC	TAL NSH
Total	Prep	EPA 3550B		0.987	11L2985_P	12/14/11 07:46	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2985	12/14/11 19:59	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.954	11L2851_P	12/12/11 06:30	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11L2851	12/12/11 15:38	LTB	TAL NSH
Total	Prep	EPA 7471		0.98	11L2903_P	12/12/11 13:50	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11L2903	12/14/11 14:06	LTB	TAL NSH
Total	Prep	% Solids		1.00	11L4799_P	12/19/11 14:41	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L4799	12/20/11 10:38	RRS	TAL NSH

## Client Sample ID: Tract 22 TW-1 (16-20)

## Lab Sample ID: NVL1567-03

Date Collected: 12/09/11 12:30

Matrix: Ground Water

Date Received: 12/10/11 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L3157_P	12/13/11 10:04	EML	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021853	12/13/11 15:36	EML	TAL NSH
Total	Prep	EPA 3510C		0.952	11L2806_P	12/13/11 09:40	AMJ	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2806	12/13/11 19:09	KJP	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11L2841_P	12/13/11 12:10	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	11L2841	12/16/11 05:43	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	11L2842_P	12/13/11 12:10	ALJ	TAL NSH
Total	Analysis	SW846 6010C		10.0	11L2842	12/16/11 12:42	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11L2881_P	12/12/11 13:55	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11L2881	12/13/11 10:59	DEB	TAL NSH
Total	Prep	EPA 7470		1.00	11L3402_P	12/14/11 14:42	LTB	TAL NSH
Total	Analysis	SW846 7470A		1.00	11L3402	12/15/11 09:43	DEB	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

## Client Sample ID: Tract 57 SB-1 (0-2)

Lab Sample ID: NVL1567-04

Date Collected: 12/08/11 15:45

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.952	11L3171_P	12/08/11 15:45	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021987	12/14/11 02:17	KXC	TAL NSH
Total	Prep	EPA 3550B		0.984	11L2985_P	12/14/11 07:46	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2985	12/14/11 20:21	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.971	11L2851_P	12/12/11 06:30	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11L2851	12/12/11 15:42	LTB	TAL NSH
Total	Prep	EPA 7471		0.99	11L2903_P	12/12/11 13:50	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11L2903	12/14/11 14:08	LTB	TAL NSH
Total	Prep	% Solids		1.00	11L4796_P	12/19/11 10:45	MAH	TAL NSH
Total	Analysis	SW-846		1.00	11L4796	12/20/11 10:33	RRS	TAL NSH

## Client Sample ID: Tract 57 SB-1 (6-10)

Lab Sample ID: NVL1567-05

Date Collected: 12/08/11 16:30

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.829	11L3171_P	12/08/11 16:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021987	12/14/11 02:47	KXC	TAL NSH
Total	Prep	EPA 3550B		0.996	11L2985_P	12/14/11 07:46	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2985	12/14/11 20:42	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.963	11L2851_P	12/12/11 06:30	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11L2851	12/12/11 15:45	LTB	TAL NSH
Total	Prep	EPA 7471		1.0	11L2903_P	12/12/11 13:50	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11L2903	12/14/11 13:57	MB	TAL NSH
Total	Prep	% Solids		1.00	11L4796_P	12/19/11 10:45	MAH	TAL NSH
Total	Analysis	SW-846		1.00	11L4796	12/20/11 10:33	RRS	TAL NSH

## Client Sample ID: Tract 57 TW-1 (8-12)

Lab Sample ID: NVL1567-06

Date Collected: 12/09/11 16:50

Matrix: Ground Water

Date Received: 12/10/11 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L3157_P	12/13/11 10:04	EML	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021853	12/13/11 16:03	EML	TAL NSH
Total	Prep	EPA 3510C		0.971	11L2806_P	12/13/11 09:40	AMJ	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2806	12/13/11 19:28	KJP	TAL NSH
Dissolved	Prep	EPA 3010A / 6010		1.00	11L2841_P	12/13/11 12:10	ALJ	TAL NSH
Dissolved	Analysis	Dissolved SW846 6010C		1.00	11L2841	12/16/11 05:53	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	11L2842_P	12/13/11 12:10	ALJ	TAL NSH
Total	Analysis	SW846 6010C		10.0	11L2842	12/16/11 12:45	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11L2881_P	12/12/11 13:55	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11L2881	12/13/11 11:01	DEB	TAL NSH
Total	Prep	EPA 7470		1.00	11L3402_P	12/14/11 14:42	LTB	TAL NSH
Total	Analysis	SW846 7470A		1.00	11L3402	12/15/11 09:51	DEB	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

**Client Sample ID: Trip Blank**

**Lab Sample ID: NVL1567-07**

**Date Collected: 12/09/11 00:01**

**Matrix: Water**

**Date Received: 12/10/11 08:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L3157_P	12/13/11 10:04	EML	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021853	12/13/11 14:13	EML	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Certification Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1567

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.





NVL1567

Cooler Received/Opened On 12/10/2011 @ 0815

1. Tracking # 4172 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 0.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO.. NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: (2) Front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers: YES NO and Intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO... NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO... NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO... NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

21. Were there Non-Conformance issues at login? YES.. NO Was a PIPE generated? YES.. NO..#

COOLER RECEIPT FORM

Cooler Received/Opened On 12/10/2011 @ 0815

1. Tracking # 4117 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 1.8 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? 2 Front YES..NO...NA

If yes, how many and where: \_\_\_\_\_

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) F

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO..NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) F

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) F

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) F

I certify that I attached a label with the unique LIMS number to each container (initial) F

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO..#



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NVL1571  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
12/22/2011 2:31:25 PM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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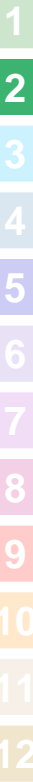
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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NVL1571-01	Tract 45 SB-1 (0-2)	Soil	12/09/11 09:20	12/10/11 08:15
NVL1571-02	Tract 45 SB-1 (14-18)	Soil	12/09/11 11:00	12/10/11 08:15
NVL1571-03	Tract 45 TW-1 (17-21)	Ground Water	12/09/11 11:15	12/10/11 08:15
NVL1571-04	Trip Blank	Water	12/09/11 00:01	12/10/11 08:15

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# Case Narrative

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

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**Job ID: NVL1571**

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**Laboratory: TestAmerica Nashville**

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**Narrative**

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REVISED REPORT: 12/22/11 KAH - To include COC. This report replaces the one generated on 12/22/11 @ 1336.

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# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GCMS Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M4	The MS/MSD required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
P7	Sample filtered in lab.
B1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

**Client Sample ID: Tract 45 SB-1 (0-2)**

**Lab Sample ID: NVL1571-01**

**Date Collected: 12/09/11 09:20**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 88.8**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0327	J	0.0588	0.0294	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Benzene	<0.00129		0.00235	0.00129	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Bromochloromethane	<0.00141		0.00235	0.00141	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Bromodichloromethane	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Bromoform	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Bromomethane	<0.00141		0.00235	0.00141	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
2-Butanone	<0.0294		0.0588	0.0294	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Carbon disulfide	<0.00423		0.00588	0.00423	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Carbon Tetrachloride	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Chlorobenzene	<0.00129		0.00235	0.00129	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Chlorodibromomethane	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Chloroethane	<0.00294		0.00588	0.00294	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Chloroform	<0.00153		0.00235	0.00153	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Chloromethane	<0.00129		0.00235	0.00129	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Cyclohexane	<0.00588		0.0118	0.00588	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,2-Dibromo-3-chloropropane	<0.00294		0.00588	0.00294	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,2-Dibromoethane (EDB)	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Methylcyclohexane	<0.00588		0.0118	0.00588	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,2-Dichlorobenzene	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,3-Dichlorobenzene	<0.00141		0.00235	0.00141	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,4-Dichlorobenzene	<0.00129		0.00235	0.00129	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Dichlorodifluoromethane	<0.00165		0.00235	0.00165	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,2-Dichloroethane	<0.00129		0.00235	0.00129	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,1-Dichloroethane	<0.00153		0.00235	0.00153	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,1-Dichloroethene	<0.00141		0.00235	0.00141	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
trans-1,2-Dichloroethene	<0.00153		0.00235	0.00153	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,1,2-Trifluorotrichloroethane	<0.00129		0.00235	0.00129	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
cis-1,2-Dichloroethene	<0.00129		0.00235	0.00129	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,2-Dichloropropane	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
trans-1,3-Dichloropropene	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
cis-1,3-Dichloropropene	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Ethylbenzene	<0.00129		0.00235	0.00129	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
2-Hexanone	<0.0294		0.0588	0.0294	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Isopropylbenzene	<0.00129		0.00235	0.00129	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Methyl Acetate	<0.00588	L	0.0118	0.00588	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Methyl tert-Butyl Ether	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Methylene Chloride	<0.00588		0.0118	0.00588	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
4-Methyl-2-pentanone	<0.0294		0.0588	0.0294	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Styrene	<0.00129		0.00235	0.00129	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,1,2,2-Tetrachloroethane	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Tetrachloroethene	<0.00153		0.00235	0.00153	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Toluene	<0.00129		0.00235	0.00129	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,2,4-Trichlorobenzene	<0.00141	L	0.00235	0.00141	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,2,3-Trichlorobenzene	<0.00129	L	0.00235	0.00129	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,1,1-Trichloroethane	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
1,1,2-Trichloroethane	<0.00294		0.00588	0.00294	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Trichloroethene	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Trichlorofluoromethane	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Vinyl chloride	<0.00118		0.00235	0.00118	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00
Xylenes, total	<0.00294		0.00588	0.00294	mg/kg dry	☼	12/09/11 09:20	12/19/11 19:21	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

**Client Sample ID: Tract 45 SB-1 (0-2)**

**Lab Sample ID: NVL1571-01**

**Date Collected: 12/09/11 09:20**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 88.8**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	96		70 - 130	12/09/11 09:20	12/19/11 19:21	1.00
Dibromofluoromethane	100		70 - 130	12/09/11 09:20	12/19/11 19:21	1.00
Toluene-d8	101		70 - 130	12/09/11 09:20	12/19/11 19:21	1.00
4-Bromofluorobenzene	106		70 - 130	12/09/11 09:20	12/19/11 19:21	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Acenaphthylene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Anthracene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Benzo (a) anthracene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Benzo (a) pyrene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Benzo (b) fluoranthene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Benzo (g,h,i) perylene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Benzo (k) fluoranthene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
4-Bromophenyl phenyl ether	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Butyl benzyl phthalate	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Carbazole	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
4-Chloro-3-methylphenol	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
4-Chloroaniline	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Bis(2-chloroethoxy)methane	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Bis(2-chloroethyl)ether	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Bis(2-chloroisopropyl)ether	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2-Chloronaphthalene	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2-Chlorophenol	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
4-Chlorophenyl phenyl ether	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Chrysene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Dibenz (a,h) anthracene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Dibenzofuran	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Di-n-butyl phthalate	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
1,4-Dichlorobenzene	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
1,2-Dichlorobenzene	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
1,3-Dichlorobenzene	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
3,3-Dichlorobenzidine	<0.185		0.738	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2,4-Dichlorophenol	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Diethyl phthalate	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2,4-Dimethylphenol	<0.212		0.368	0.212	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Dimethyl phthalate	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
4,6-Dinitro-2-methylphenol	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2,4-Dinitrophenol	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2,6-Dinitrotoluene	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2,4-Dinitrotoluene	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Di-n-octyl phthalate	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Bis(2-ethylhexyl)phthalate	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Fluoranthene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Fluorene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Hexachlorobenzene	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Hexachlorobutadiene	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Hexachlorocyclopentadiene	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Hexachloroethane	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Indeno (1,2,3-cd) pyrene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

**Client Sample ID: Tract 45 SB-1 (0-2)**

**Lab Sample ID: NVL1571-01**

**Date Collected: 12/09/11 09:20**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 88.8**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2-Methylnaphthalene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2-Methylphenol	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
3/4-Methylphenol	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Naphthalene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
3-Nitroaniline	<0.185		0.922	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2-Nitroaniline	<0.185		0.922	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
4-Nitroaniline	<0.185		0.922	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Nitrobenzene	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
4-Nitrophenol	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2-Nitrophenol	<0.217		0.368	0.217	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
N-Nitrosodiphenylamine	<0.202		0.368	0.202	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
N-Nitrosodi-n-propylamine	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Pentachlorophenol	<0.185		0.922	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Phenanthrene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Phenol	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
Pyrene	<0.0376		0.0741	0.0376	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
1,2,4-Trichlorobenzene	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2,4,6-Trichlorophenol	<0.185		0.368	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00
2,4,5-Trichlorophenol	<0.185		0.922	0.185	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:04	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	77		18 - 120	12/14/11 07:46	12/14/11 21:04	1.00
2,4,6-Tribromophenol	57		19 - 120	12/14/11 07:46	12/14/11 21:04	1.00
Phenol-d5	63		18 - 120	12/14/11 07:46	12/14/11 21:04	1.00
2-Fluorobiphenyl	61		14 - 120	12/14/11 07:46	12/14/11 21:04	1.00
2-Fluorophenol	60		17 - 120	12/14/11 07:46	12/14/11 21:04	1.00
Nitrobenzene-d5	59		17 - 120	12/14/11 07:46	12/14/11 21:04	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>10500</b>		21.5	10.8	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
Antimony	<5.38		10.8	5.38	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
<b>Arsenic</b>	<b>4.65</b>		1.08	0.538	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
<b>Barium</b>	<b>24.8</b>		2.15	1.08	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
Beryllium	<0.538		1.08	0.538	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
Cadmium	<0.538		1.08	0.538	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
<b>Calcium</b>	<b>971</b>		108	53.8	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
<b>Chromium</b>	<b>9.02</b>		1.08	0.538	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
Cobalt	<1.62		3.23	1.62	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
<b>Copper</b>	<b>6.16</b>		2.15	1.08	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
<b>Iron</b>	<b>5650</b>		10.8	5.38	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
<b>Lead</b>	<b>57.1</b>		1.08	0.538	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
<b>Magnesium</b>	<b>406</b>		108	53.8	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
<b>Manganese</b>	<b>42.6</b>		3.23	1.62	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
<b>Nickel</b>	<b>2.86</b>		2.15	1.08	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
<b>Potassium</b>	<b>275</b>		108	53.8	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
Selenium	<1.08		2.15	1.08	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
Silver	<0.538		1.08	0.538	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
Sodium	<108		215	108	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
Thallium	<1.08		2.15	1.08	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Client Sample ID: Tract 45 SB-1 (0-2)

Lab Sample ID: NVL1571-01

Date Collected: 12/09/11 09:20

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 88.8

### Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	12.8		10.8	5.38	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00
Zinc	18.0		10.8	5.38	mg/kg dry	☼	12/12/11 06:30	12/12/11 15:58	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.060	J	0.11	0.055	mg/kg dry	☼	12/12/11 14:20	12/16/11 11:19	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	88.8		0.500	0.500	%		12/19/11 10:45	12/20/11 10:33	1.00

## Client Sample ID: Tract 45 SB-1 (14-18)

Lab Sample ID: NVL1571-02

Date Collected: 12/09/11 11:00

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 63.4

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.263		0.114	0.0572	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Benzene	<0.00252		0.00457	0.00252	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Bromochloromethane	<0.00274		0.00457	0.00274	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Bromodichloromethane	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Bromoform	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Bromomethane	<0.00274		0.00457	0.00274	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
2-Butanone	<0.0572		0.114	0.0572	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Carbon disulfide	0.0451		0.0114	0.00823	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Carbon Tetrachloride	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Chlorobenzene	<0.00252		0.00457	0.00252	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Chlorodibromomethane	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Chloroethane	<0.00572		0.0114	0.00572	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Chloroform	<0.00297		0.00457	0.00297	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Chloromethane	<0.00252		0.00457	0.00252	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Cyclohexane	<0.0114		0.0229	0.0114	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,2-Dibromo-3-chloropropane	<0.00572		0.0114	0.00572	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,2-Dibromoethane (EDB)	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Methylcyclohexane	<0.0114		0.0229	0.0114	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,2-Dichlorobenzene	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,3-Dichlorobenzene	<0.00274		0.00457	0.00274	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,4-Dichlorobenzene	<0.00252		0.00457	0.00252	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Dichlorodifluoromethane	<0.00320		0.00457	0.00320	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,2-Dichloroethane	<0.00252		0.00457	0.00252	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,1-Dichloroethane	<0.00297		0.00457	0.00297	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,1-Dichloroethene	<0.00274		0.00457	0.00274	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
trans-1,2-Dichloroethene	<0.00297		0.00457	0.00297	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,1,2-Trifluoroethane	<0.00252		0.00457	0.00252	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
cis-1,2-Dichloroethene	<0.00252		0.00457	0.00252	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,2-Dichloropropane	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
trans-1,3-Dichloropropene	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
cis-1,3-Dichloropropene	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Ethylbenzene	<0.00252		0.00457	0.00252	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
2-Hexanone	<0.0572		0.114	0.0572	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

**Client Sample ID: Tract 45 SB-1 (14-18)**

**Lab Sample ID: NVL1571-02**

**Date Collected: 12/09/11 11:00**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 63.4**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	<0.00252		0.00457	0.00252	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Methyl Acetate	<0.0114	L	0.0229	0.0114	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Methyl tert-Butyl Ether	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Methylene Chloride	<0.0114		0.0229	0.0114	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
4-Methyl-2-pentanone	<0.0572		0.114	0.0572	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Styrene	<0.00252		0.00457	0.00252	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,1,2,2-Tetrachloroethane	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Tetrachloroethene	<0.00297		0.00457	0.00297	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Toluene	<0.00252		0.00457	0.00252	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,2,4-Trichlorobenzene	<0.00274	L	0.00457	0.00274	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,2,3-Trichlorobenzene	<0.00252	L	0.00457	0.00252	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,1,1-Trichloroethane	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
1,1,2-Trichloroethane	<0.00572		0.0114	0.00572	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Trichloroethene	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Trichlorofluoromethane	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Vinyl chloride	<0.00229		0.00457	0.00229	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00
Xylenes, total	<0.00572		0.0114	0.00572	mg/kg dry	☼	12/09/11 11:00	12/19/11 19:49	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130	12/09/11 11:00	12/19/11 19:49	1.00
Dibromofluoromethane	99		70 - 130	12/09/11 11:00	12/19/11 19:49	1.00
Toluene-d8	99		70 - 130	12/09/11 11:00	12/19/11 19:49	1.00
4-Bromofluorobenzene	104		70 - 130	12/09/11 11:00	12/19/11 19:49	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Acenaphthylene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Anthracene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Benzo (a) anthracene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Benzo (a) pyrene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Benzo (b) fluoranthene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Benzo (g,h,i) perylene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Benzo (k) fluoranthene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
4-Bromophenyl phenyl ether	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Butyl benzyl phthalate	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Carbazole	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
4-Chloro-3-methylphenol	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
4-Chloroaniline	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Bis(2-chloroethoxy)methane	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Bis(2-chloroethyl)ether	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Bis(2-chloroisopropyl)ether	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2-Chloronaphthalene	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2-Chlorophenol	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
4-Chlorophenyl phenyl ether	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Chrysene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Dibenz (a,h) anthracene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Dibenzofuran	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Di-n-butyl phthalate	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
1,4-Dichlorobenzene	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
1,2-Dichlorobenzene	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

**Client Sample ID: Tract 45 SB-1 (14-18)**

**Lab Sample ID: NVL1571-02**

**Date Collected: 12/09/11 11:00**

**Matrix: Soil**

**Date Received: 12/10/11 08:15**

**Percent Solids: 63.4**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
3,3-Dichlorobenzidine	<0.259		1.03	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2,4-Dichlorophenol	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Diethyl phthalate	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2,4-Dimethylphenol	<0.298		0.516	0.298	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Dimethyl phthalate	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
4,6-Dinitro-2-methylphenol	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2,4-Dinitrophenol	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2,6-Dinitrotoluene	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2,4-Dinitrotoluene	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Di-n-octyl phthalate	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Bis(2-ethylhexyl)phthalate	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Fluoranthene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Fluorene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Hexachlorobenzene	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Hexachlorobutadiene	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Hexachlorocyclopentadiene	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Hexachloroethane	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Indeno (1,2,3-cd) pyrene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Isophorone	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2-Methylnaphthalene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2-Methylphenol	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
3/4-Methylphenol	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
<b>Naphthalene</b>	<b>0.140</b>		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
3-Nitroaniline	<0.259		1.29	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2-Nitroaniline	<0.259		1.29	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
4-Nitroaniline	<0.259		1.29	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Nitrobenzene	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
4-Nitrophenol	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2-Nitrophenol	<0.304		0.516	0.304	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
N-Nitrosodiphenylamine	<0.284		0.516	0.284	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
N-Nitrosodi-n-propylamine	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Pentachlorophenol	<0.259		1.29	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Phenanthrene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Phenol	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
Pyrene	<0.0527		0.104	0.0527	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
1,2,4-Trichlorobenzene	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2,4,6-Trichlorophenol	<0.259		0.516	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00
2,4,5-Trichlorophenol	<0.259		1.29	0.259	mg/kg dry	☼	12/14/11 07:46	12/14/11 21:25	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	75		18 - 120	12/14/11 07:46	12/14/11 21:25	1.00
2,4,6-Tribromophenol	55		19 - 120	12/14/11 07:46	12/14/11 21:25	1.00
Phenol-d5	55		18 - 120	12/14/11 07:46	12/14/11 21:25	1.00
2-Fluorobiphenyl	55		14 - 120	12/14/11 07:46	12/14/11 21:25	1.00
2-Fluorophenol	53		17 - 120	12/14/11 07:46	12/14/11 21:25	1.00
Nitrobenzene-d5	52		17 - 120	12/14/11 07:46	12/14/11 21:25	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>14200</b>		30.3	15.1	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

**Client Sample ID: Tract 45 SB-1 (14-18)**

**Lab Sample ID: NVL1571-02**

Date Collected: 12/09/11 11:00

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 63.4

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<7.57		15.1	7.57	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Arsenic</b>	<b>13.1</b>		1.51	0.757	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Barium</b>	<b>31.8</b>		3.03	1.51	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
Beryllium	<0.757		1.51	0.757	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
Cadmium	<0.757		1.51	0.757	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Calcium</b>	<b>68900</b>		151	75.7	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Chromium</b>	<b>22.3</b>		1.51	0.757	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Cobalt</b>	<b>4.21</b>	J	4.54	2.27	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Copper</b>	<b>2.42</b>	J	3.03	1.51	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Iron</b>	<b>17700</b>		15.1	7.57	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Lead</b>	<b>7.76</b>		1.51	0.757	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Magnesium</b>	<b>3710</b>		151	75.7	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Manganese</b>	<b>191</b>		4.54	2.27	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Nickel</b>	<b>5.54</b>		3.03	1.51	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Potassium</b>	<b>1450</b>		151	75.7	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
Selenium	<1.51		3.03	1.51	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
Silver	<0.757		1.51	0.757	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Sodium</b>	<b>820</b>		303	151	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
Thallium	<1.51		3.03	1.51	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Vanadium</b>	<b>31.5</b>		15.1	7.57	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00
<b>Zinc</b>	<b>25.8</b>		15.1	7.57	mg/kg dry	☼	12/12/11 06:30	12/12/11 16:01	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.16	0.079	mg/kg dry	☼	12/12/11 14:20	12/16/11 11:21	1.0

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	<b>63.4</b>		0.500	0.500	%		12/19/11 10:45	12/20/11 10:33	1.00

**Client Sample ID: Tract 45 TW-1 (17-21)**

**Lab Sample ID: NVL1571-03**

Date Collected: 12/09/11 11:15

Matrix: Ground Water

Date Received: 12/10/11 08:15

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
<b>Benzene</b>	<b>0.540</b>	J	1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Bromoform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Chloroform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

**Client Sample ID: Tract 45 TW-1 (17-21)**

**Lab Sample ID: NVL1571-03**

**Date Collected: 12/09/11 11:15**

**Matrix: Ground Water**

**Date Received: 12/10/11 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Styrene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Toluene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 15:08	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		12/13/11 10:04	12/13/11 15:08	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	94		70 - 130	12/13/11 10:04	12/13/11 15:08	1.00
Dibromofluoromethane	97		70 - 130	12/13/11 10:04	12/13/11 15:08	1.00
Toluene-d8	101		70 - 130	12/13/11 10:04	12/13/11 15:08	1.00
4-Bromofluorobenzene	96		70 - 130	12/13/11 10:04	12/13/11 15:08	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Acenaphthylene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Anthracene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Benzo (a) anthracene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Benzo (a) pyrene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Benzo (b) fluoranthene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

**Client Sample ID: Tract 45 TW-1 (17-21)**

**Lab Sample ID: NVL1571-03**

**Date Collected: 12/09/11 11:15**

**Matrix: Ground Water**

**Date Received: 12/10/11 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo (g,h,i) perylene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Benzo (k) fluoranthene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
4-Bromophenyl phenyl ether	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Butyl benzyl phthalate	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Carbazole	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
4-Chloro-3-methylphenol	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
4-Chloroaniline	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Bis(2-chloroethoxy)methane	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Bis(2-chloroethyl)ether	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Bis(2-chloroisopropyl)ether	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2-Chloronaphthalene	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2-Chlorophenol	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
4-Chlorophenyl phenyl ether	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Chrysene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Dibenz (a,h) anthracene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Dibenzofuran	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Di-n-butyl phthalate	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
1,4-Dichlorobenzene	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
1,2-Dichlorobenzene	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
1,3-Dichlorobenzene	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
3,3-Dichlorobenzidine	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2,4-Dichlorophenol	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Diethyl phthalate	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2,4-Dimethylphenol	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Dimethyl phthalate	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
4,6-Dinitro-2-methylphenol	<12.3		23.6	12.3	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2,4-Dinitrophenol	<12.3		23.6	12.3	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2,6-Dinitrotoluene	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2,4-Dinitrotoluene	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Di-n-octyl phthalate	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Bis(2-ethylhexyl)phthalate	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Fluoranthene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Fluorene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Hexachlorobenzene	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Hexachlorobutadiene	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Hexachlorocyclopentadiene	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Hexachloroethane	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Indeno (1,2,3-cd) pyrene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Isophorone	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2-Methylnaphthalene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2-Methylphenol	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
<b>Naphthalene</b>	<b>15.9</b>		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
3/4-Methylphenol	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
3-Nitroaniline	<12.3		23.6	12.3	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2-Nitroaniline	<12.3		23.6	12.3	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
4-Nitroaniline	<12.3		23.6	12.3	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Nitrobenzene	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
4-Nitrophenol	<4.72		23.6	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2-Nitrophenol	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
N-Nitrosodiphenylamine	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

**Client Sample ID: Tract 45 TW-1 (17-21)**

**Lab Sample ID: NVL1571-03**

**Date Collected: 12/09/11 11:15**

**Matrix: Ground Water**

**Date Received: 12/10/11 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Pentachlorophenol	<12.3		23.6	12.3	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Phenanthrene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Phenol	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
Pyrene	<0.943		1.89	0.943	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
1,2,4-Trichlorobenzene	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2,4,6-Trichlorophenol	<4.72		9.43	4.72	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
2,4,5-Trichlorophenol	<12.3		23.6	12.3	ug/L		12/13/11 09:40	12/13/11 19:46	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Terphenyl-d14	21		13 - 120				12/13/11 09:40	12/13/11 19:46	1.00
2,4,6-Tribromophenol	29		10 - 120				12/13/11 09:40	12/13/11 19:46	1.00
Phenol-d5	12		10 - 120				12/13/11 09:40	12/13/11 19:46	1.00
2-Fluorobiphenyl	27	ZX	29 - 120				12/13/11 09:40	12/13/11 19:46	1.00
2-Fluorophenol	19		10 - 120				12/13/11 09:40	12/13/11 19:46	1.00
Nitrobenzene-d5	30		27 - 120				12/13/11 09:40	12/13/11 19:46	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.500	P7	1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Antimony	<0.0500	P7	0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Arsenic	<0.0500	P7	0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Barium	<0.0500	P7	0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Beryllium	<0.0200	P7	0.0400	0.0200	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Cadmium	<0.00600	P7	0.0100	0.00600	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
<b>Calcium</b>	<b>64.0</b>	<b>P7</b>	10.0	5.00	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Chromium	<0.0250	P7	0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Cobalt	<0.100	P7	0.200	0.100	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Copper	<0.0500	P7	0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Iron	<0.250	P7	0.500	0.250	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Lead	<0.0250	P7	0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Magnesium	<5.00	P7	10.0	5.00	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
<b>Manganese</b>	<b>0.0920</b>	<b>P7 J</b>	0.150	0.0750	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Nickel	<0.0500	P7	0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Potassium	<5.00	P7	10.0	5.00	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Selenium	<0.0500	P7	0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Silver	<0.0250	P7	0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
<b>Sodium</b>	<b>20.8</b>	<b>P7</b>	10.0	5.00	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Thallium	<0.0500	P7	0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Vanadium	<0.100	P7	0.200	0.100	mg/L		12/13/11 12:10	12/16/11 05:56	1.00
Zinc	<0.250	P7	0.500	0.250	mg/L		12/13/11 12:10	12/16/11 05:56	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>99.8</b>		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
Antimony	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Arsenic</b>	<b>0.169</b>		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Barium</b>	<b>0.514</b>		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
Beryllium	<0.0200		0.0400	0.0200	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Cadmium</b>	<b>0.0350</b>		0.0100	0.00600	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Calcium</b>	<b>605</b>		10.0	5.00	mg/L		12/13/11 12:10	12/16/11 12:49	10.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

**Client Sample ID: Tract 45 TW-1 (17-21)**

**Lab Sample ID: NVL1571-03**

Date Collected: 12/09/11 11:15

Matrix: Ground Water

Date Received: 12/10/11 08:15

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chromium</b>	<b>0.345</b>		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
Cobalt	<0.100		0.200	0.100	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Copper</b>	<b>0.0530</b>	<b>J</b>	0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Iron</b>	<b>217</b>		0.500	0.250	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Lead</b>	<b>0.132</b>		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Magnesium</b>	<b>40.0</b>		10.0	5.00	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Manganese</b>	<b>2.86</b>		0.150	0.0750	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Nickel</b>	<b>0.141</b>		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Potassium</b>	<b>16.4</b>		10.0	5.00	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
Selenium	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
Silver	<0.0250		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Sodium</b>	<b>27.2</b>	<b>B1 B</b>	10.0	5.00	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
Thallium	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Vanadium</b>	<b>0.296</b>		0.200	0.100	mg/L		12/13/11 12:10	12/16/11 12:49	10.0
<b>Zinc</b>	<b>0.467</b>	<b>J</b>	0.500	0.250	mg/L		12/13/11 12:10	12/16/11 12:49	10.0

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		12/12/11 13:55	12/13/11 11:03	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		12/12/11 12:00	12/13/11 11:03	1.00

**Client Sample ID: Trip Blank**

**Lab Sample ID: NVL1571-04**

Date Collected: 12/09/11 00:01

Matrix: Water

Date Received: 12/10/11 08:15

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Benzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Bromoform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Chloroform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

**Client Sample ID: Trip Blank**

**Lab Sample ID: NVL1571-04**

**Date Collected: 12/09/11 00:01**

**Matrix: Water**

**Date Received: 12/10/11 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Styrene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Toluene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 14:41	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		12/13/11 10:04	12/13/11 14:41	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	91		70 - 130	12/13/11 10:04	12/13/11 14:41	1.00
Dibromofluoromethane	97		70 - 130	12/13/11 10:04	12/13/11 14:41	1.00
Toluene-d8	101		70 - 130	12/13/11 10:04	12/13/11 14:41	1.00
4-Bromofluorobenzene	98		70 - 130	12/13/11 10:04	12/13/11 14:41	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 11L3157-BLK1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Benzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Bromoform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Chloroform	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Styrene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Toluene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		12/13/11 10:04	12/13/11 12:50	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3157-BLK1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<1.50		3.00	1.50	ug/L		12/13/11 10:04	12/13/11 12:50	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	91		70 - 130	12/13/11 10:04	12/13/11 12:50	1.00
Dibromofluoromethane	97		70 - 130	12/13/11 10:04	12/13/11 12:50	1.00
Toluene-d8	102		70 - 130	12/13/11 10:04	12/13/11 12:50	1.00
4-Bromofluorobenzene	97		70 - 130	12/13/11 10:04	12/13/11 12:50	1.00

**Lab Sample ID: 11L3157-BS1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	298		ug/L		119	54 - 145
Benzene	50.0	47.0		ug/L		94	80 - 121
Bromochloromethane	50.0	46.4		ug/L		93	78 - 129
Bromodichloromethane	50.0	45.2		ug/L		90	75 - 129
Bromoform	50.0	48.6		ug/L		97	46 - 145
Bromomethane	50.0	43.6		ug/L		87	41 - 150
2-Butanone	250	254		ug/L		101	62 - 133
Carbon disulfide	50.0	50.8		ug/L		102	77 - 126
Carbon Tetrachloride	50.0	44.4		ug/L		89	64 - 147
Chlorobenzene	50.0	46.8		ug/L		94	80 - 120
Chlorodibromomethane	50.0	50.9		ug/L		102	69 - 133
Chloroethane	50.0	47.6		ug/L		95	72 - 120
Chloroform	50.0	45.7		ug/L		91	73 - 129
Chloromethane	50.0	36.8		ug/L		74	12 - 150
Cyclohexane	50.0	46.9		ug/L		94	73 - 122
1,2-Dibromo-3-chloropropane	50.0	46.4		ug/L		93	54 - 125
1,2-Dibromoethane (EDB)	50.0	48.2		ug/L		96	80 - 129
Methylcyclohexane	50.0	47.3		ug/L		95	71 - 129
1,2-Dichlorobenzene	50.0	48.5		ug/L		97	80 - 121
1,3-Dichlorobenzene	50.0	48.4		ug/L		97	80 - 122
1,4-Dichlorobenzene	50.0	48.0		ug/L		96	80 - 120
Dichlorodifluoromethane	50.0	34.1		ug/L		68	37 - 127
1,2-Dichloroethane	50.0	42.6		ug/L		85	77 - 121
1,1-Dichloroethane	50.0	42.8		ug/L		86	78 - 125
1,1-Dichloroethene	50.0	51.7		ug/L		103	79 - 124
trans-1,2-Dichloroethene	50.0	49.4		ug/L		99	79 - 126
1,1,2-Trifluoro-trichloroethane	50.0	49.2		ug/L		98	77 - 129
cis-1,2-Dichloroethene	50.0	45.3		ug/L		91	76 - 125
1,2-Dichloropropane	50.0	43.4		ug/L		87	75 - 120
trans-1,3-Dichloropropene	50.0	48.1		ug/L		96	63 - 134
cis-1,3-Dichloropropene	50.0	50.8		ug/L		102	74 - 140
Ethylbenzene	50.0	47.6		ug/L		95	80 - 130
2-Hexanone	250	277		ug/L		111	60 - 142
Isopropylbenzene	50.0	51.2		ug/L		102	80 - 141
Methyl Acetate	50.0	42.8		ug/L		86	64 - 150
Methyl tert-Butyl Ether	50.0	46.6		ug/L		93	72 - 133

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3157-BS1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	50.0	52.5		ug/L		105	79 - 123	
4-Methyl-2-pentanone	250	260		ug/L		104	60 - 137	
Styrene	50.0	49.7		ug/L		99	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	47.9		ug/L		96	69 - 131	
Tetrachloroethene	50.0	45.8		ug/L		92	80 - 126	
Toluene	50.0	47.8		ug/L		96	80 - 126	
1,2,4-Trichlorobenzene	50.0	51.0		ug/L		102	63 - 133	
1,2,3-Trichlorobenzene	50.0	48.4		ug/L		97	62 - 133	
1,1,1-Trichloroethane	50.0	44.1		ug/L		88	78 - 135	
1,1,2-Trichloroethane	50.0	48.9		ug/L		98	80 - 124	
Trichloroethene	50.0	43.8		ug/L		88	80 - 123	
Trichlorofluoromethane	50.0	39.7		ug/L		79	65 - 124	
Vinyl chloride	50.0	38.6		ug/L		77	68 - 120	
Xylenes, total	150	142		ug/L		94	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	90		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	102		70 - 130
4-Bromofluorobenzene	98		70 - 130

**Lab Sample ID: 11L3157-BSD1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Acetone	250	266		ug/L		106	54 - 145	11	21	
Benzene	50.0	48.9		ug/L		98	80 - 121	4	17	
Bromochloromethane	50.0	46.4		ug/L		93	78 - 129	0.06	17	
Bromodichloromethane	50.0	46.0		ug/L		92	75 - 129	2	18	
Bromoform	50.0	48.6		ug/L		97	46 - 145	0.1	16	
Bromomethane	50.0	45.1		ug/L		90	41 - 150	3	50	
2-Butanone	250	240		ug/L		96	62 - 133	6	19	
Carbon disulfide	50.0	53.6		ug/L		107	77 - 126	5	21	
Carbon Tetrachloride	50.0	46.4		ug/L		93	64 - 147	5	19	
Chlorobenzene	50.0	47.9		ug/L		96	80 - 120	2	14	
Chlorodibromomethane	50.0	51.3		ug/L		103	69 - 133	0.8	15	
Chloroethane	50.0	49.4		ug/L		99	72 - 120	4	20	
Chloroform	50.0	46.6		ug/L		93	73 - 129	2	18	
Chloromethane	50.0	38.5		ug/L		77	12 - 150	5	31	
Cyclohexane	50.0	50.0		ug/L		100	73 - 122	6	16	
1,2-Dibromo-3-chloropropane	50.0	46.1		ug/L		92	54 - 125	0.6	24	
1,2-Dibromoethane (EDB)	50.0	48.9		ug/L		98	80 - 129	1	15	
Methylcyclohexane	50.0	49.7		ug/L		99	71 - 129	5	19	
1,2-Dichlorobenzene	50.0	49.7		ug/L		99	80 - 121	2	15	
1,3-Dichlorobenzene	50.0	50.1		ug/L		100	80 - 122	3	15	
1,4-Dichlorobenzene	50.0	49.2		ug/L		98	80 - 120	3	15	
Dichlorodifluoromethane	50.0	35.7		ug/L		71	37 - 127	5	18	
1,2-Dichloroethane	50.0	42.7		ug/L		85	77 - 121	0.2	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3157-BSD1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,1-Dichloroethane	50.0	45.2		ug/L		90	78 - 125	5	17	
1,1-Dichloroethene	50.0	54.0		ug/L		108	79 - 124	4	17	
trans-1,2-Dichloroethene	50.0	51.5		ug/L		103	79 - 126	4	16	
1,1,2-Trifluorotrichloroethane	50.0	52.0		ug/L		104	77 - 129	6	18	
cis-1,2-Dichloroethene	50.0	46.5		ug/L		93	76 - 125	3	17	
1,2-Dichloropropane	50.0	44.1		ug/L		88	75 - 120	2	17	
trans-1,3-Dichloropropene	50.0	48.7		ug/L		97	63 - 134	1	14	
cis-1,3-Dichloropropene	50.0	51.2		ug/L		102	74 - 140	0.9	15	
Ethylbenzene	50.0	49.1		ug/L		98	80 - 130	3	15	
2-Hexanone	250	262		ug/L		105	60 - 142	5	15	
Isopropylbenzene	50.0	53.1		ug/L		106	80 - 141	4	16	
Methyl Acetate	50.0	41.5		ug/L		83	64 - 150	3	31	
Methyl tert-Butyl Ether	50.0	46.1		ug/L		92	72 - 133	1	16	
Methylene Chloride	50.0	54.0		ug/L		108	79 - 123	3	17	
4-Methyl-2-pentanone	250	253		ug/L		101	60 - 137	3	17	
Styrene	50.0	50.8		ug/L		102	80 - 127	2	24	
1,1,2,2-Tetrachloroethane	50.0	48.0		ug/L		96	69 - 131	0.2	20	
Tetrachloroethene	50.0	47.3		ug/L		95	80 - 126	3	16	
Toluene	50.0	49.2		ug/L		98	80 - 126	3	15	
1,2,4-Trichlorobenzene	50.0	52.4		ug/L		105	63 - 133	3	19	
1,2,3-Trichlorobenzene	50.0	50.0		ug/L		100	62 - 133	3	25	
1,1,1-Trichloroethane	50.0	46.1		ug/L		92	78 - 135	5	17	
1,1,2-Trichloroethane	50.0	48.9		ug/L		98	80 - 124	0.04	15	
Trichloroethene	50.0	45.6		ug/L		91	80 - 123	4	17	
Trichlorofluoromethane	50.0	41.8		ug/L		84	65 - 124	5	18	
Vinyl chloride	50.0	40.3		ug/L		81	68 - 120	4	17	
Xylenes, total	150	146		ug/L		97	80 - 132	3	15	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	91		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8	102		70 - 130
4-Bromofluorobenzene	98		70 - 130

**Lab Sample ID: 11L3157-MS1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	<25.0		250	276		ug/L		110	45 - 141	
Benzene	<0.500		50.0	53.5		ug/L		107	75 - 133	
Bromochloromethane	<0.500		50.0	49.8		ug/L		100	67 - 139	
Bromodichloromethane	<0.500		50.0	50.3		ug/L		101	70 - 140	
Bromoform	<0.500		50.0	53.1		ug/L		106	42 - 147	
Bromomethane	<0.500		50.0	46.9		ug/L		94	16 - 163	
2-Butanone	<25.0		250	258		ug/L		103	50 - 138	
Carbon disulfide	<0.500		50.0	55.6		ug/L		111	48 - 152	
Carbon Tetrachloride	<0.500		50.0	52.3		ug/L		105	62 - 164	
Chlorobenzene	<0.500		50.0	52.4		ug/L		105	80 - 129	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L3157-MS1

Matrix: Water

Analysis Batch: U021853

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11L3157\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Chlorodibromomethane	<0.500		50.0	55.7		ug/L		111	66 - 140
Chloroethane	<0.500		50.0	51.2		ug/L		102	58 - 137
Chloroform	<0.500		50.0	51.6		ug/L		103	66 - 138
Chloromethane	<0.500		50.0	33.2		ug/L		66	10 - 169
Cyclohexane	<2.50		50.0	55.4		ug/L		111	58 - 144
1,2-Dibromo-3-chloropropane	<5.00		50.0	49.0		ug/L		98	52 - 126
1,2-Dibromoethane (EDB)	<0.500		50.0	52.0		ug/L		104	75 - 137
Methylcyclohexane	<2.50		50.0	55.4		ug/L		111	59 - 151
1,2-Dichlorobenzene	<0.500		50.0	53.5		ug/L		107	79 - 128
1,3-Dichlorobenzene	<0.500		50.0	54.0		ug/L		108	77 - 131
1,4-Dichlorobenzene	<0.500		50.0	53.7		ug/L		107	78 - 126
Dichlorodifluoromethane	<0.600		50.0	23.0		ug/L		46	40 - 127
1,2-Dichloroethane	<0.500		50.0	46.2		ug/L		92	64 - 136
1,1-Dichloroethane	<0.500		50.0	52.0		ug/L		104	71 - 139
1,1-Dichloroethene	<0.500		50.0	60.2		ug/L		120	70 - 142
trans-1,2-Dichloroethene	<0.500		50.0	56.2		ug/L		112	66 - 143
1,1,2-Trifluorotrchloroethane	<0.500		50.0	59.2		ug/L		118	72 - 148
cis-1,2-Dichloroethene	<0.500		50.0	51.6		ug/L		103	68 - 138
1,2-Dichloropropane	<0.500		50.0	48.1		ug/L		96	67 - 131
trans-1,3-Dichloropropene	<0.500		50.0	52.1		ug/L		104	59 - 135
cis-1,3-Dichloropropene	<0.500		50.0	55.3		ug/L		111	71 - 141
Ethylbenzene	<0.500		50.0	54.0		ug/L		108	79 - 139
2-Hexanone	<5.00		250	285		ug/L		114	50 - 150
Isopropylbenzene	<0.500		50.0	58.6		ug/L		117	80 - 153
Methyl Acetate	<5.00		50.0	43.3		ug/L		87	30 - 165
Methyl tert-Butyl Ether	<0.500		50.0	49.8		ug/L		100	66 - 141
Methylene Chloride	<2.50		50.0	57.1		ug/L		114	64 - 139
4-Methyl-2-pentanone	<5.00		250	276		ug/L		110	50 - 147
Styrene	<0.500		50.0	55.1		ug/L		110	61 - 148
1,1,1,2-Tetrachloroethane	<0.500		50.0	51.6		ug/L		103	56 - 143
Tetrachloroethene	<0.500		50.0	52.9		ug/L		106	72 - 145
Toluene	<0.500		50.0	54.2		ug/L		108	75 - 136
1,2,4-Trichlorobenzene	<0.500		50.0	53.5		ug/L		107	60 - 136
1,2,3-Trichlorobenzene	<0.500		50.0	49.0		ug/L		98	55 - 138
1,1,1-Trichloroethane	<0.500		50.0	51.4		ug/L		103	76 - 149
1,1,2-Trichloroethane	<0.500		50.0	53.1		ug/L		106	74 - 134
Trichloroethene	<0.500		50.0	50.3		ug/L		101	73 - 144
Trichlorofluoromethane	<0.500		50.0	42.6		ug/L		85	58 - 139
Vinyl chloride	<0.500		50.0	37.4		ug/L		75	56 - 129
Xylenes, total	<1.50		150	160		ug/L		107	74 - 141

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	91		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	99		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3157-MSD1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result			Result	Qualifier				Limits	RPD		
Acetone	<25.0		250	273		ug/L		109	45 - 141	1	21	
Benzene	<0.500		50.0	51.9		ug/L		104	75 - 133	3	17	
Bromochloromethane	<0.500		50.0	48.3		ug/L		97	67 - 139	3	17	
Bromodichloromethane	<0.500		50.0	48.9		ug/L		98	70 - 140	3	18	
Bromoform	<0.500		50.0	51.2		ug/L		102	42 - 147	4	16	
Bromomethane	<0.500		50.0	45.5		ug/L		91	16 - 163	3	50	
2-Butanone	<25.0		250	250		ug/L		100	50 - 138	3	19	
Carbon disulfide	<0.500		50.0	54.7		ug/L		109	48 - 152	2	21	
Carbon Tetrachloride	<0.500		50.0	50.9		ug/L		102	62 - 164	3	19	
Chlorobenzene	<0.500		50.0	51.1		ug/L		102	80 - 129	2	14	
Chlorodibromomethane	<0.500		50.0	53.6		ug/L		107	66 - 140	4	15	
Chloroethane	<0.500		50.0	47.7		ug/L		95	58 - 137	7	20	
Chloroform	<0.500		50.0	50.3		ug/L		101	66 - 138	3	18	
Chloromethane	<0.500		50.0	31.8		ug/L		64	10 - 169	4	31	
Cyclohexane	<2.50		50.0	53.9		ug/L		108	58 - 144	3	16	
1,2-Dibromo-3-chloropropane	<5.00		50.0	47.5		ug/L		95	52 - 126	3	24	
1,2-Dibromoethane (EDB)	<0.500		50.0	50.2		ug/L		100	75 - 137	4	15	
Methylcyclohexane	<2.50		50.0	54.6		ug/L		109	59 - 151	1	19	
1,2-Dichlorobenzene	<0.500		50.0	51.9		ug/L		104	79 - 128	3	15	
1,3-Dichlorobenzene	<0.500		50.0	52.3		ug/L		105	77 - 131	3	15	
1,4-Dichlorobenzene	<0.500		50.0	51.7		ug/L		103	78 - 126	4	15	
Dichlorodifluoromethane	<0.600		50.0	22.2		ug/L		44	40 - 127	3	18	
1,2-Dichloroethane	<0.500		50.0	45.0		ug/L		90	64 - 136	3	17	
1,1-Dichloroethane	<0.500		50.0	50.8		ug/L		102	71 - 139	2	17	
1,1-Dichloroethene	<0.500		50.0	58.9		ug/L		118	70 - 142	2	17	
trans-1,2-Dichloroethene	<0.500		50.0	55.1		ug/L		110	66 - 143	2	16	
1,1,2-Trifluorotrchloroethane	<0.500		50.0	57.6		ug/L		115	72 - 148	3	18	
cis-1,2-Dichloroethene	<0.500		50.0	50.2		ug/L		100	68 - 138	3	17	
1,2-Dichloropropane	<0.500		50.0	47.2		ug/L		94	67 - 131	2	17	
trans-1,3-Dichloropropene	<0.500		50.0	49.9		ug/L		100	59 - 135	4	14	
cis-1,3-Dichloropropene	<0.500		50.0	53.3		ug/L		107	71 - 141	4	15	
Ethylbenzene	<0.500		50.0	52.4		ug/L		105	79 - 139	3	15	
2-Hexanone	<5.00		250	275		ug/L		110	50 - 150	3	15	
Isopropylbenzene	<0.500		50.0	57.1		ug/L		114	80 - 153	3	16	
Methyl Acetate	<5.00		50.0	42.2		ug/L		84	30 - 165	3	31	
Methyl tert-Butyl Ether	<0.500		50.0	48.5		ug/L		97	66 - 141	3	16	
Methylene Chloride	<2.50		50.0	55.4		ug/L		111	64 - 139	3	17	
4-Methyl-2-pentanone	<5.00		250	264		ug/L		106	50 - 147	4	17	
Styrene	<0.500		50.0	53.2		ug/L		106	61 - 148	3	24	
1,1,2,2-Tetrachloroethane	<0.500		50.0	49.0		ug/L		98	56 - 143	5	20	
Tetrachloroethene	<0.500		50.0	51.0		ug/L		102	72 - 145	3	16	
Toluene	<0.500		50.0	52.5		ug/L		105	75 - 136	3	15	
1,2,4-Trichlorobenzene	<0.500		50.0	54.1		ug/L		108	60 - 136	1	19	
1,2,3-Trichlorobenzene	<0.500		50.0	50.3		ug/L		101	55 - 138	3	25	
1,1,1-Trichloroethane	<0.500		50.0	50.0		ug/L		100	76 - 149	3	17	
1,1,2-Trichloroethane	<0.500		50.0	51.8		ug/L		104	74 - 134	3	15	
Trichloroethene	<0.500		50.0	48.8		ug/L		98	73 - 144	3	17	
Trichlorofluoromethane	<0.500		50.0	41.5		ug/L		83	58 - 139	3	18	
Vinyl chloride	<0.500		50.0	36.0		ug/L		72	56 - 129	4	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L3157-MSD1**

**Matrix: Water**

**Analysis Batch: U021853**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L3157\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	<1.50		150	155		ug/L		103	74 - 141	3	15
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1,2-Dichloroethane-d4	91		70 - 130								
Dibromofluoromethane	99		70 - 130								
Toluene-d8	102		70 - 130								
4-Bromofluorobenzene	97		70 - 130								

**Lab Sample ID: 11L4221-BLK1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,1,2-Trifluoroethane	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4221-BLK1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		12/19/11 11:43	12/19/11 14:59	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	95		70 - 130	12/19/11 11:43	12/19/11 14:59	1.00
Dibromofluoromethane	102		70 - 130	12/19/11 11:43	12/19/11 14:59	1.00
Toluene-d8	98		70 - 130	12/19/11 11:43	12/19/11 14:59	1.00
4-Bromofluorobenzene	100		70 - 130	12/19/11 11:43	12/19/11 14:59	1.00

**Lab Sample ID: 11L4221-BS1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	250	240		ug/kg		96	51 - 149
Benzene	50.0	50.6		ug/kg		101	75 - 127
Bromochloromethane	50.0	53.2		ug/kg		106	70 - 132
Bromodichloromethane	50.0	51.1		ug/kg		102	68 - 135
Bromoform	50.0	49.3		ug/kg		99	36 - 150
Bromomethane	50.0	50.1		ug/kg		100	43 - 142
2-Butanone	250	244		ug/kg		98	61 - 132
Carbon disulfide	50.0	50.4		ug/kg		101	74 - 135
Carbon Tetrachloride	50.0	49.9		ug/kg		100	70 - 141
Chlorobenzene	50.0	54.4		ug/kg		109	84 - 125
Chlorodibromomethane	50.0	54.2		ug/kg		108	66 - 134
Chloroethane	50.0	52.1		ug/kg		104	53 - 144
Chloroform	50.0	47.1		ug/kg		94	76 - 130
Chloromethane	50.0	46.6		ug/kg		93	23 - 150
Cyclohexane	50.0	49.2		ug/kg		98	70 - 133
1,2-Dibromo-3-chloropropane	50.0	45.9		ug/kg		92	49 - 142
1,2-Dibromoethane (EDB)	50.0	52.1		ug/kg		104	80 - 135
Methylcyclohexane	50.0	51.5		ug/kg		103	69 - 140
1,2-Dichlorobenzene	50.0	60.6		ug/kg		121	80 - 134
1,3-Dichlorobenzene	50.0	62.6		ug/kg		125	79 - 137
1,4-Dichlorobenzene	50.0	65.5		ug/kg		131	77 - 139
Dichlorodifluoromethane	50.0	42.3		ug/kg		85	12 - 144
1,2-Dichloroethane	50.0	49.2		ug/kg		98	65 - 134

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4221-BS1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
1,1-Dichloroethane	50.0	49.8		ug/kg		100	75 - 124	
1,1-Dichloroethene	50.0	50.2		ug/kg		100	75 - 131	
trans-1,2-Dichloroethene	50.0	51.8		ug/kg		104	76 - 128	
1,1,2-Trifluorotrchloroethane	50.0	50.9		ug/kg		102	67 - 136	
cis-1,2-Dichloroethene	50.0	50.6		ug/kg		101	75 - 125	
1,2-Dichloropropane	50.0	47.4		ug/kg		95	69 - 120	
trans-1,3-Dichloropropene	50.0	52.1		ug/kg		104	62 - 139	
cis-1,3-Dichloropropene	50.0	54.1		ug/kg		108	73 - 148	
Ethylbenzene	50.0	50.1		ug/kg		100	80 - 134	
2-Hexanone	250	235		ug/kg		94	57 - 148	
Isopropylbenzene	50.0	55.8		ug/kg		112	80 - 150	
Methyl Acetate	50.0	244	L1	ug/kg		489	11 - 170	
Methyl tert-Butyl Ether	50.0	51.2		ug/kg		102	70 - 136	
Methylene Chloride	50.0	52.3		ug/kg		105	68 - 144	
4-Methyl-2-pentanone	250	238		ug/kg		95	59 - 138	
Styrene	50.0	58.4		ug/kg		117	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	48.6		ug/kg		97	66 - 134	
Tetrachloroethene	50.0	54.3		ug/kg		109	78 - 140	
Toluene	50.0	51.2		ug/kg		102	80 - 132	
1,2,4-Trichlorobenzene	50.0	83.8	L	ug/kg		168	62 - 150	
1,2,3-Trichlorobenzene	50.0	73.9		ug/kg		148	70 - 150	
1,1,1-Trichloroethane	50.0	49.4		ug/kg		99	72 - 140	
1,1,2-Trichloroethane	50.0	49.2		ug/kg		98	78 - 128	
Trichloroethene	50.0	53.7		ug/kg		107	77 - 127	
Trichlorofluoromethane	50.0	46.6		ug/kg		93	50 - 140	
Vinyl chloride	50.0	49.8		ug/kg		100	47 - 136	
Xylenes, total	150	164		ug/kg		109	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	95		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	96		70 - 130

**Lab Sample ID: 11L4221-BSD1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits			
Acetone	250	251		ug/kg		100	51 - 149	4	50	
Benzene	50.0	53.4		ug/kg		107	75 - 127	5	50	
Bromochloromethane	50.0	55.9		ug/kg		112	70 - 132	5	50	
Bromodichloromethane	50.0	54.6		ug/kg		109	68 - 135	7	50	
Bromoform	50.0	51.6		ug/kg		103	36 - 150	5	50	
Bromomethane	50.0	52.4		ug/kg		105	43 - 142	4	50	
2-Butanone	250	255		ug/kg		102	61 - 132	4	50	
Carbon disulfide	50.0	52.5		ug/kg		105	74 - 135	4	50	
Carbon Tetrachloride	50.0	52.8		ug/kg		106	70 - 141	6	50	
Chlorobenzene	50.0	56.5		ug/kg		113	84 - 125	4	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4221-BSD1

Matrix: Soil

Analysis Batch: U022319

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11L4221\_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	Limit
Chlorodibromomethane	50.0	56.9		ug/kg		114	66 - 134	5	50	
Chloroethane	50.0	54.6		ug/kg		109	53 - 144	5	50	
Chloroform	50.0	49.7		ug/kg		99	76 - 130	5	49	
Chloromethane	50.0	45.7		ug/kg		91	23 - 150	2	50	
Cyclohexane	50.0	51.4		ug/kg		103	70 - 133	5	50	
1,2-Dibromo-3-chloropropane	50.0	48.5		ug/kg		97	49 - 142	5	50	
1,2-Dibromoethane (EDB)	50.0	53.2		ug/kg		106	80 - 135	2	50	
Methylcyclohexane	50.0	53.7		ug/kg		107	69 - 140	4	50	
1,2-Dichlorobenzene	50.0	63.0		ug/kg		126	80 - 134	4	50	
1,3-Dichlorobenzene	50.0	65.1		ug/kg		130	79 - 137	4	50	
1,4-Dichlorobenzene	50.0	68.3		ug/kg		137	77 - 139	4	50	
Dichlorodifluoromethane	50.0	42.2		ug/kg		84	12 - 144	0.3	50	
1,2-Dichloroethane	50.0	51.9		ug/kg		104	65 - 134	5	50	
1,1-Dichloroethane	50.0	52.2		ug/kg		104	75 - 124	5	50	
1,1-Dichloroethene	50.0	52.8		ug/kg		106	75 - 131	5	50	
trans-1,2-Dichloroethene	50.0	53.3		ug/kg		107	76 - 128	3	50	
1,1,1-Trifluorotrchloroethane	50.0	53.5		ug/kg		107	67 - 136	5	50	
cis-1,2-Dichloroethene	50.0	53.3		ug/kg		107	75 - 125	5	50	
1,2-Dichloropropane	50.0	50.1		ug/kg		100	69 - 120	6	50	
trans-1,3-Dichloropropene	50.0	54.9		ug/kg		110	62 - 139	5	50	
cis-1,3-Dichloropropene	50.0	56.1		ug/kg		112	73 - 148	4	50	
Ethylbenzene	50.0	51.6		ug/kg		103	80 - 134	3	50	
2-Hexanone	250	248		ug/kg		99	57 - 148	5	50	
Isopropylbenzene	50.0	57.4		ug/kg		115	80 - 150	3	50	
Methyl Acetate	50.0	236	L1	ug/kg		471	11 - 170	4	50	
Methyl tert-Butyl Ether	50.0	54.4		ug/kg		109	70 - 136	6	50	
Methylene Chloride	50.0	54.6		ug/kg		109	68 - 144	4	50	
4-Methyl-2-pentanone	250	246		ug/kg		99	59 - 138	3	50	
Styrene	50.0	59.8		ug/kg		120	82 - 137	2	50	
1,1,1,2-Tetrachloroethane	50.0	52.7		ug/kg		105	66 - 134	8	50	
Tetrachloroethene	50.0	55.8		ug/kg		112	78 - 140	3	50	
Toluene	50.0	52.7		ug/kg		105	80 - 132	3	50	
1,2,4-Trichlorobenzene	50.0	87.4	L	ug/kg		175	62 - 150	4	50	
1,2,3-Trichlorobenzene	50.0	76.8	L	ug/kg		154	70 - 150	4	50	
1,1,1-Trichloroethane	50.0	51.5		ug/kg		103	72 - 140	4	50	
1,1,2-Trichloroethane	50.0	51.3		ug/kg		103	78 - 128	4	50	
Trichloroethene	50.0	57.1		ug/kg		114	77 - 127	6	50	
Trichlorofluoromethane	50.0	48.2		ug/kg		96	50 - 140	3	50	
Vinyl chloride	50.0	51.3		ug/kg		103	47 - 136	3	50	
Xylenes, total	150	166		ug/kg		110	80 - 137	1	50	

Surrogate	LCS Dup		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	96		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	99		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4221-MS1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike	Matrix Spike Qualifier	Unit	D	%Rec	Limits
	Result			Result					
Acetone	0.0505		0.294	0.287		mg/kg dry	☼	80	19 - 175
Benzene	<0.00132		0.0588	0.0503		mg/kg dry	☼	85	31 - 143
Bromochloromethane	<0.00144		0.0588	0.0537		mg/kg dry	☼	91	31 - 141
Bromodichloromethane	<0.00120		0.0588	0.0507		mg/kg dry	☼	86	19 - 148
Bromoform	<0.00120		0.0588	0.0420		mg/kg dry	☼	71	10 - 165
Bromomethane	<0.00144		0.0588	0.0467		mg/kg dry	☼	79	10 - 164
2-Butanone	<0.0300		0.294	0.254		mg/kg dry	☼	86	18 - 153
Carbon disulfide	<0.00432		0.0588	0.0470		mg/kg dry	☼	80	32 - 144
Carbon Tetrachloride	<0.00120		0.0588	0.0491		mg/kg dry	☼	83	31 - 149
Chlorobenzene	<0.00132		0.0588	0.0465		mg/kg dry	☼	79	25 - 152
Chlorodibromomethane	<0.00120		0.0588	0.0495		mg/kg dry	☼	84	14 - 146
Chloroethane	<0.00300		0.0588	0.0555		mg/kg dry	☼	94	10 - 151
Chloroform	<0.00156		0.0588	0.0485		mg/kg dry	☼	82	34 - 160
Chloromethane	<0.00132		0.0588	0.0456		mg/kg dry	☼	77	10 - 156
Cyclohexane	<0.00599		0.0588	0.0492		mg/kg dry	☼	84	32 - 158
1,2-Dibromo-3-chloropropane	<0.00300		0.0588	0.0361		mg/kg dry	☼	61	10 - 147
1,2-Dibromoethane (EDB)	<0.00120		0.0588	0.0478		mg/kg dry	☼	81	18 - 156
Methylcyclohexane	<0.00599		0.0588	0.0501		mg/kg dry	☼	85	29 - 167
1,2-Dichlorobenzene	<0.00120		0.0588	0.0448		mg/kg dry	☼	76	10 - 160
1,3-Dichlorobenzene	<0.00144		0.0588	0.0465		mg/kg dry	☼	79	10 - 162
1,4-Dichlorobenzene	<0.00132		0.0588	0.0482		mg/kg dry	☼	82	11 - 159
Dichlorodifluoromethane	<0.00168		0.0588	0.0435		mg/kg dry	☼	74	10 - 143
1,2-Dichloroethane	<0.00132		0.0588	0.0497		mg/kg dry	☼	84	28 - 138
1,1-Dichloroethane	<0.00156		0.0588	0.0514		mg/kg dry	☼	87	42 - 136
1,1-Dichloroethene	<0.00144		0.0588	0.0495		mg/kg dry	☼	84	41 - 143
trans-1,2-Dichloroethene	<0.00156		0.0588	0.0501		mg/kg dry	☼	85	39 - 140
1,1,2-Trifluorotrchloroethane	<0.00132		0.0588	0.0534		mg/kg dry	☼	91	42 - 147
cis-1,2-Dichloroethene	<0.00132		0.0588	0.0515		mg/kg dry	☼	87	36 - 139
1,2-Dichloropropane	<0.00120		0.0588	0.0485		mg/kg dry	☼	82	20 - 146
trans-1,3-Dichloropropene	<0.00120		0.0588	0.0478		mg/kg dry	☼	81	10 - 157
cis-1,3-Dichloropropene	<0.00120		0.0588	0.0515		mg/kg dry	☼	87	15 - 166
Ethylbenzene	<0.00132		0.0588	0.0450		mg/kg dry	☼	77	23 - 161
2-Hexanone	<0.0300		0.294	0.227		mg/kg dry	☼	77	10 - 169
Isopropylbenzene	<0.00132		0.0588	0.0488		mg/kg dry	☼	83	23 - 181
Methyl Acetate	<0.00599		0.0588	0.241	M7	mg/kg dry	☼	410	10 - 200
Methyl tert-Butyl Ether	<0.00120		0.0588	0.0556		mg/kg dry	☼	95	28 - 141
Methylene Chloride	<0.00599		0.0588	0.0538		mg/kg dry	☼	92	24 - 182
4-Methyl-2-pentanone	<0.0300		0.294	0.241		mg/kg dry	☼	82	10 - 168
Styrene	<0.00132		0.0588	0.0377		mg/kg dry	☼	64	10 - 165
1,1,2,2-Tetrachloroethane	<0.00120		0.0588	0.0438		mg/kg dry	☼	74	10 - 162
Tetrachloroethene	<0.00156		0.0588	0.0505		mg/kg dry	☼	86	33 - 161
Toluene	<0.00132		0.0588	0.0482		mg/kg dry	☼	82	30 - 155
1,2,4-Trichlorobenzene	<0.00144		0.0588	0.0490		mg/kg dry	☼	83	10 - 167
1,2,3-Trichlorobenzene	<0.00132		0.0588	0.0429		mg/kg dry	☼	73	10 - 157
1,1,1-Trichloroethane	<0.00120		0.0588	0.0646		mg/kg dry	☼	110	35 - 149
1,1,2-Trichloroethane	<0.00300		0.0588	0.0482		mg/kg dry	☼	82	19 - 157
Trichloroethene	<0.00120		0.0588	0.0532		mg/kg dry	☼	90	27 - 153
Trichlorofluoromethane	<0.00120		0.0588	0.0487		mg/kg dry	☼	83	25 - 137
Vinyl chloride	<0.00120		0.0588	0.0505		mg/kg dry	☼	86	20 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11L4221-MS1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Xylenes, total	<0.00300		0.176	0.141		mg/kg dry	☼	80	25 - 162	
<b>Surrogate</b>	<b>Matrix Spike</b>	<b>Matrix Spike</b>	<b>Limits</b>							
	<b>%Recovery</b>	<b>Qualifier</b>								
1,2-Dichloroethane-d4	95		70 - 130							
Dibromofluoromethane	102		70 - 130							
Toluene-d8	99		70 - 130							
4-Bromofluorobenzene	100		70 - 130							

**Lab Sample ID: 11L4221-MSD1**

**Matrix: Soil**

**Analysis Batch: U022319**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L4221\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	0.0505		0.292	0.276		mg/kg dry	☼	77	19 - 175	4	50	
Benzene	<0.00132		0.0584	0.0489		mg/kg dry	☼	84	31 - 143	3	50	
Bromochloromethane	<0.00144		0.0584	0.0523		mg/kg dry	☼	90	31 - 141	3	50	
Bromodichloromethane	<0.00120		0.0584	0.0479		mg/kg dry	☼	82	19 - 148	6	50	
Bromoform	<0.00120		0.0584	0.0409		mg/kg dry	☼	70	10 - 165	3	50	
Bromomethane	<0.00144		0.0584	0.0480		mg/kg dry	☼	82	10 - 164	3	50	
2-Butanone	<0.0300		0.292	0.245		mg/kg dry	☼	84	18 - 153	4	50	
Carbon disulfide	<0.00432		0.0584	0.0454		mg/kg dry	☼	78	32 - 144	3	50	
Carbon Tetrachloride	<0.00120		0.0584	0.0478		mg/kg dry	☼	82	31 - 149	3	50	
Chlorobenzene	<0.00132		0.0584	0.0460		mg/kg dry	☼	79	25 - 152	1	50	
Chlorodibromomethane	<0.00120		0.0584	0.0475		mg/kg dry	☼	81	14 - 146	4	50	
Chloroethane	<0.00300		0.0584	0.0529		mg/kg dry	☼	91	10 - 151	5	50	
Chloroform	<0.00156		0.0584	0.0468		mg/kg dry	☼	80	34 - 160	4	49	
Chloromethane	<0.00132		0.0584	0.0435		mg/kg dry	☼	74	10 - 156	5	50	
Cyclohexane	<0.00599		0.0584	0.0477		mg/kg dry	☼	82	32 - 158	3	50	
1,2-Dibromo-3-chloropropane	<0.00300		0.0584	0.0357		mg/kg dry	☼	61	10 - 147	1	50	
1,2-Dibromoethane (EDB)	<0.00120		0.0584	0.0463		mg/kg dry	☼	79	18 - 156	3	50	
Methylcyclohexane	<0.00599		0.0584	0.0483		mg/kg dry	☼	83	29 - 167	4	50	
1,2-Dichlorobenzene	<0.00120		0.0584	0.0456		mg/kg dry	☼	78	10 - 160	2	50	
1,3-Dichlorobenzene	<0.00144		0.0584	0.0479		mg/kg dry	☼	82	10 - 162	3	50	
1,4-Dichlorobenzene	<0.00132		0.0584	0.0489		mg/kg dry	☼	84	11 - 159	1	50	
Dichlorodifluoromethane	<0.00168		0.0584	0.0416		mg/kg dry	☼	71	10 - 143	4	50	
1,2-Dichloroethane	<0.00132		0.0584	0.0483		mg/kg dry	☼	83	28 - 138	3	50	
1,1-Dichloroethane	<0.00156		0.0584	0.0500		mg/kg dry	☼	86	42 - 136	3	50	
1,1-Dichloroethene	<0.00144		0.0584	0.0479		mg/kg dry	☼	82	41 - 143	3	50	
trans-1,2-Dichloroethene	<0.00156		0.0584	0.0483		mg/kg dry	☼	83	39 - 140	4	50	
1,1,2-Trifluorotrchloroethane	<0.00132		0.0584	0.0508		mg/kg dry	☼	87	42 - 147	5	50	
cis-1,2-Dichloroethene	<0.00132		0.0584	0.0491		mg/kg dry	☼	84	36 - 139	5	50	
1,2-Dichloropropane	<0.00120		0.0584	0.0472		mg/kg dry	☼	81	20 - 146	3	50	
trans-1,3-Dichloropropene	<0.00120		0.0584	0.0465		mg/kg dry	☼	80	10 - 157	3	50	
cis-1,3-Dichloropropene	<0.00120		0.0584	0.0494		mg/kg dry	☼	85	15 - 166	4	50	
Ethylbenzene	<0.00132		0.0584	0.0436		mg/kg dry	☼	75	23 - 161	3	50	
2-Hexanone	<0.0300		0.292	0.219		mg/kg dry	☼	75	10 - 169	4	50	
Isopropylbenzene	<0.00132		0.0584	0.0471		mg/kg dry	☼	81	23 - 181	4	50	
Methyl Acetate	<0.00599		0.0584	0.244	M7	mg/kg dry	☼	417	10 - 200	1	50	
Methyl tert-Butyl Ether	<0.00120		0.0584	0.0537		mg/kg dry	☼	92	28 - 141	4	50	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4221-MSD1

Matrix: Soil

Analysis Batch: U022319

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11L4221\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Methylene Chloride	<0.00599		0.0584	0.0533		mg/kg dry	*	91	24 - 182	0.9	50
4-Methyl-2-pentanone	<0.0300		0.292	0.232		mg/kg dry	*	79	10 - 168	4	50
Styrene	<0.00132		0.0584	0.0361		mg/kg dry	*	62	10 - 165	4	50
1,1,2,2-Tetrachloroethane	<0.00120		0.0584	0.0432		mg/kg dry	*	74	10 - 162	1	50
Tetrachloroethene	<0.00156		0.0584	0.0492		mg/kg dry	*	84	33 - 161	3	50
Toluene	<0.00132		0.0584	0.0470		mg/kg dry	*	80	30 - 155	3	50
1,2,4-Trichlorobenzene	<0.00144		0.0584	0.0543		mg/kg dry	*	93	10 - 167	10	50
1,2,3-Trichlorobenzene	<0.00132		0.0584	0.0457		mg/kg dry	*	78	10 - 157	6	50
1,1,1-Trichloroethane	<0.00120		0.0584	0.0616		mg/kg dry	*	106	35 - 149	5	50
1,1,2-Trichloroethane	<0.00300		0.0584	0.0471		mg/kg dry	*	81	19 - 157	2	50
Trichloroethene	<0.00120		0.0584	0.0519		mg/kg dry	*	89	27 - 153	3	50
Trichlorofluoromethane	<0.00120		0.0584	0.0464		mg/kg dry	*	80	25 - 137	5	50
Vinyl chloride	<0.00120		0.0584	0.0489		mg/kg dry	*	84	20 - 141	3	50
Xylenes, total	<0.00300		0.175	0.136		mg/kg dry	*	77	25 - 162	4	50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
1,2-Dichloroethane-d4	95		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	101		70 - 130

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

Lab Sample ID: 11L2806-BLK1

Matrix: Water

Analysis Batch: 11L2806

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2806\_P

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Anthracene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Carbazole	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Chrysene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2806-BLK1**

**Matrix: Water**

**Analysis Batch: 11L2806**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2806\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Fluorene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Isophorone	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Phenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
Pyrene	<1.00		2.00	1.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		12/13/11 09:40	12/13/11 16:38	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		12/13/11 09:40	12/13/11 16:38	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	83		13 - 120	12/13/11 09:40	12/13/11 16:38	1.00
2,4,6-Tribromophenol	63		10 - 120	12/13/11 09:40	12/13/11 16:38	1.00
Phenol-d5	21		10 - 120	12/13/11 09:40	12/13/11 16:38	1.00
2-Fluorobiphenyl	62		29 - 120	12/13/11 09:40	12/13/11 16:38	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2806-BLK1**

**Matrix: Water**

**Analysis Batch: 11L2806**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2806\_P**

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol	37		10 - 120	12/13/11 09:40	12/13/11 16:38	1.00
Nitrobenzene-d5	62		27 - 120	12/13/11 09:40	12/13/11 16:38	1.00

**Lab Sample ID: 11L2806-BS1**

**Matrix: Water**

**Analysis Batch: 11L2806**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2806\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	50.0	37.6	MNR1	ug/L		75	48 - 120
Anthracene	50.0	46.6	MNR1	ug/L		93	58 - 130
Benzo (a) anthracene	50.0	45.4	MNR1	ug/L		91	57 - 120
Benzo (a) pyrene	50.0	45.8	MNR1	ug/L		92	57 - 124
Benzo (b) fluoranthene	50.0	38.9	MNR1	ug/L		78	51 - 125
Benzo (g,h,i) perylene	50.0	46.2	MNR1	ug/L		92	51 - 123
Benzo (k) fluoranthene	50.0	43.3	MNR1	ug/L		87	51 - 120
4-Bromophenyl phenyl ether	50.0	46.0	MNR1	ug/L		92	47 - 127
Butyl benzyl phthalate	50.0	42.6	MNR1	ug/L		85	51 - 146
Carbazole	50.0	48.0	MNR1	ug/L		96	54 - 123
4-Chloro-3-methylphenol	50.0	40.2	MNR1	ug/L		80	44 - 120
4-Chloroaniline	50.0	42.0	MNR1	ug/L		84	44 - 120
Bis(2-chloroethoxy)methane	50.0	41.2	MNR1	ug/L		82	44 - 120
Bis(2-chloroethyl)ether	50.0	40.5	MNR1	ug/L		81	47 - 120
Bis(2-chloroisopropyl)ether	50.0	39.6	MNR1	ug/L		79	44 - 120
2-Chloronaphthalene	50.0	32.2	MNR1	ug/L		64	39 - 120
2-Chlorophenol	50.0	39.2	MNR1	ug/L		78	40 - 120
4-Chlorophenyl phenyl ether	50.0	40.8	MNR1	ug/L		82	50 - 120
Chrysene	50.0	43.6	MNR1	ug/L		87	55 - 120
Dibenz (a,h) anthracene	50.0	42.9	MNR1	ug/L		86	50 - 125
Dibenzofuran	50.0	43.9	MNR1	ug/L		88	50 - 120
Di-n-butyl phthalate	50.0	45.7	MNR1	ug/L		91	54 - 140
1,4-Dichlorobenzene	50.0	25.1	MNR1	ug/L		50	31 - 120
1,2-Dichlorobenzene	50.0	25.4	MNR1	ug/L		51	32 - 120
1,3-Dichlorobenzene	50.0	25.3	MNR1	ug/L		51	32 - 120
3,3-Dichlorobenzidine	50.0	46.4	MNR1	ug/L		93	46 - 129
2,4-Dichlorophenol	50.0	38.8	MNR1	ug/L		78	38 - 120
Diethyl phthalate	50.0	42.1	MNR1	ug/L		84	54 - 128
2,4-Dimethylphenol	50.0	43.4	MNR1	ug/L		87	21 - 126
Dimethyl phthalate	50.0	43.1	MNR1	ug/L		86	53 - 127
4,6-Dinitro-2-methylphenol	50.0	48.8	MNR1	ug/L		98	19 - 150
2,4-Dinitrophenol	50.0	43.9	MNR1	ug/L		88	20 - 150
2,6-Dinitrotoluene	50.0	38.4	MNR1	ug/L		77	54 - 128
2,4-Dinitrotoluene	50.0	38.2	MNR1	ug/L		76	46 - 132
Di-n-octyl phthalate	50.0	35.7	MNR1	ug/L		71	50 - 142
Bis(2-ethylhexyl)phthalate	50.0	40.3	MNR1	ug/L		81	47 - 138
Fluoranthene	50.0	49.8	MNR1	ug/L		100	56 - 120
Fluorene	50.0	43.9	MNR1	ug/L		88	52 - 120
Hexachlorobenzene	50.0	45.2	MNR1	ug/L		90	48 - 131
Hexachlorobutadiene	50.0	31.2	MNR1	ug/L		62	28 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2806-BS1**

**Matrix: Water**

**Analysis Batch: 11L2806**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2806\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Hexachlorocyclopentadiene	50.0	18.8	MNR1	ug/L		38	17 - 120	
Hexachloroethane	50.0	27.6	MNR1	ug/L		55	30 - 120	
Indeno (1,2,3-cd) pyrene	50.0	41.1	MNR1	ug/L		82	54 - 125	
Isophorone	50.0	37.8	MNR1	ug/L		76	47 - 120	
2-Methylnaphthalene	50.0	35.3	MNR1	ug/L		71	31 - 120	
2-Methylphenol	50.0	30.7	MNR1	ug/L		61	38 - 120	
Naphthalene	50.0	40.1	MNR1	ug/L		80	37 - 120	
3/4-Methylphenol	50.0	25.6	MNR1	ug/L		51	33 - 120	
3-Nitroaniline	50.0	45.6	MNR1	ug/L		91	54 - 121	
2-Nitroaniline	50.0	43.5	MNR1	ug/L		87	46 - 131	
4-Nitroaniline	50.0	43.8	MNR1	ug/L		88	55 - 123	
Nitrobenzene	50.0	34.1	MNR1	ug/L		68	36 - 120	
4-Nitrophenol	50.0	16.5	MNR1 J	ug/L		33	10 - 120	
2-Nitrophenol	50.0	38.6	MNR1	ug/L		77	32 - 120	
N-Nitrosodiphenylamine	50.0	54.3	MNR1	ug/L		109	58 - 149	
N-Nitrosodi-n-propylamine	50.0	37.8	MNR1	ug/L		76	51 - 120	
Pentachlorophenol	50.0	55.7	MNR1	ug/L		111	21 - 150	
Phenanthrene	50.0	46.0	MNR1	ug/L		92	56 - 120	
Phenol	50.0	14.8	MNR1	ug/L		30	14 - 120	
Pyrene	50.0	41.2	MNR1	ug/L		82	53 - 129	
1,2,4-Trichlorobenzene	50.0	25.7	MNR1	ug/L		51	30 - 120	
2,4,6-Trichlorophenol	50.0	44.0	MNR1	ug/L		88	39 - 135	
2,4,5-Trichlorophenol	50.0	35.1	MNR1	ug/L		70	40 - 129	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	86		13 - 120
2,4,6-Tribromophenol	74		10 - 120
Phenol-d5	26		10 - 120
2-Fluorobiphenyl	68		29 - 120
2-Fluorophenol	43		10 - 120
Nitrobenzene-d5	72		27 - 120

**Lab Sample ID: 11L2985-BLK1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Blank Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BLK1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BLK1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		12/14/11 07:46	12/14/11 14:11	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	80		18 - 120	12/14/11 07:46	12/14/11 14:11	1.00
2,4,6-Tribromophenol	59		19 - 120	12/14/11 07:46	12/14/11 14:11	1.00
Phenol-d5	62		18 - 120	12/14/11 07:46	12/14/11 14:11	1.00
2-Fluorobiphenyl	63		14 - 120	12/14/11 07:46	12/14/11 14:11	1.00
2-Fluorophenol	61		17 - 120	12/14/11 07:46	12/14/11 14:11	1.00
Nitrobenzene-d5	60		17 - 120	12/14/11 07:46	12/14/11 14:11	1.00

**Lab Sample ID: 11L2985-BS1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.13		mg/kg wet		68	36 - 120
Acenaphthylene	1.67	1.02		mg/kg wet		61	38 - 120
Anthracene	1.67	1.16		mg/kg wet		69	46 - 124
Benzo (a) anthracene	1.67	1.15		mg/kg wet		69	45 - 120
Benzo (a) pyrene	1.67	1.23		mg/kg wet		74	45 - 120
Benzo (b) fluoranthene	1.67	1.31		mg/kg wet		79	42 - 120
Benzo (g,h,i) perylene	1.67	1.18		mg/kg wet		71	38 - 120
Benzo (k) fluoranthene	1.67	1.00		mg/kg wet		60	42 - 120
4-Bromophenyl phenyl ether	1.67	1.21		mg/kg wet		72	40 - 120
Butyl benzyl phthalate	1.67	1.29		mg/kg wet		77	43 - 133
Carbazole	1.67	1.15		mg/kg wet		69	44 - 120
4-Chloro-3-methylphenol	1.67	1.07		mg/kg wet		64	38 - 120
4-Chloroaniline	1.67	1.08		mg/kg wet		64	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.10		mg/kg wet		66	32 - 120
Bis(2-chloroethyl)ether	1.67	1.10		mg/kg wet		66	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.20		mg/kg wet		72	32 - 120
2-Chloronaphthalene	1.67	0.965		mg/kg wet		58	34 - 120
2-Chlorophenol	1.67	1.07		mg/kg wet		64	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.17		mg/kg wet		70	42 - 120
Chrysene	1.67	1.15		mg/kg wet		69	43 - 120
Dibenz (a,h) anthracene	1.67	1.17		mg/kg wet		70	32 - 128
Dibenzofuran	1.67	1.20		mg/kg wet		72	41 - 120
Di-n-butyl phthalate	1.67	1.23		mg/kg wet		74	46 - 127
1,4-Dichlorobenzene	1.67	0.950		mg/kg wet		57	32 - 120
1,2-Dichlorobenzene	1.67	0.960		mg/kg wet		58	33 - 120
1,3-Dichlorobenzene	1.67	0.970		mg/kg wet		58	32 - 120
3,3-Dichlorobenzidine	1.67	1.13		mg/kg wet		68	39 - 120
2,4-Dichlorophenol	1.67	1.06		mg/kg wet		64	32 - 120
Diethyl phthalate	1.67	1.21		mg/kg wet		73	41 - 122
2,4-Dimethylphenol	1.67	1.13		mg/kg wet		68	32 - 120
Dimethyl phthalate	1.67	1.15		mg/kg wet		69	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.16		mg/kg wet		70	27 - 134
2,4-Dinitrophenol	1.67	1.13		mg/kg wet		68	23 - 142

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BS1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
2,6-Dinitrotoluene	1.67	1.00		mg/kg wet		60	43 - 120	
2,4-Dinitrotoluene	1.67	1.00		mg/kg wet		60	43 - 120	
Di-n-octyl phthalate	1.67	1.32		mg/kg wet		79	40 - 130	
Bis(2-ethylhexyl)phthalate	1.67	1.28		mg/kg wet		77	43 - 120	
Fluoranthene	1.67	1.15		mg/kg wet		69	46 - 120	
Fluorene	1.67	1.15		mg/kg wet		69	42 - 120	
Hexachlorobenzene	1.67	1.25		mg/kg wet		75	44 - 120	
Hexachlorobutadiene	1.67	1.22		mg/kg wet		73	31 - 120	
Hexachlorocyclopentadiene	1.67	0.689		mg/kg wet		41	24 - 120	
Hexachloroethane	1.67	1.14		mg/kg wet		68	33 - 120	
Indeno (1,2,3-cd) pyrene	1.67	1.17		mg/kg wet		70	41 - 121	
Isophorone	1.67	0.952		mg/kg wet		57	33 - 120	
2-Methylnaphthalene	1.67	1.06		mg/kg wet		64	28 - 120	
2-Methylphenol	1.67	0.983		mg/kg wet		59	36 - 120	
3/4-Methylphenol	1.67	1.00		mg/kg wet		60	37 - 120	
Naphthalene	1.67	1.06		mg/kg wet		63	32 - 120	
3-Nitroaniline	1.67	1.17		mg/kg wet		70	42 - 120	
2-Nitroaniline	1.67	1.18		mg/kg wet		71	40 - 120	
4-Nitroaniline	1.67	1.14		mg/kg wet		69	43 - 120	
Nitrobenzene	1.67	0.863		mg/kg wet		52	26 - 120	
4-Nitrophenol	1.67	1.21		mg/kg wet		72	32 - 136	
2-Nitrophenol	1.67	1.08		mg/kg wet		65	29 - 120	
N-Nitrosodiphenylamine	1.67	1.39		mg/kg wet		84	52 - 140	
N-Nitrosodi-n-propylamine	1.67	1.23		mg/kg wet		74	35 - 120	
Pentachlorophenol	1.67	1.16		mg/kg wet		70	44 - 134	
Phenanthrene	1.67	1.18		mg/kg wet		71	45 - 120	
Phenol	1.67	1.11		mg/kg wet		67	30 - 120	
Pyrene	1.67	1.20		mg/kg wet		72	43 - 120	
1,2,4-Trichlorobenzene	1.67	0.881		mg/kg wet		53	29 - 120	
2,4,6-Trichlorophenol	1.67	1.17		mg/kg wet		70	39 - 120	
2,4,5-Trichlorophenol	1.67	0.989		mg/kg wet		59	39 - 120	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	77		18 - 120
2,4,6-Tribromophenol	59		19 - 120
Phenol-d5	57		18 - 120
2-Fluorobiphenyl	60		14 - 120
2-Fluorophenol	59		17 - 120
Nitrobenzene-d5	53		17 - 120

**Lab Sample ID: 11L2985-BSD1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	
Acenaphthene	1.67	1.20		mg/kg wet		72	36 - 120	5	50	
Acenaphthylene	1.67	1.08		mg/kg wet		65	38 - 120	5	50	
Anthracene	1.67	1.25		mg/kg wet		75	46 - 124	8	49	
Benzo (a) anthracene	1.67	1.25		mg/kg wet		75	45 - 120	8	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BSD1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Benzo (a) pyrene	1.67	1.31		mg/kg wet		78	45 - 120	6	50	
Benzo (b) fluoranthene	1.67	1.41		mg/kg wet		85	42 - 120	7	50	
Benzo (g,h,i) perylene	1.67	1.30		mg/kg wet		78	38 - 120	9	50	
Benzo (k) fluoranthene	1.67	1.09		mg/kg wet		66	42 - 120	8	45	
4-Bromophenyl phenyl ether	1.67	1.30		mg/kg wet		78	40 - 120	7	37	
Butyl benzyl phthalate	1.67	1.38		mg/kg wet		83	43 - 133	7	50	
Carbazole	1.67	1.22		mg/kg wet		73	44 - 120	6	46	
4-Chloro-3-methylphenol	1.67	1.17		mg/kg wet		70	38 - 120	8	49	
4-Chloroaniline	1.67	1.15		mg/kg wet		69	35 - 120	7	50	
Bis(2-chloroethoxy)methane	1.67	1.18		mg/kg wet		71	32 - 120	7	50	
Bis(2-chloroethyl)ether	1.67	1.16		mg/kg wet		70	31 - 120	5	50	
Bis(2-chloroisopropyl)ether	1.67	1.24		mg/kg wet		74	32 - 120	3	50	
2-Chloronaphthalene	1.67	1.03		mg/kg wet		62	34 - 120	6	50	
2-Chlorophenol	1.67	1.13		mg/kg wet		68	32 - 120	6	50	
4-Chlorophenyl phenyl ether	1.67	1.24		mg/kg wet		74	42 - 120	6	50	
Chrysene	1.67	1.23		mg/kg wet		74	43 - 120	7	49	
Dibenz (a,h) anthracene	1.67	1.28		mg/kg wet		77	32 - 128	9	50	
Dibenzofuran	1.67	1.28		mg/kg wet		77	41 - 120	6	50	
Di-n-butyl phthalate	1.67	1.29		mg/kg wet		78	46 - 127	5	49	
1,4-Dichlorobenzene	1.67	0.984		mg/kg wet		59	32 - 120	4	50	
1,2-Dichlorobenzene	1.67	1.01		mg/kg wet		60	33 - 120	5	50	
1,3-Dichlorobenzene	1.67	1.01		mg/kg wet		60	32 - 120	4	50	
3,3-Dichlorobenzidine	1.67	1.19		mg/kg wet		71	39 - 120	5	50	
2,4-Dichlorophenol	1.67	1.17		mg/kg wet		70	32 - 120	9	50	
Diethyl phthalate	1.67	1.28		mg/kg wet		77	41 - 122	5	45	
2,4-Dimethylphenol	1.67	1.21		mg/kg wet		73	32 - 120	7	50	
Dimethyl phthalate	1.67	1.22		mg/kg wet		73	55 - 120	6	46	
4,6-Dinitro-2-methylphenol	1.67	1.23		mg/kg wet		74	27 - 134	6	50	
2,4-Dinitrophenol	1.67	1.21		mg/kg wet		73	23 - 142	7	50	
2,6-Dinitrotoluene	1.67	1.06		mg/kg wet		64	43 - 120	6	50	
2,4-Dinitrotoluene	1.67	1.06		mg/kg wet		64	43 - 120	6	50	
Di-n-octyl phthalate	1.67	1.43		mg/kg wet		86	40 - 130	8	50	
Bis(2-ethylhexyl)phthalate	1.67	1.39		mg/kg wet		83	43 - 120	8	50	
Fluoranthene	1.67	1.22		mg/kg wet		73	46 - 120	6	50	
Fluorene	1.67	1.22		mg/kg wet		73	42 - 120	6	50	
Hexachlorobenzene	1.67	1.31		mg/kg wet		79	44 - 120	5	50	
Hexachlorobutadiene	1.67	1.31		mg/kg wet		78	31 - 120	7	50	
Hexachlorocyclopentadiene	1.67	0.751		mg/kg wet		45	24 - 120	9	50	
Hexachloroethane	1.67	1.22		mg/kg wet		73	33 - 120	6	50	
Indeno (1,2,3-cd) pyrene	1.67	1.27		mg/kg wet		76	41 - 121	8	50	
Isophorone	1.67	1.03		mg/kg wet		62	33 - 120	7	50	
2-Methylnaphthalene	1.67	1.15		mg/kg wet		69	28 - 120	8	50	
2-Methylphenol	1.67	1.05		mg/kg wet		63	36 - 120	6	50	
3/4-Methylphenol	1.67	1.06		mg/kg wet		64	37 - 120	6	50	
Naphthalene	1.67	1.15		mg/kg wet		69	32 - 120	8	50	
3-Nitroaniline	1.67	1.23		mg/kg wet		74	42 - 120	4	49	
2-Nitroaniline	1.67	1.27		mg/kg wet		76	40 - 120	7	50	
4-Nitroaniline	1.67	1.20		mg/kg wet		72	43 - 120	5	49	
Nitrobenzene	1.67	0.915		mg/kg wet		55	26 - 120	6	50	
4-Nitrophenol	1.67	1.26		mg/kg wet		76	32 - 136	4	45	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-BSD1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	
2-Nitrophenol	1.67	1.16		mg/kg wet		69	29 - 120	7	50	
N-Nitrosodiphenylamine	1.67	1.48		mg/kg wet		89	52 - 140	6	50	
N-Nitrosodi-n-propylamine	1.67	1.31		mg/kg wet		78	35 - 120	6	50	
Pentachlorophenol	1.67	1.22		mg/kg wet		73	44 - 134	5	50	
Phenanthrene	1.67	1.24		mg/kg wet		74	45 - 120	5	50	
Phenol	1.67	1.17		mg/kg wet		70	30 - 120	5	50	
Pyrene	1.67	1.28		mg/kg wet		77	43 - 120	7	50	
1,2,4-Trichlorobenzene	1.67	0.966		mg/kg wet		58	29 - 120	9	50	
2,4,6-Trichlorophenol	1.67	1.24		mg/kg wet		74	39 - 120	6	50	
2,4,5-Trichlorophenol	1.67	1.04		mg/kg wet		63	39 - 120	5	50	

Surrogate	LCS Dup		Limits
	%Recovery	Qualifier	
Terphenyl-d14	83		18 - 120
2,4,6-Tribromophenol	65		19 - 120
Phenol-d5	62		18 - 120
2-Fluorobiphenyl	64		14 - 120
2-Fluorophenol	63		17 - 120
Nitrobenzene-d5	58		17 - 120

**Lab Sample ID: 11L2985-MS1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Acenaphthene	<0.0374		1.85	1.36		mg/kg dry	☼	73	19 - 120	
Acenaphthylene	<0.0374		1.85	1.23		mg/kg dry	☼	67	25 - 120	
Anthracene	<0.0374		1.85	1.38		mg/kg dry	☼	75	28 - 125	
Benzo (a) anthracene	<0.0374		1.85	1.39		mg/kg dry	☼	75	23 - 120	
Benzo (a) pyrene	<0.0374		1.85	1.48		mg/kg dry	☼	80	15 - 128	
Benzo (b) fluoranthene	<0.0374		1.85	1.43		mg/kg dry	☼	77	12 - 133	
Benzo (g,h,i) perylene	<0.0374		1.85	1.46		mg/kg dry	☼	79	22 - 120	
Benzo (k) fluoranthene	<0.0374		1.85	1.40		mg/kg dry	☼	75	28 - 120	
4-Bromophenyl phenyl ether	<0.184		1.85	1.45		mg/kg dry	☼	78	31 - 120	
Butyl benzyl phthalate	<0.184		1.85	1.61		mg/kg dry	☼	87	24 - 133	
Carbazole	<0.184		1.85	1.36		mg/kg dry	☼	73	25 - 123	
4-Chloro-3-methylphenol	<0.184		1.85	1.29		mg/kg dry	☼	70	21 - 120	
4-Chloroaniline	<0.184		1.85	1.25		mg/kg dry	☼	68	26 - 120	
Bis(2-chloroethoxy)methane	<0.184		1.85	1.26		mg/kg dry	☼	68	24 - 120	
Bis(2-chloroethyl)ether	<0.184		1.85	1.26		mg/kg dry	☼	68	22 - 120	
Bis(2-chloroisopropyl)ether	<0.184		1.85	1.38		mg/kg dry	☼	74	20 - 120	
2-Chloronaphthalene	<0.184		1.85	1.16		mg/kg dry	☼	63	24 - 120	
2-Chlorophenol	<0.184		1.85	1.24		mg/kg dry	☼	67	25 - 120	
4-Chlorophenyl phenyl ether	<0.184		1.85	1.44		mg/kg dry	☼	78	26 - 120	
Chrysene	<0.0374		1.85	1.40		mg/kg dry	☼	75	20 - 120	
Dibenz (a,h) anthracene	<0.0374		1.85	1.44		mg/kg dry	☼	78	12 - 128	
Dibenzofuran	<0.184		1.85	1.44		mg/kg dry	☼	78	21 - 120	
Di-n-butyl phthalate	<0.184		1.85	1.47		mg/kg dry	☼	79	29 - 126	
1,4-Dichlorobenzene	<0.184		1.85	1.10		mg/kg dry	☼	59	10 - 120	
1,2-Dichlorobenzene	<0.184		1.85	1.12		mg/kg dry	☼	61	10 - 120	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11L2985-MS1

Matrix: Soil

Analysis Batch: 11L2985

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11L2985\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,3-Dichlorobenzene	<0.184		1.85	1.11		mg/kg dry	*	60	10 - 120	
3,3-Dichlorobenzidine	<0.184		1.85	1.24		mg/kg dry	*	67	10 - 120	
2,4-Dichlorophenol	<0.184		1.85	1.26		mg/kg dry	*	68	17 - 120	
Diethyl phthalate	<0.184		1.85	1.43		mg/kg dry	*	77	29 - 122	
2,4-Dimethylphenol	<0.211		1.85	1.27		mg/kg dry	*	68	17 - 120	
Dimethyl phthalate	<0.184		1.85	1.35		mg/kg dry	*	73	30 - 120	
4,6-Dinitro-2-methylphenol	<0.184		1.85	1.32		mg/kg dry	*	71	10 - 134	
2,4-Dinitrophenol	<0.184		1.85	1.25		mg/kg dry	*	68	10 - 150	
2,6-Dinitrotoluene	<0.184		1.85	1.22		mg/kg dry	*	66	24 - 120	
2,4-Dinitrotoluene	<0.184		1.85	1.22		mg/kg dry	*	66	24 - 121	
Di-n-octyl phthalate	<0.184		1.85	1.59		mg/kg dry	*	86	27 - 130	
Bis(2-ethylhexyl)phthalate	<0.184		1.85	1.60		mg/kg dry	*	86	26 - 120	
Fluoranthene	<0.0374		1.85	1.39		mg/kg dry	*	75	10 - 143	
Fluorene	<0.0374		1.85	1.38		mg/kg dry	*	75	20 - 120	
Hexachlorobenzene	<0.184		1.85	1.47		mg/kg dry	*	80	25 - 120	
Hexachlorobutadiene	<0.184		1.85	1.44		mg/kg dry	*	78	10 - 120	
Hexachlorocyclopentadiene	<0.184		1.85	0.792		mg/kg dry	*	43	10 - 120	
Hexachloroethane	<0.184		1.85	1.32		mg/kg dry	*	71	10 - 120	
Indeno (1,2,3-cd) pyrene	<0.0374		1.85	1.42		mg/kg dry	*	77	22 - 121	
Isophorone	<0.184		1.85	1.10		mg/kg dry	*	59	24 - 120	
2-Methylnaphthalene	<0.0374		1.85	1.26		mg/kg dry	*	68	13 - 120	
2-Methylphenol	<0.184		1.85	1.15		mg/kg dry	*	62	23 - 120	
3/4-Methylphenol	<0.184		1.85	1.16		mg/kg dry	*	63	19 - 120	
Naphthalene	<0.0374		1.85	1.23		mg/kg dry	*	66	10 - 120	
3-Nitroaniline	<0.184		1.85	1.42		mg/kg dry	*	76	31 - 120	
2-Nitroaniline	<0.184		1.85	1.39		mg/kg dry	*	75	31 - 120	
4-Nitroaniline	<0.184		1.85	1.34		mg/kg dry	*	73	28 - 120	
Nitrobenzene	<0.184		1.85	0.977		mg/kg dry	*	53	19 - 120	
4-Nitrophenol	<0.184		1.85	1.44		mg/kg dry	*	78	16 - 139	
2-Nitrophenol	<0.215		1.85	1.22		mg/kg dry	*	66	23 - 120	
N-Nitrosodiphenylamine	<0.201		1.85	1.68		mg/kg dry	*	91	26 - 150	
N-Nitrosodi-n-propylamine	<0.184		1.85	1.42		mg/kg dry	*	77	24 - 120	
Pentachlorophenol	<0.184		1.85	1.38		mg/kg dry	*	74	19 - 145	
Phenanthrene	<0.0374		1.85	1.38		mg/kg dry	*	75	21 - 122	
Phenol	<0.184		1.85	1.28		mg/kg dry	*	69	15 - 120	
Pyrene	<0.0374		1.85	1.46		mg/kg dry	*	79	20 - 123	
1,2,4-Trichlorobenzene	<0.184		1.85	1.06		mg/kg dry	*	57	14 - 120	
2,4,6-Trichlorophenol	<0.184		1.85	1.37		mg/kg dry	*	74	24 - 122	
2,4,5-Trichlorophenol	<0.184		1.85	1.20		mg/kg dry	*	65	27 - 120	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Terphenyl-d14	85		18 - 120
2,4,6-Tribromophenol	64		19 - 120
Phenol-d5	60		18 - 120
2-Fluorobiphenyl	65		14 - 120
2-Fluorophenol	61		17 - 120
Nitrobenzene-d5	55		17 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 11L2985-MSD1**

**Matrix: Soil**

**Analysis Batch: 11L2985**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2985\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits		RPD	RPD Limit
									%Rec.	RPD		
Acenaphthene	<0.0374		1.85	1.21		mg/kg dry	*	65	19 - 120	12	50	
Acenaphthylene	<0.0374		1.85	1.09		mg/kg dry	*	59	25 - 120	13	50	
Anthracene	<0.0374		1.85	1.25		mg/kg dry	*	67	28 - 125	10	49	
Benzo (a) anthracene	<0.0374		1.85	1.22		mg/kg dry	*	66	23 - 120	13	50	
Benzo (a) pyrene	<0.0374		1.85	1.32		mg/kg dry	*	71	15 - 128	11	50	
Benzo (b) fluoranthene	<0.0374		1.85	1.35		mg/kg dry	*	73	12 - 133	6	50	
Benzo (g,h,i) perylene	<0.0374		1.85	1.28		mg/kg dry	*	69	22 - 120	14	50	
Benzo (k) fluoranthene	<0.0374		1.85	1.15		mg/kg dry	*	62	28 - 120	20	45	
4-Bromophenyl phenyl ether	<0.184		1.85	1.30		mg/kg dry	*	70	31 - 120	11	37	
Butyl benzyl phthalate	<0.184		1.85	1.42		mg/kg dry	*	77	24 - 133	12	50	
Carbazole	<0.184		1.85	1.24		mg/kg dry	*	67	25 - 123	9	46	
4-Chloro-3-methylphenol	<0.184		1.85	1.15		mg/kg dry	*	62	21 - 120	11	49	
4-Chloroaniline	<0.184		1.85	1.13		mg/kg dry	*	61	26 - 120	10	50	
Bis(2-chloroethoxy)methane	<0.184		1.85	1.15		mg/kg dry	*	62	24 - 120	8	50	
Bis(2-chloroethyl)ether	<0.184		1.85	1.16		mg/kg dry	*	63	22 - 120	8	50	
Bis(2-chloroisopropyl)ether	<0.184		1.85	1.24		mg/kg dry	*	67	20 - 120	10	50	
2-Chloronaphthalene	<0.184		1.85	1.02		mg/kg dry	*	55	24 - 120	13	50	
2-Chlorophenol	<0.184		1.85	1.12		mg/kg dry	*	60	25 - 120	10	50	
4-Chlorophenyl phenyl ether	<0.184		1.85	1.24		mg/kg dry	*	67	26 - 120	15	50	
Chrysene	<0.0374		1.85	1.20		mg/kg dry	*	65	20 - 120	15	49	
Dibenz (a,h) anthracene	<0.0374		1.85	1.28		mg/kg dry	*	69	12 - 128	12	50	
Dibenzofuran	<0.184		1.85	1.29		mg/kg dry	*	69	21 - 120	11	50	
Di-n-butyl phthalate	<0.184		1.85	1.32		mg/kg dry	*	71	29 - 126	11	49	
1,4-Dichlorobenzene	<0.184		1.85	0.985		mg/kg dry	*	53	10 - 120	11	50	
1,2-Dichlorobenzene	<0.184		1.85	1.01		mg/kg dry	*	54	10 - 120	11	50	
1,3-Dichlorobenzene	<0.184		1.85	1.00		mg/kg dry	*	54	10 - 120	10	50	
3,3-Dichlorobenzidine	<0.184		1.85	1.17		mg/kg dry	*	63	10 - 120	6	50	
2,4-Dichlorophenol	<0.184		1.85	1.13		mg/kg dry	*	61	17 - 120	10	50	
Diethyl phthalate	<0.184		1.85	1.27		mg/kg dry	*	69	29 - 122	11	45	
2,4-Dimethylphenol	<0.211		1.85	1.19		mg/kg dry	*	64	17 - 120	6	50	
Dimethyl phthalate	<0.184		1.85	1.19		mg/kg dry	*	64	30 - 120	13	46	
4,6-Dinitro-2-methylphenol	<0.184		1.85	1.09		mg/kg dry	*	59	10 - 134	19	50	
2,4-Dinitrophenol	<0.184		1.85	0.860		mg/kg dry	*	46	10 - 150	37	50	
2,6-Dinitrotoluene	<0.184		1.85	1.05		mg/kg dry	*	57	24 - 120	15	50	
2,4-Dinitrotoluene	<0.184		1.85	1.05		mg/kg dry	*	57	24 - 121	15	50	
Di-n-octyl phthalate	<0.184		1.85	1.45		mg/kg dry	*	78	27 - 130	9	50	
Bis(2-ethylhexyl)phthalate	<0.184		1.85	1.44		mg/kg dry	*	78	26 - 120	10	50	
Fluoranthene	<0.0374		1.85	1.25		mg/kg dry	*	67	10 - 143	11	50	
Fluorene	<0.0374		1.85	1.23		mg/kg dry	*	66	20 - 120	12	50	
Hexachlorobenzene	<0.184		1.85	1.30		mg/kg dry	*	70	25 - 120	12	50	
Hexachlorobutadiene	<0.184		1.85	1.31		mg/kg dry	*	71	10 - 120	10	50	
Hexachlorocyclopentadiene	<0.184		1.85	0.708		mg/kg dry	*	38	10 - 120	11	50	
Hexachloroethane	<0.184		1.85	1.21		mg/kg dry	*	65	10 - 120	9	50	
Indeno (1,2,3-cd) pyrene	<0.0374		1.85	1.25		mg/kg dry	*	68	22 - 121	12	50	
Isophorone	<0.184		1.85	1.01		mg/kg dry	*	55	24 - 120	8	50	
2-Methylnaphthalene	<0.0374		1.85	1.14		mg/kg dry	*	61	13 - 120	10	50	
2-Methylphenol	<0.184		1.85	1.03		mg/kg dry	*	56	23 - 120	11	50	
3/4-Methylphenol	<0.184		1.85	1.05		mg/kg dry	*	57	19 - 120	10	50	
Naphthalene	<0.0374		1.85	1.13		mg/kg dry	*	61	10 - 120	8	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 11L2985-MSD1

Matrix: Soil

Analysis Batch: 11L2985

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11L2985\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
3-Nitroaniline	<0.184		1.85	1.25		mg/kg dry	*	67	31 - 120	13	49
2-Nitroaniline	<0.184		1.85	1.27		mg/kg dry	*	69	31 - 120	9	50
4-Nitroaniline	<0.184		1.85	1.22		mg/kg dry	*	66	28 - 120	10	49
Nitrobenzene	<0.184		1.85	0.917		mg/kg dry	*	49	19 - 120	6	50
4-Nitrophenol	<0.184		1.85	1.29		mg/kg dry	*	70	16 - 139	11	45
2-Nitrophenol	<0.215		1.85	1.13		mg/kg dry	*	61	23 - 120	7	50
N-Nitrosodiphenylamine	<0.201		1.85	1.52		mg/kg dry	*	82	26 - 150	10	50
N-Nitrosodi-n-propylamine	<0.184		1.85	1.28		mg/kg dry	*	69	24 - 120	10	50
Pentachlorophenol	<0.184		1.85	1.17		mg/kg dry	*	63	19 - 145	16	50
Phenanthrene	<0.0374		1.85	1.25		mg/kg dry	*	68	21 - 122	10	50
Phenol	<0.184		1.85	1.15		mg/kg dry	*	62	15 - 120	11	50
Pyrene	<0.0374		1.85	1.28		mg/kg dry	*	69	20 - 123	13	50
1,2,4-Trichlorobenzene	<0.184		1.85	0.959		mg/kg dry	*	52	14 - 120	10	50
2,4,6-Trichlorophenol	<0.184		1.85	1.25		mg/kg dry	*	68	24 - 122	9	50
2,4,5-Trichlorophenol	<0.184		1.85	1.05		mg/kg dry	*	57	27 - 120	14	50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits
Terphenyl-d14	72		18 - 120
2,4,6-Tribromophenol	55		19 - 120
Phenol-d5	53		18 - 120
2-Fluorobiphenyl	55		14 - 120
2-Fluorophenol	52		17 - 120
Nitrobenzene-d5	49		17 - 120

## Method: SW846 6010C - Total Metals by EPA 6010C

Lab Sample ID: 11L2842-BLK1

Matrix: Water

Analysis Batch: 11L2842

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2842\_P

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Calcium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Magnesium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Potassium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 01:22	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2842-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2842**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11L2842\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	0.888	J	1.00	0.500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/13/11 12:10	12/16/11 01:22	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 01:22	1.00

**Lab Sample ID: 11L2842-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2842**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L2842\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	2.00	2.00		mg/L		100	80 - 120	
Antimony	0.100	0.119		mg/L		119	80 - 120	
Arsenic	0.0500	0.0487		mg/L		97	80 - 120	
Barium	2.00	2.10		mg/L		105	80 - 120	
Beryllium	0.0500	0.0512		mg/L		102	80 - 120	
Cadmium	0.0500	0.0518		mg/L		104	80 - 120	
Calcium	5.00	5.16		mg/L		103	80 - 120	
Chromium	0.200	0.202		mg/L		101	80 - 120	
Cobalt	0.500	0.506		mg/L		101	80 - 120	
Copper	0.250	0.255		mg/L		102	80 - 120	
Iron	1.00	1.09		mg/L		109	80 - 120	
Lead	0.0500	0.0520		mg/L		104	80 - 120	
Magnesium	5.00	5.02		mg/L		100	80 - 120	
Manganese	0.500	0.525		mg/L		105	80 - 120	
Nickel	0.500	0.519		mg/L		104	80 - 120	
Potassium	5.00	5.10		mg/L		102	80 - 120	
Selenium	0.0500	0.0519		mg/L		104	80 - 120	
Silver	0.0500	0.0510		mg/L		102	80 - 120	
Sodium	5.00	5.70	B	mg/L		114	80 - 120	
Thallium	0.0500	0.0466		mg/L		93	80 - 120	
Vanadium	0.500	0.510		mg/L		102	80 - 120	
Zinc	0.500	0.498		mg/L		100	80 - 120	

**Lab Sample ID: 11L2842-BSD1**  
**Matrix: Water**  
**Analysis Batch: 11L2842**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 11L2842\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	RPD	Limit
Aluminum	2.00	2.03		mg/L		101	80 - 120	1	20	
Antimony	0.100	0.118		mg/L		118	80 - 120	0.3	20	
Arsenic	0.0500	0.0498		mg/L		100	80 - 120	2	20	
Barium	2.00	2.12		mg/L		106	80 - 120	0.8	20	
Beryllium	0.0500	0.0522		mg/L		104	80 - 120	2	20	
Cadmium	0.0500	0.0523		mg/L		105	80 - 120	1	20	
Calcium	5.00	5.21		mg/L		104	80 - 120	1	20	
Chromium	0.200	0.205		mg/L		102	80 - 120	1	20	
Cobalt	0.500	0.512		mg/L		102	80 - 120	1	20	
Copper	0.250	0.257		mg/L		103	80 - 120	0.7	20	
Iron	1.00	1.16		mg/L		116	80 - 120	6	20	
Lead	0.0500	0.0516		mg/L		103	80 - 120	0.8	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2842-BSD1**  
**Matrix: Water**  
**Analysis Batch: 11L2842**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 11L2842\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Magnesium	5.00	5.11		mg/L		102	80 - 120	2	20	
Manganese	0.500	0.536		mg/L		107	80 - 120	2	20	
Nickel	0.500	0.527		mg/L		105	80 - 120	1	20	
Potassium	5.00	5.14		mg/L		103	80 - 120	0.7	20	
Selenium	0.0500	0.0520		mg/L		104	80 - 120	0.2	20	
Silver	0.0500	0.0515		mg/L		103	80 - 120	1	20	
Sodium	5.00	5.75	B	mg/L		115	80 - 120	0.8	20	
Thallium	0.0500	0.0472		mg/L		94	80 - 120	1	20	
Vanadium	0.500	0.518		mg/L		104	80 - 120	1	20	
Zinc	0.500	0.500		mg/L		100	80 - 120	0.5	20	

**Lab Sample ID: 11L2842-MS1**  
**Matrix: Water**  
**Analysis Batch: 11L2842**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11L2842\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	<0.500		2.00	2.06	M4	mg/L		103	75 - 125	
Antimony	<0.0500		0.100	0.128	M4	mg/L		128	75 - 125	
Arsenic	<0.0500		0.0500	0.0598	M4	mg/L		120	75 - 125	
Barium	18.3		2.00	18.9	M4	mg/L		31	75 - 125	
Beryllium	<0.0200		0.0500	0.0482	M4	mg/L		96	75 - 125	
Cadmium	<0.00600		0.0500	0.0498	M4	mg/L		100	75 - 125	
Calcium	1050		5.00	892	M4	mg/L		-3250	75 - 125	
Chromium	<0.0250		0.200	0.189	M4	mg/L		95	75 - 125	
Cobalt	<0.100		0.500	0.552	M4	mg/L		110	75 - 125	
Copper	<0.0500		0.250	0.264	M4	mg/L		106	75 - 125	
Iron	1.46		1.00	2.39	M4	mg/L		93	75 - 125	
Lead	<0.0250		0.0500	0.0616	M4	mg/L		123	75 - 125	
Magnesium	18.4		5.00	21.3	M4	mg/L		57	75 - 125	
Manganese	0.249		0.500	0.741	M4	mg/L		98	75 - 125	
Nickel	<0.0500		0.500	0.561	M4	mg/L		112	75 - 125	
Potassium	181		5.00	216	M4	mg/L		694	75 - 125	
Selenium	<0.0500		0.0500	0.0615	M4	mg/L		123	75 - 125	
Silver	<0.0250		0.0500	0.0674	M4	mg/L		135	75 - 125	
Sodium	12900		5.00	<0.500	M4	mg/L		-2590	75 - 125	
Thallium	<0.0500		0.0500	0.0403	M4	mg/L		81	75 - 125	
Vanadium	<0.100		0.500	0.487	M4	mg/L		97	75 - 125	
Zinc	<0.250		0.500	0.714	M4	mg/L		143	75 - 125	

**Lab Sample ID: 11L2842-MSD1**  
**Matrix: Water**  
**Analysis Batch: 11L2842**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11L2842\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	<0.500		2.00	2.08	M4	mg/L		104	75 - 125	1
Antimony	<0.0500		0.100	0.133	M4	mg/L		133	75 - 125	4
Arsenic	<0.0500		0.0500	0.0591	M4	mg/L		118	75 - 125	1
Barium	18.3		2.00	18.9	M4	mg/L		31	75 - 125	0
Beryllium	<0.0200		0.0500	0.0490	M4	mg/L		98	75 - 125	2

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2842-MSD1**

**Matrix: Water**

**Analysis Batch: 11L2842**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2842\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Cadmium	<0.00600		0.0500	0.0501	M4	mg/L		100	75 - 125	0.6		20
Calcium	1050		5.00	904	M4	mg/L		-3010	75 - 125	1		20
Chromium	<0.0250		0.200	0.191	M4	mg/L		95	75 - 125	0.8		20
Cobalt	<0.100		0.500	0.560	M4	mg/L		112	75 - 125	1		20
Copper	<0.0500		0.250	0.268	M4	mg/L		107	75 - 125	2		20
Iron	1.46		1.00	2.33	M4	mg/L		87	75 - 125	3		20
Lead	<0.0250		0.0500	0.0636	M4	mg/L		127	75 - 125	3		20
Magnesium	18.4		5.00	21.4	M4	mg/L		60	75 - 125	0.7		20
Manganese	0.249		0.500	0.732	M4	mg/L		97	75 - 125	1		20
Nickel	<0.0500		0.500	0.568	M4	mg/L		114	75 - 125	1		20
Potassium	181		5.00	216	M4	mg/L		698	75 - 125	0.09		20
Selenium	<0.0500		0.0500	0.0586	M4	mg/L		117	75 - 125	5		20
Silver	<0.0250		0.0500	0.0689	M4	mg/L		138	75 - 125	2		20
Sodium	12900		5.00	<0.500	M4	mg/L		-2590	75 - 125			20
Thallium	<0.0500		0.0500	0.0412	M4	mg/L		82	75 - 125	2		20
Vanadium	<0.100		0.500	0.495	M4	mg/L		99	75 - 125	2		20
Zinc	<0.250		0.500	0.709	M4	mg/L		142	75 - 125	0.7		20

**Lab Sample ID: 11L2851-BLK1**

**Matrix: Soil**

**Analysis Batch: U021783**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11L2851\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<10.1		20.2	10.1	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Antimony	<5.05		10.1	5.05	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Arsenic	<0.505		1.01	0.505	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Barium	<1.01		2.02	1.01	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Beryllium	<0.505		1.01	0.505	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Cadmium	<0.505		1.01	0.505	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Calcium	<50.5		101	50.5	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Chromium	<0.505		1.01	0.505	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Cobalt	<1.52		3.03	1.52	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Copper	<1.01		2.02	1.01	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Iron	<5.05		10.1	5.05	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Lead	<0.505		1.01	0.505	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Magnesium	<50.5		101	50.5	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Manganese	<1.52		3.03	1.52	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Nickel	<1.01		2.02	1.01	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Potassium	<50.5		101	50.5	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Selenium	<1.01		2.02	1.01	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Silver	<0.505		1.01	0.505	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Sodium	<101		202	101	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Thallium	<1.01		2.02	1.01	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Vanadium	<5.05		10.1	5.05	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00
Zinc	<5.05		10.1	5.05	mg/kg wet		12/12/11 06:30	12/12/11 15:03	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2851-BS1**  
**Matrix: Soil**  
**Analysis Batch: U021783**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L2851\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	808	763		mg/kg wet		94	80 - 120
Antimony	40.4	43.0		mg/kg wet		106	80 - 120
Arsenic	20.2	20.0		mg/kg wet		99	80 - 120
Barium	808	852		mg/kg wet		105	80 - 120
Beryllium	20.2	19.6		mg/kg wet		97	80 - 120
Cadmium	20.2	19.9		mg/kg wet		99	80 - 120
Calcium	2020	1970		mg/kg wet		98	80 - 120
Chromium	80.8	76.2		mg/kg wet		94	80 - 120
Cobalt	202	199		mg/kg wet		99	80 - 120
Copper	101	95.0		mg/kg wet		94	80 - 120
Iron	404	386		mg/kg wet		95	80 - 120
Lead	20.2	20.7		mg/kg wet		102	80 - 120
Magnesium	2020	2020		mg/kg wet		100	80 - 120
Manganese	202	200		mg/kg wet		99	80 - 120
Nickel	202	206		mg/kg wet		102	80 - 120
Potassium	2020	1880		mg/kg wet		93	80 - 120
Selenium	20.2	20.3		mg/kg wet		101	80 - 120
Silver	20.2	19.1		mg/kg wet		94	75 - 125
Sodium	2020	1940		mg/kg wet		96	80 - 120
Thallium	20.2	18.0		mg/kg wet		89	80 - 120
Vanadium	202	194		mg/kg wet		96	80 - 120
Zinc	202	187		mg/kg wet		92	80 - 120

**Lab Sample ID: 11L2851-MS1**  
**Matrix: Soil**  
**Analysis Batch: U021783**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11L2851\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	9350		974	10000	MHA	mg/kg dry	☼	67	75 - 125
Antimony	<6.27		48.7	52.2		mg/kg dry	☼	107	75 - 125
Arsenic	22.0		24.3	40.8		mg/kg dry	☼	77	75 - 125
Barium	28.4		974	1050		mg/kg dry	☼	105	75 - 125
Beryllium	<0.627		24.3	23.7		mg/kg dry	☼	97	75 - 125
Cadmium	<0.627		24.3	23.5		mg/kg dry	☼	97	75 - 125
Calcium	2190		2430	5420	M7	mg/kg dry	☼	133	75 - 125
Chromium	10.4		97.4	101		mg/kg dry	☼	93	75 - 125
Cobalt	2.26		243	250		mg/kg dry	☼	102	75 - 125
Copper	32.0		122	138		mg/kg dry	☼	87	75 - 125
Iron	10400		487	10200	MHA	mg/kg dry	☼	-40	75 - 125
Lead	22.1		24.3	45.0		mg/kg dry	☼	94	75 - 125
Magnesium	1480		2430	4000		mg/kg dry	☼	103	75 - 125
Manganese	113		243	363		mg/kg dry	☼	102	75 - 125
Nickel	5.21		243	261		mg/kg dry	☼	105	75 - 125
Potassium	1090		2430	3510		mg/kg dry	☼	99	75 - 125
Selenium	<1.25		24.3	25.0		mg/kg dry	☼	103	75 - 125
Silver	<0.627		24.3	23.2		mg/kg dry	☼	95	75 - 125
Sodium	<125		2430	2470		mg/kg dry	☼	101	75 - 125
Thallium	<1.25		24.3	21.2		mg/kg dry	☼	87	75 - 125
Vanadium	16.5		243	250		mg/kg dry	☼	96	75 - 125
Zinc	27.4		243	251		mg/kg dry	☼	92	75 - 125



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 11L2851-MSD1**

**Matrix: Soil**

**Analysis Batch: U021783**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 11L2851\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aluminum	9350		970	10600		mg/kg dry	*	125	75 - 125	5	20	
Antimony	<6.27		48.5	51.4		mg/kg dry	*	106	75 - 125	2	20	
Arsenic	22.0		24.3	42.1		mg/kg dry	*	83	75 - 125	3	20	
Barium	28.4		970	1050		mg/kg dry	*	105	75 - 125	0.2	20	
Beryllium	<0.627		24.3	23.5		mg/kg dry	*	97	75 - 125	1	20	
Cadmium	<0.627		24.3	22.9		mg/kg dry	*	94	75 - 125	3	20	
Calcium	2190		2430	4710		mg/kg dry	*	104	75 - 125	14	20	
Chromium	10.4		97.0	99.4		mg/kg dry	*	92	75 - 125	1	20	
Cobalt	2.26		243	246		mg/kg dry	*	101	75 - 125	1	20	
Copper	32.0		121	139		mg/kg dry	*	88	75 - 125	0.6	20	
Iron	10400		485	10900		mg/kg dry	*	104	75 - 125	7	20	
Lead	22.1		24.3	46.1		mg/kg dry	*	99	75 - 125	2	20	
Magnesium	1480		2430	3860		mg/kg dry	*	98	75 - 125	3	20	
Manganese	113		243	353		mg/kg dry	*	99	75 - 125	3	20	
Nickel	5.21		243	257		mg/kg dry	*	104	75 - 125	2	20	
Potassium	1090		2430	3470		mg/kg dry	*	98	75 - 125	1	20	
Selenium	<1.25		24.3	24.4		mg/kg dry	*	101	75 - 125	2	20	
Silver	<0.627		24.3	22.7		mg/kg dry	*	94	75 - 125	2	20	
Sodium	<125		2430	2440		mg/kg dry	*	100	75 - 125	1	20	
Thallium	<1.25		24.3	20.6		mg/kg dry	*	85	75 - 125	3	20	
Vanadium	16.5		243	247		mg/kg dry	*	95	75 - 125	1	20	
Zinc	27.4		243	248		mg/kg dry	*	91	75 - 125	1	20	

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 11L2841-BLK1**

**Matrix: Water**

**Analysis Batch: 11L2841**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 11L2841\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Calcium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Copper	0.00510	J	0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Magnesium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Potassium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Sodium	<0.500		1.00	0.500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		12/13/11 12:10	12/16/11 05:26	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11L2841-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2841**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2841\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/13/11 12:10	12/16/11 05:26	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 05:26	1.00

**Lab Sample ID: 11L2841-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2841**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2841\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0250		0.0500	0.0250	mg/L		12/13/11 12:10	12/16/11 10:10	1.00

**Lab Sample ID: 11L2841-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2841**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2841\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	2.00	2.10		mg/L		105	80 - 120
Antimony	0.100	0.118		mg/L		118	80 - 120
Arsenic	0.0500	0.0517		mg/L		103	80 - 120
Barium	2.00	2.20		mg/L		110	80 - 120
Beryllium	0.0500	0.0540		mg/L		108	80 - 120
Cadmium	0.0500	0.0542		mg/L		108	80 - 120
Calcium	5.00	5.40		mg/L		108	80 - 120
Chromium	0.200	0.213		mg/L		106	80 - 120
Cobalt	0.500	0.538		mg/L		108	80 - 120
Copper	0.250	0.266	B	mg/L		106	80 - 120
Iron	1.00	1.14		mg/L		114	80 - 120
Lead	0.0500	0.0560		mg/L		112	80 - 120
Magnesium	5.00	5.55		mg/L		111	80 - 120
Manganese	0.500	0.548		mg/L		110	80 - 120
Nickel	0.500	0.550		mg/L		110	80 - 120
Potassium	5.00	5.09		mg/L		102	80 - 120
Selenium	0.0500	0.0537		mg/L		107	80 - 120
Silver	0.0500	0.0540		mg/L		108	80 - 120
Sodium	5.00	5.40		mg/L		108	80 - 120
Thallium	0.0500	0.0471		mg/L		94	80 - 120
Vanadium	0.500	0.528		mg/L		106	80 - 120
Zinc	0.500	0.522		mg/L		104	80 - 120

**Lab Sample ID: 11L2841-MS1**  
**Matrix: Water**  
**Analysis Batch: 11L2841**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2841\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	<0.0500		2.00	2.08		mg/L		104	75 - 125
Antimony	<0.00500		0.100	0.112		mg/L		112	75 - 125
Arsenic	<0.00500		0.0500	0.0504		mg/L		101	75 - 125
Barium	0.0366		2.00	2.12		mg/L		104	75 - 125
Beryllium	<0.00200		0.0500	0.0529		mg/L		106	75 - 125
Cadmium	<0.000600		0.0500	0.0519		mg/L		104	75 - 125
Calcium	73.9		5.00	83.0	MHA	mg/L		183	75 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 11L2841-MS1**

**Matrix: Water**

**Analysis Batch: 11L2841**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 11L2841\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Chromium	<0.00250		0.200	0.204		mg/L		102	75 - 125	
Cobalt	<0.0100		0.500	0.526		mg/L		105	75 - 125	
Copper	<0.00500		0.250	0.260	B	mg/L		104	75 - 125	
Iron	0.170		1.00	1.09		mg/L		92	75 - 125	
Lead	<0.00250		0.0500	0.0453		mg/L		91	75 - 125	
Magnesium	8.00		5.00	13.6		mg/L		112	75 - 125	
Manganese	0.0595		0.500	0.586		mg/L		105	75 - 125	
Nickel	<0.00500		0.500	0.536		mg/L		107	75 - 125	
Potassium	5.57		5.00	10.8		mg/L		105	75 - 125	
Selenium	<0.00500		0.0500	0.0527		mg/L		105	75 - 125	
Silver	<0.00250		0.0500	0.0534		mg/L		107	75 - 125	
Sodium	24.7		5.00	30.9	MHA	mg/L		124	75 - 125	
Thallium	<0.00500		0.0500	0.0442		mg/L		88	75 - 125	
Vanadium	<0.0100		0.500	0.511		mg/L		102	75 - 125	
Zinc	<0.0250		0.500	0.526		mg/L		105	75 - 125	

**Lab Sample ID: 11L2841-MSD1**

**Matrix: Water**

**Analysis Batch: 11L2841**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 11L2841\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Aluminum	<0.0500		2.00	2.05		mg/L		102	75 - 125	1	20
Antimony	<0.00500		0.100	0.113		mg/L		113	75 - 125	1	20
Arsenic	<0.00500		0.0500	0.0530		mg/L		106	75 - 125	5	20
Barium	0.0366		2.00	2.15		mg/L		106	75 - 125	1	20
Beryllium	<0.00200		0.0500	0.0534		mg/L		107	75 - 125	0.9	20
Cadmium	<0.000600		0.0500	0.0522		mg/L		104	75 - 125	0.6	20
Calcium	73.9		5.00	83.9	MHA	mg/L		201	75 - 125	1	20
Chromium	<0.00250		0.200	0.205		mg/L		103	75 - 125	0.7	20
Cobalt	<0.0100		0.500	0.534		mg/L		107	75 - 125	2	20
Copper	<0.00500		0.250	0.258	B	mg/L		103	75 - 125	0.4	20
Iron	0.170		1.00	1.10		mg/L		93	75 - 125	2	20
Lead	<0.00250		0.0500	0.0476		mg/L		95	75 - 125	5	20
Magnesium	8.00		5.00	13.7		mg/L		114	75 - 125	1	20
Manganese	0.0595		0.500	0.584		mg/L		105	75 - 125	0.2	20
Nickel	<0.00500		0.500	0.544		mg/L		109	75 - 125	1	20
Potassium	5.57		5.00	11.0		mg/L		108	75 - 125	1	20
Selenium	<0.00500		0.0500	0.0537		mg/L		107	75 - 125	2	20
Silver	<0.00250		0.0500	0.0531		mg/L		106	75 - 125	0.6	20
Sodium	24.7		5.00	31.2	MHA	mg/L		131	75 - 125	1	20
Thallium	<0.00500		0.0500	0.0453		mg/L		91	75 - 125	2	20
Vanadium	<0.0100		0.500	0.512		mg/L		102	75 - 125	0.2	20
Zinc	<0.0250		0.500	0.533		mg/L		107	75 - 125	1	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 11L2880-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2880**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11L2880\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		12/12/11 12:00	12/13/11 12:12	1.00

**Lab Sample ID: 11L2880-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2880**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L2880\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.00104		mg/L		104	80 - 120

**Lab Sample ID: 11L2880-MS1**  
**Matrix: Water**  
**Analysis Batch: 11L2880**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11L2880\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.000100		0.00100	0.00102		mg/L		102	75 - 125

**Lab Sample ID: 11L2880-MSD1**  
**Matrix: Water**  
**Analysis Batch: 11L2880**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11L2880\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.000100		0.00100	0.000960		mg/L		96	75 - 125	6	20

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 11L2881-BLK1**  
**Matrix: Water**  
**Analysis Batch: 11L2881**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2881\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		12/12/11 13:55	12/13/11 10:35	1.00

**Lab Sample ID: 11L2881-BS1**  
**Matrix: Water**  
**Analysis Batch: 11L2881**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2881\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.00105		mg/L		105	80 - 120

**Lab Sample ID: 11L2881-BSD1**  
**Matrix: Water**  
**Analysis Batch: 11L2881**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2881\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.00104		mg/L		104	80 - 120	1	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 11L2881-MS1**  
**Matrix: Water**  
**Analysis Batch: 11L2881**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2881\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.000852		mg/L		85	75 - 125

**Lab Sample ID: 11L2881-MSD1**  
**Matrix: Water**  
**Analysis Batch: 11L2881**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 11L2881\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.000817		mg/L		82	75 - 125	4	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 11L2899-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 11L2899**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11L2899\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.049		0.099	0.049	mg/kg wet		12/12/11 14:20	12/16/11 10:06	1.0

**Lab Sample ID: 11L2899-BS1**  
**Matrix: Soil**  
**Analysis Batch: 11L2899**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11L2899\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.164	0.16		mg/kg wet		97	80 - 120

**Lab Sample ID: 11L2899-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 11L2899**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 11L2899\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.165	0.15		mg/kg wet		93	80 - 120	3	20

**Lab Sample ID: 11L2899-MS1**  
**Matrix: Soil**  
**Analysis Batch: 11L2899**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11L2899\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	0.061		0.182	0.26		mg/kg dry	☼	108	80 - 120

**Lab Sample ID: 11L2899-MSD1**  
**Matrix: Soil**  
**Analysis Batch: 11L2899**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 11L2899\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.061		0.186	0.24		mg/kg dry	☼	99	80 - 120	5	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11L4796-DUP1  
Matrix: Soil  
Analysis Batch: 11L4796

Client Sample ID: Duplicate  
Prep Type: Total  
Prep Batch: 11L4796\_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Dry Solids	86.2		88.2		%	--	2	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## GCMS Volatiles

### Analysis Batch: U021853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3157-BLK1	Method Blank	Total	Water	SW846 8260B	11L3157_P
11L3157-BS1	Lab Control Sample	Total	Water	SW846 8260B	11L3157_P
11L3157-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	11L3157_P
11L3157-MS1	Matrix Spike	Total	Water	SW846 8260B	11L3157_P
11L3157-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	11L3157_P
NVL1571-03	Tract 45 TW-1 (17-21)	Total	Ground Water	SW846 8260B	11L3157_P
NVL1571-04	Trip Blank	Total	Water	SW846 8260B	11L3157_P

### Analysis Batch: U022319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4221-BLK1	Method Blank	Total	Soil	SW846 8260B	11L4221_P
11L4221-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11L4221_P
11L4221-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11L4221_P
11L4221-MS1	Matrix Spike	Total	Soil	SW846 8260B	11L4221_P
11L4221-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11L4221_P
NVL1571-01	Tract 45 SB-1 (0-2)	Total	Soil	SW846 8260B	11L4221_P
NVL1571-02	Tract 45 SB-1 (14-18)	Total	Soil	SW846 8260B	11L4221_P

### Prep Batch: 11L3157\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3157-BLK1	Method Blank	Total	Water	EPA 5030B	
11L3157-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11L3157-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
11L3157-MS1	Matrix Spike	Total	Water	EPA 5030B	
11L3157-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NVL1571-03	Tract 45 TW-1 (17-21)	Total	Ground Water	EPA 5030B	
NVL1571-04	Trip Blank	Total	Water	EPA 5030B	

### Prep Batch: 11L4221\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4221-BLK1	Method Blank	Total	Soil	EPA 5035	
11L4221-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11L4221-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11L4221-MS1	Matrix Spike	Total	Soil	EPA 5035	
11L4221-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NVL1571-01	Tract 45 SB-1 (0-2)	Total	Soil	EPA 5035	
NVL1571-02	Tract 45 SB-1 (14-18)	Total	Soil	EPA 5035	

## GCMS Semivolatiles

### Analysis Batch: 11L2806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2806-BLK1	Method Blank	Total	Water	SW846 8270D	11L2806_P
11L2806-BS1	Lab Control Sample	Total	Water	SW846 8270D	11L2806_P
NVL1571-03	Tract 45 TW-1 (17-21)	Total	Ground Water	SW846 8270D	11L2806_P

### Analysis Batch: 11L2985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2985-BLK1	Method Blank	Total	Soil	SW846 8270D	11L2985_P
11L2985-BS1	Lab Control Sample	Total	Soil	SW846 8270D	11L2985_P
11L2985-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8270D	11L2985_P
11L2985-MS1	Matrix Spike	Total	Soil	SW846 8270D	11L2985_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## GCMS Semivolatiles (Continued)

### Analysis Batch: 11L2985 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2985-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8270D	11L2985_P
NVL1571-01	Tract 45 SB-1 (0-2)	Total	Soil	SW846 8270D	11L2985_P
NVL1571-02	Tract 45 SB-1 (14-18)	Total	Soil	SW846 8270D	11L2985_P

### Prep Batch: 11L2806\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2806-BLK1	Method Blank	Total	Water	EPA 3510C	
11L2806-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NVL1571-03	Tract 45 TW-1 (17-21)	Total	Ground Water	EPA 3510C	

### Prep Batch: 11L2985\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2985-BLK1	Method Blank	Total	Soil	EPA 3550B	
11L2985-BS1	Lab Control Sample	Total	Soil	EPA 3550B	
11L2985-BSD1	Lab Control Sample Dup	Total	Soil	EPA 3550B	
11L2985-MS1	Matrix Spike	Total	Soil	EPA 3550B	
11L2985-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550B	
NVL1571-01	Tract 45 SB-1 (0-2)	Total	Soil	EPA 3550B	
NVL1571-02	Tract 45 SB-1 (14-18)	Total	Soil	EPA 3550B	

## Metals

### Analysis Batch: 11L2841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2841-BLK1	Method Blank	Dissolved	Water	SW846 6010C	11L2841_P
11L2841-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	11L2841_P
11L2841-MS1	Matrix Spike	Dissolved	Water	SW846 6010C	11L2841_P
11L2841-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 6010C	11L2841_P
NVL1571-03	Tract 45 TW-1 (17-21)	Dissolved	Ground Water	SW846 6010C	11L2841_P

### Analysis Batch: 11L2842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2842-BLK1	Method Blank	Total	Water	SW846 6010C	11L2842_P
11L2842-BS1	Lab Control Sample	Total	Water	SW846 6010C	11L2842_P
11L2842-BSD1	Lab Control Sample Dup	Total	Water	SW846 6010C	11L2842_P
11L2842-MS1	Matrix Spike	Total	Water	SW846 6010C	11L2842_P
11L2842-MSD1	Matrix Spike Duplicate	Total	Water	SW846 6010C	11L2842_P
NVL1571-03	Tract 45 TW-1 (17-21)	Total	Ground Water	SW846 6010C	11L2842_P

### Analysis Batch: 11L2851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL1571-01	Tract 45 SB-1 (0-2)	Total	Soil	SW846 6010C	11L2851_P
NVL1571-02	Tract 45 SB-1 (14-18)	Total	Soil	SW846 6010C	11L2851_P

### Analysis Batch: 11L2880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2880-BLK1	Method Blank	Total	Water	SW846 7470A	11L2880_P
11L2880-BS1	Lab Control Sample	Total	Water	SW846 7470A	11L2880_P
11L2880-MS1	Matrix Spike	Total	Water	SW846 7470A	11L2880_P
11L2880-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	11L2880_P
NVL1571-03	Tract 45 TW-1 (17-21)	Total	Ground Water	SW846 7470A	11L2880_P



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Metals (Continued)

### Analysis Batch: 11L2881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2881-BLK1	Method Blank	Dissolved	Water	SW846 7470A	11L2881_P
11L2881-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	11L2881_P
11L2881-BSD1	Lab Control Sample Dup	Dissolved	Water	SW846 7470A	11L2881_P
11L2881-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	11L2881_P
11L2881-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	11L2881_P
NVL1571-03	Tract 45 TW-1 (17-21)	Dissolved	Ground Water	SW846 7470A	11L2881_P

### Analysis Batch: 11L2899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2899-BLK1	Method Blank	Total	Soil	SW846 7471B	11L2899_P
11L2899-BS1	Lab Control Sample	Total	Soil	SW846 7471B	11L2899_P
11L2899-BSD1	Lab Control Sample Dup	Total	Soil	SW846 7471B	11L2899_P
11L2899-MS1	Matrix Spike	Total	Soil	SW846 7471B	11L2899_P
11L2899-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	11L2899_P
NVL1571-01	Tract 45 SB-1 (0-2)	Total	Soil	SW846 7471B	11L2899_P
NVL1571-02	Tract 45 SB-1 (14-18)	Total	Soil	SW846 7471B	11L2899_P

### Analysis Batch: U021783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2851-BLK1	Method Blank	Total	Soil	SW846 6010C	11L2851_P
11L2851-BS1	Lab Control Sample	Total	Soil	SW846 6010C	11L2851_P
11L2851-MS1	Matrix Spike	Total	Soil	SW846 6010C	11L2851_P
11L2851-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 6010C	11L2851_P
NVL1571-02	Tract 45 SB-1 (14-18)	Total	Soil	SW846 6010C	11L2851_P
U021783-SRD1	SRD1	Total	Soil	SW846 6010C	

### Prep Batch: 11L2841\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2841-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11L2841-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11L2841-MS1	Matrix Spike	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11L2841-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NVL1571-03	Tract 45 TW-1 (17-21)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

### Prep Batch: 11L2842\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2842-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
11L2842-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
11L2842-BSD1	Lab Control Sample Dup	Total	Water	EPA 3010A / 6010	
11L2842-MS1	Matrix Spike	Total	Water	EPA 3010A / 6010	
11L2842-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3010A / 6010	
NVL1571-03	Tract 45 TW-1 (17-21)	Total	Ground Water	EPA 3010A / 6010	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Metals (Continued)

### Prep Batch: 11L2851\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2851-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
11L2851-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
11L2851-MS1	Matrix Spike	Total	Soil	EPA 3051A/6010	
11L2851-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3051A/6010	
NVL1571-01	Tract 45 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NVL1571-02	Tract 45 SB-1 (14-18)	Total	Soil	EPA 3051A/6010	

### Prep Batch: 11L2880\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2880-BLK1	Method Blank	Total	Water	EPA 7470	
11L2880-BS1	Lab Control Sample	Total	Water	EPA 7470	
11L2880-MS1	Matrix Spike	Total	Water	EPA 7470	
11L2880-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NVL1571-03	Tract 45 TW-1 (17-21)	Total	Ground Water	EPA 7470	

### Prep Batch: 11L2881\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2881-BLK1	Method Blank	Dissolved	Water	EPA 7470	
11L2881-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
11L2881-BSD1	Lab Control Sample Dup	Dissolved	Water	EPA 7470	
11L2881-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
11L2881-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	
NVL1571-03	Tract 45 TW-1 (17-21)	Dissolved	Ground Water	EPA 7470	

### Prep Batch: 11L2899\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2899-BLK1	Method Blank	Total	Soil	EPA 7471	
11L2899-BS1	Lab Control Sample	Total	Soil	EPA 7471	
11L2899-BSD1	Lab Control Sample Dup	Total	Soil	EPA 7471	
11L2899-MS1	Matrix Spike	Total	Soil	EPA 7471	
11L2899-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NVL1571-01	Tract 45 SB-1 (0-2)	Total	Soil	EPA 7471	
NVL1571-02	Tract 45 SB-1 (14-18)	Total	Soil	EPA 7471	

## Extractions

### Analysis Batch: 11L4796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4796-DUP1	Duplicate	Total	Soil	SW-846	11L4796_P
NVL1571-01	Tract 45 SB-1 (0-2)	Total	Soil	SW-846	11L4796_P
NVL1571-02	Tract 45 SB-1 (14-18)	Total	Soil	SW-846	11L4796_P

### Prep Batch: 11L4796\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4796-DUP1	Duplicate	Total	Soil	% Solids	
NVL1571-01	Tract 45 SB-1 (0-2)	Total	Soil	% Solids	
NVL1571-02	Tract 45 SB-1 (14-18)	Total	Soil	% Solids	

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

**Client Sample ID: Tract 45 SB-1 (0-2)**

**Lab Sample ID: NVL1571-01**

Date Collected: 12/09/11 09:20

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.04	11L4221_P	12/09/11 09:20	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U022319	12/19/11 19:21	MJH /	TAL NSH
Total	Prep	EPA 3550B		0.982	11L2985_P	12/14/11 07:46	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2985	12/14/11 21:04	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.956	11L2851_P	12/12/11 06:30	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11L2851	12/12/11 15:58	LTB	TAL NSH
Total	Prep	EPA 7471		0.98	11L2899_P	12/12/11 14:20	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11L2899	12/16/11 11:19	MB	TAL NSH
Total	Prep	% Solids		1.00	11L4796_P	12/19/11 10:45	MAH	TAL NSH
Total	Analysis	SW-846		1.00	11L4796	12/20/11 10:33	RRS	TAL NSH

**Client Sample ID: Tract 45 SB-1 (14-18)**

**Lab Sample ID: NVL1571-02**

Date Collected: 12/09/11 11:00

Matrix: Soil

Date Received: 12/10/11 08:15

Percent Solids: 63.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.45	11L4221_P	12/09/11 11:00	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U022319	12/19/11 19:49	MJH /	TAL NSH
Total	Prep	EPA 3550B		0.982	11L2985_P	12/14/11 07:46	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2985	12/14/11 21:25	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.960	11L2851_P	12/12/11 06:30	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	11L2851	12/12/11 16:01	LTB	TAL NSH
Total	Analysis	SW846 6010C		1.00	U021783	12/12/11 16:01	LTB	TAL NSH
Total	Prep	EPA 7471		1.0	11L2899_P	12/12/11 14:20	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	11L2899	12/16/11 11:21	MB	TAL NSH
Total	Prep	% Solids		1.00	11L4796_P	12/19/11 10:45	MAH	TAL NSH
Total	Analysis	SW-846		1.00	11L4796	12/20/11 10:33	RRS	TAL NSH

**Client Sample ID: Tract 45 TW-1 (17-21)**

**Lab Sample ID: NVL1571-03**

Date Collected: 12/09/11 11:15

Matrix: Ground Water

Date Received: 12/10/11 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L3157_P	12/13/11 10:04	EML	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021853	12/13/11 15:08	EML	TAL NSH
Total	Prep	EPA 3510C		0.943	11L2806_P	12/13/11 09:40	AMJ	TAL NSH
Total	Analysis	SW846 8270D		1.00	11L2806	12/13/11 19:46	KJP	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		10.0	11L2841_P	12/13/11 12:10	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	11L2841	12/16/11 05:56	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	11L2842_P	12/13/11 12:10	ALJ	TAL NSH
Total	Analysis	SW846 6010C		10.0	11L2842	12/16/11 12:49	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11L2881_P	12/12/11 13:55	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11L2881	12/13/11 11:03	DEB	TAL NSH
Total	Prep	EPA 7470		1.00	11L2880_P	12/12/11 12:00	DEB	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

## Client Sample ID: Tract 45 TW-1 (17-21)

Lab Sample ID: NVL1571-03

Date Collected: 12/09/11 11:15

Matrix: Ground Water

Date Received: 12/10/11 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	SW846 7470A		1.00	11L2880	12/13/11 11:03	DEB	TAL NSH

## Client Sample ID: Trip Blank

Lab Sample ID: NVL1571-04

Date Collected: 12/09/11 00:01

Matrix: Water

Date Received: 12/10/11 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L3157_P	12/13/11 10:04	EML	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021853	12/13/11 14:41	EML	TAL NSH

### Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

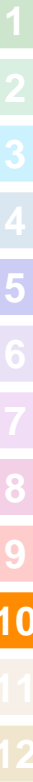
TestAmerica Job ID: NVL1571

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Certification Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL1571

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



## COOLER RECEIPT

NVL1571

Cooler Received/Opened On 12/10/2011 @ 08:15

1. Tracking # 4183 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES......NO......NA

4. Were custody seals on outside of cooler? YES......NO......NA

If yes, how many and where: 2 - Front

5. Were the seals intact, signed, and dated correctly? YES......NO......NA

6. Were custody papers inside cooler? YES......NO......NA

I certify that I opened the cooler and answered questions 1-6 (initial) P.H.

7. Were custody seals on containers: YES  NO  and Intact YES......NO......NA

Were these signed and dated correctly? YES......NO......NA

8. Packing mat'l used?  Bubblewrap  Plastic bag  Peanuts  Vermiculite  Foam Insert  Paper  Other  None

9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry ice  Other  None

10. Did all containers arrive in good condition (unbroken)? YES......NO......NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES......NO......NA

12. Did all container labels and tags agree with custody papers? YES......NO......NA

13a. Were VOA vials received? YES......NO......NA

b. Was there any observable headspace present in any VOA vial? YES......NO......NA

14. Was there a Trip Blank in this cooler? YES......NO......NA If multiple coolers, sequence #         

I certify that I unloaded the cooler and answered questions 7-14 (initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES......NO......NA

b. Did the bottle labels indicate that the correct preservatives were used YES......NO......NA

16. Was residual chlorine present? YES......NO......NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES......NO......NA

18. Did you sign the custody papers in the appropriate place? YES......NO......NA

19. Were correct containers used for the analysis requested? YES......NO......NA

20. Was sufficient amount of sample sent in each container? YES......NO......NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) W

I certify that I attached a label with the unique LIMS number to each container (initial) W

21. Were there Non-Conformance issues at login? YES......NO...... Was a PIPE generated? YES......NO......#





# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NVL3364  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline

*Roxanne L. Connor*

Authorized for release by:  
12/30/2011 12:55:34 PM  
Roxanne Connor  
Program Manager - Conventional Accounts  
[roxanne.connor@testamericainc.com](mailto:roxanne.connor@testamericainc.com)

Designee for  
Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL3364

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NVL3364-01	Tract 35 SB-4 (0-2)	Soil	11/09/11 16:45	11/11/11 08:30

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## Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL3364

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL3364

**Client Sample ID: Tract 35 SB-4 (0-2)**

**Lab Sample ID: NVL3364-01**

**Date Collected: 11/09/11 16:45**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

**Method: SW846 1311/6010C - TCLP Metals by 6000/7000 Series Methods - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.417		0.0500	0.0250	mg/L		12/29/11 10:25	12/29/11 17:02	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL3364

## Method: SW846 1311/6010C - TCLP Metals by 6000/7000 Series Methods

**Lab Sample ID: 11L7267-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 11L7267**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 11L7267\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0250		0.0500	0.0250	mg/L		12/29/11 10:25	12/29/11 16:27	1.00

**Lab Sample ID: 11L7267-BS1**  
**Matrix: Soil**  
**Analysis Batch: 11L7267**

**Client Sample ID: Lab Control Sample**  
**Prep Type: TCLP**  
**Prep Batch: 11L7267\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	10.0	10.8		mg/L		108	80 - 120

**Lab Sample ID: 11L7267-MS1**  
**Matrix: Soil**  
**Analysis Batch: 11L7267**

**Client Sample ID: Matrix Spike**  
**Prep Type: TCLP**  
**Prep Batch: 11L7267\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	<0.0250		10.0	10.8		mg/L		108	75 - 125

**Lab Sample ID: 11L7267-MSD1**  
**Matrix: Soil**  
**Analysis Batch: 11L7267**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: TCLP**  
**Prep Batch: 11L7267\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	<0.0250		10.0	11.0		mg/L		110	75 - 125	2	20

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL3364

## Metals

### Leach Batch: 11L6896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL3364-01	Tract 35 SB-4 (0-2)	TCLP	Soil	TCLP Extraction	

### Analysis Batch: 11L7267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L7267-BLK1	Method Blank	TCLP	Soil	SW846	11L7267_P
11L7267-BS1	Lab Control Sample	TCLP	Soil	1311/6010C SW846	11L7267_P
11L7267-MS1	Matrix Spike	TCLP	Soil	1311/6010C SW846	11L7267_P
11L7267-MSD1	Matrix Spike Duplicate	TCLP	Soil	1311/6010C SW846	11L7267_P
NVL3364-01	Tract 35 SB-4 (0-2)	TCLP	Soil	1311/6010C SW846	11L7267_P

### Prep Batch: 11L7267\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L7267-BLK1	Method Blank	TCLP	Soil	EPA 3010A / 6010	
11L7267-BS1	Lab Control Sample	TCLP	Soil	EPA 3010A / 6010	
11L7267-MS1	Matrix Spike	TCLP	Soil	EPA 3010A / 6010	
11L7267-MSD1	Matrix Spike Duplicate	TCLP	Soil	EPA 3010A / 6010	
NVL3364-01	Tract 35 SB-4 (0-2)	TCLP	Soil	EPA 3010A / 6010	11L6896

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL3364

**Client Sample ID: Tract 35 SB-4 (0-2)**

**Lab Sample ID: NVL3364-01**

**Date Collected: 11/09/11 16:45**

**Matrix: Soil**

**Date Received: 11/11/11 08:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	TCLP Extraction		1.00	11L6896	12/28/11 15:00	SJM	TAL NSH
TCLP	Prep	EPA 3010A / 6010		1.00	11L7267_P	12/29/11 10:25	ALJ	TAL NSH
TCLP	Analysis	SW846 1311/6010C		1.00	11L7267	12/29/11 17:02	AVR	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980





# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NVL3364

Method	Method Description	Protocol	Laboratory
SW846 1311/6010C	TCLP Metals by 6000/7000 Series Methods		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



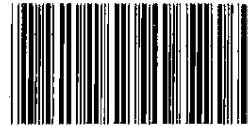
# Certification Summary

Client: S&ME, Inc. (2420)  
 Project/Site: 1131-08-554

TestAmerica Job ID: NVL3364

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



**COOLER RECEIPT**

NJK1676

NUL3364

Cooler Received/Opened On 11/11/2011 @ 0830

1. Tracking # 1728 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 0.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: one front & back

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA 3 vials -03

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) B

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) B

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) B

I certify that I attached a label with the unique LIMS number to each container (initial) B

21. Were there Non-Conformance Issues at login? YES...NO Was a PIPE generated? YES...NO #       

-01  
-02  
(-03 receipt & 1 liter)

## COOLER RECEIPT FORM

NUL3364  
NUK4675  
11/22/11 23:59

Cooler Received/Opened On 11/11/2011 @ 08:30

1. Tracking # 1831 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 0.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES  NO  NA

4. Were custody seals on outside of cooler? YES  NO  NA

If yes, how many and where: 2-Front

5. Were the seals intact, signed, and dated correctly? YES  NO  NA

6. Were custody papers inside cooler? YES  NO  NA

I certify that I opened the cooler and answered questions 1-6 (Initial) P.A.

7. Were custody seals on containers: YES  NO  and intact YES  NO  NA

Were these signed and dated correctly? YES  NO  NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES  NO  NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES  NO  NA

12. Did all container labels and tags agree with custody papers? YES  NO  NA

13a. Were VOA vials received? YES  NO  NA

b. Was there any observable headspace present in any VOA vial? YES  NO  NA

14. Was there a Trip Blank in this cooler? YES  NO  NA  If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (Initial) M

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES  NO  NA

b. Did the bottle labels indicate that the correct preservatives were used? YES  NO  NA

16. Was residual chlorine present? YES  NO  NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) M

17. Were custody papers properly filled out (ink, signed, etc)? YES  NO  NA

18. Did you sign the custody papers in the appropriate place? YES  NO  NA

19. Were correct containers used for the analysis requested? YES  NO  NA

20. Was sufficient amount of sample sent in each container? YES  NO  NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) U

I certify that I attached a label with the unique LIMS number to each container (Initial) U

21. Were there Non-Conformance issues at login? YES  NO  Was a PIPE generated? YES  NO  # 0

## COOLER RECEIPT FORM

NVL 3364  
NUK1675

11/22/11 23:59

Cooler Received/Opened On 11/11/2011 @ 0830

1. Tracking # 1853 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 1.2 Degrees Celsius

3. If item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO... NA

4. Were custody seals on outside of cooler?  YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly?  YES...NO...NA

6. Were custody papers inside cooler?  YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) F

7. Were custody seals on containers: YES  NO  and intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used?  Bubblewrap  Plastic bag  Peanuts  Vermiculite  Foam Insert  Paper  Other  None

9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry ice  Other  None

10. Did all containers arrive in good condition (unbroken)?  YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES... NO...NA

14. Was there a Trip Blank in this cooler?  YES...NO...NA If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (Initial) F

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used  YES...NO...NA

16. Was residual chlorine present? YES... NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) F

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) F

I certify that I attached a label with the unique LIMS number to each container (initial) F

21. Were there Non-Conformance issues at logIn? YES... NO... Was a PIPE generated? YES... NO...#

**COOLER RECEIPT FORM**

NVL3364  
 NUK1675  
 11/22/11 23:59

Cooler Received/Opened On 11/11/2011 @ 8:30

1. Tracking # 1809 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 3.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES......NO......NA

4. Were custody seals on outside of cooler?  YES...NO... NA

If yes, how many and where: 2 front

5. Were the seals intact, signed, and dated correctly?  YES...NO... NA

6. Were custody papers inside cooler?  YES...NO... NA

I certify that I opened the cooler and answered questions 1-6 (initial) J.G.

7. Were custody seals on containers: YES  NO  and intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used?  Bubblewrap  Plastic bag  Peanuts  Vermiculite  Foam Insert  Paper  Other  None

9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry ice  Other  None

10. Did all containers arrive in good condition (unbroken)?  YES...NO... NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO... NA

12. Did all container labels and tags agree with custody papers?  YES...NO... NA

13a. Were VOA vials received?  YES...NO... NA

b. Was there any observable headspace present in any VOA vial? YES...NO... NA

14. Was there a Trip Blank in this cooler? YES......NO... NA If multiple coolers, sequence # 1st

I certify that I unloaded the cooler and answered questions 7-14 (initial) P

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used?  YES...NO... NA

16. Was residual chlorine present? YES......NO... NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) P

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO... NA

18. Did you sign the custody papers in the appropriate place?  YES...NO... NA

19. Were correct containers used for the analysis requested?  YES...NO... NA

20. Was sufficient amount of sample sent in each container?  YES...NO... NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) u

I certify that I attached a label with the unique LIMS number to each container (Initial) A

21. Were there Non-Conformance issues at login? YES......NO... Was a PIPE generated? YES......NO... #

-03  
 G-Liter

-08 GH  
 Liter

soils

-04  
 -05  
 -07





## Hayes, Ken

---

**From:** Mary Beth Cline [MCline@smeinc.com]  
**Sent:** Thursday, December 22, 2011 9:02 AM  
**To:** Hayes, Ken  
**Cc:** Brailsford, Teresa  
**Subject:** RE: TestAmerica Nashville - Report for project: Port Access Road/1131-08-554 - Final Report:NUK1675

Ken,  
Will you run TCLP lead on Sample ID: Tract 35 SB-4 (0-2)? Lab Sample ID is NUK1675-09.

Thanks,  
Mary Beth.

---

Mary Beth Cline, P.E.  
Project Engineer

S&ME Logo  
ENGINEERING INTEGRITY.

S&ME, Inc.  
620 Wando Park Boulevard  
Mt. Pleasant SC 29464 Map  
Ph: 843.884.0005  
Fax: 843.881.6149  
Mobile: 843.609.5547  
mccline@smeinc.com  
www.smeinc.com

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-----Original Message-----

**From:** Ken A. Hayes [mailto:ken.hayes@testamericainc.com]  
**Sent:** Wednesday, November 23, 2011 7:00 PM  
**To:** Mary Beth Cline  
**Subject:** TestAmerica Nashville - Report for project: Port Access Road/1131-08-554 - Final Report:NUK1675

Project: Port Access Road  
Project Number: 1131-08-554  
Work Order: NUK1675  
Date: 11/23/2011 05:57 pm

The analytical testing for your samples received on 11/11/2011 is now complete. The report is attached as a PDF document.



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NWA4535  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline

*Roxanne L. Connor*

Authorized for release by:  
2/9/2012 3:30:43 PM  
Roxanne Connor  
Program Manager - Conventional Accounts  
[roxanne.connor@testamericainc.com](mailto:roxanne.connor@testamericainc.com)

Designee for  
Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWA4535-01	TRACT 26 SB-1 (0-2)	Soil	01/26/12 10:00	01/27/12 08:15
NWA4535-02	TRACT 26 SB-1 (52-55)	Soil	01/26/12 11:15	01/27/12 08:15
NWA4535-03	TRACT 26 TW-1 (26-30)	Ground Water	01/26/12 11:30	01/27/12 08:15
NWA4535-04	TRACT 40 SB-1 (0-2)	Soil	01/26/12 14:00	01/27/12 08:15
NWA4535-05	TRACT 40 SB-1 (4-8)	Soil	01/26/12 14:50	01/27/12 08:15
NWA4535-06	TRACT 40 TW-1 (4-8)	Ground Water	01/26/12 15:10	01/27/12 08:15
NWA4535-07	Trip Blank	Water	01/26/12 00:01	01/27/12 08:15

# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
R2	The RPD exceeded the acceptance limit.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
RL1	Reporting limit raised due to sample matrix effects.
P6	Sample received unpreserved, however the sample was analyzed within 7 days per EPA recommendation.

### GCMS Semivolatiles

Qualifier	Qualifier Description
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.

### Pesticides

Qualifier	Qualifier Description
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Z3	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
P7	Sample filtered in lab.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 SB-1 (0-2)**

**Lab Sample ID: NWA4535-01**

**Date Collected: 01/26/12 10:00**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.0296</b>	<b>J</b>	0.0510	0.0255	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Benzene	<0.00112		0.00204	0.00112	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Bromochloromethane	<0.00122		0.00204	0.00122	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Bromodichloromethane	<0.00102		0.00204	0.00102	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Bromomethane	<0.00122		0.00204	0.00122	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
2-Butanone	<0.0255		0.0510	0.0255	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Carbon disulfide	<0.00367		0.00510	0.00367	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Carbon Tetrachloride	<0.00102		0.00204	0.00102	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Chloroethane	<0.00255		0.00510	0.00255	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Chloroform	<0.00133		0.00204	0.00133	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Chloromethane	<0.00112		0.00204	0.00112	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Cyclohexane	<0.00510		0.0102	0.00510	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Methylcyclohexane	<0.00510		0.0102	0.00510	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Dichlorodifluoromethane	<0.00143		0.00204	0.00143	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
<b>1,2-Dichloroethane</b>	<b>0.00129</b>	<b>J</b>	0.00204	0.00112	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
1,1-Dichloroethane	<0.00133		0.00204	0.00133	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
1,1-Dichloroethene	<0.00122		0.00204	0.00122	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
trans-1,2-Dichloroethene	<0.00133		0.00204	0.00133	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
1,1,2-Trifluorotrchloroethane	<0.00112		0.00204	0.00112	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
cis-1,2-Dichloroethene	<0.00112		0.00204	0.00112	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
1,2-Dichloropropane	<0.00102		0.00204	0.00102	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Methyl Acetate	<0.00510		0.0102	0.00510	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Methyl tert-Butyl Ether	<0.00102		0.00204	0.00102	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Methylene Chloride	<0.00510		0.0102	0.00510	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
1,1,1-Trichloroethane	<0.00102		0.00204	0.00102	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Trichloroethene	<0.00102		0.00204	0.00102	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Trichlorofluoromethane	<0.00102		0.00204	0.00102	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00
Vinyl chloride	<0.00102		0.00204	0.00102	mg/kg wet		01/27/12 18:33	02/06/12 13:21	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	94		70 - 130	01/27/12 18:33	02/06/12 13:21	1.00
Dibromofluoromethane	106		70 - 130	01/27/12 18:33	02/06/12 13:21	1.00
Toluene-d8	141	ZX	70 - 130	01/27/12 18:33	02/06/12 13:21	1.00
4-Bromofluorobenzene	155	ZX	70 - 130	01/27/12 18:33	02/06/12 13:21	1.00

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<0.0484	RL1	0.0969	0.0484	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
Chlorobenzene	<0.0533	RL1	0.0969	0.0533	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
Chlorodibromomethane	<0.0484	RL1	0.0969	0.0484	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
1,2-Dibromo-3-chloropropane	<0.121	RL1	0.242	0.121	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
1,2-Dibromoethane (EDB)	<0.0484	RL1	0.0969	0.0484	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
1,2-Dichlorobenzene	<0.0484	RL1	0.0969	0.0484	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
1,3-Dichlorobenzene	<0.0581	RL1	0.0969	0.0581	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
1,4-Dichlorobenzene	<0.0533	RL1	0.0969	0.0533	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
trans-1,3-Dichloropropene	<0.0484	RL1	0.0969	0.0484	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
cis-1,3-Dichloropropene	<0.0484	RL1	0.0969	0.0484	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
Ethylbenzene	<0.0533	RL1	0.0969	0.0533	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
2-Hexanone	<1.21	RL1	2.42	1.21	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
Isopropylbenzene	<0.0533	RL1	0.0969	0.0533	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 SB-1 (0-2)**

**Lab Sample ID: NWA4535-01**

**Date Collected: 01/26/12 10:00**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	<1.21	RL1	2.42	1.21	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
Styrene	<0.0533	RL1	0.0969	0.0533	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
1,1,2,2-Tetrachloroethane	<0.0484	RL1	0.0969	0.0484	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
Tetrachloroethane	<0.0630	RL1	0.0969	0.0630	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
Toluene	<0.0533	RL1	0.0969	0.0533	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
1,2,4-Trichlorobenzene	<0.0581	RL1	0.0969	0.0581	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
1,2,3-Trichlorobenzene	<0.0533	RL1	0.0969	0.0533	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
1,1,2-Trichloroethane	<0.121	RL1	0.242	0.121	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
Xylenes, total	<0.121	RL1	0.242	0.121	mg/kg wet		01/27/12 18:33	02/06/12 13:52	50.0
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	82		70 - 130				01/27/12 18:33	02/06/12 13:52	50.0
Dibromofluoromethane	90		70 - 130				01/27/12 18:33	02/06/12 13:52	50.0
Toluene-d8	103		70 - 130				01/27/12 18:33	02/06/12 13:52	50.0
4-Bromofluorobenzene	94		70 - 130				01/27/12 18:33	02/06/12 13:52	50.0

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Acenaphthylene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Anthracene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
<b>Benzo (a) anthracene</b>	<b>0.0384</b>	<b>J</b>	0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Benzo (a) pyrene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
<b>Benzo (b) fluoranthene</b>	<b>0.0503</b>	<b>J</b>	0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
<b>Benzo (g,h,i) perylene</b>	<b>0.0606</b>	<b>J</b>	0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
<b>Benzo (k) fluoranthene</b>	<b>0.0394</b>	<b>J</b>	0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
4-Bromophenyl phenyl ether	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Butyl benzyl phthalate	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Carbazole	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
4-Chloro-3-methylphenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
4-Chloroaniline	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Bis(2-chloroethoxy)methane	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Bis(2-chloroethyl)ether	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Bis(2-chloroisopropyl)ether	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
2-Chloronaphthalene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
2-Chlorophenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
4-Chlorophenyl phenyl ether	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
<b>Chrysene</b>	<b>0.0464</b>	<b>J</b>	0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Dibenz (a,h) anthracene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Dibenzofuran	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Di-n-butyl phthalate	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
1,4-Dichlorobenzene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
1,2-Dichlorobenzene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
1,3-Dichlorobenzene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
3,3-Dichlorobenzidine	<0.166		0.663	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
2,4-Dichlorophenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Diethyl phthalate	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
2,4-Dimethylphenol	<0.191		0.331	0.191	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Dimethyl phthalate	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
4,6-Dinitro-2-methylphenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
2,4-Dinitrophenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 SB-1 (0-2)**

**Lab Sample ID: NWA4535-01**

**Date Collected: 01/26/12 10:00**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
2,4-Dinitrotoluene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Di-n-octyl phthalate	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Bis(2-ethylhexyl)phthalate	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
<b>Fluoranthene</b>	<b>0.0500</b>	<b>J</b>	0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Fluorene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Hexachlorobenzene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Hexachlorobutadiene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Hexachlorocyclopentadiene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Hexachloroethane	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Indeno (1,2,3-cd) pyrene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Isophorone	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
2-Methylnaphthalene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
2-Methylphenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
3/4-Methylphenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Naphthalene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
3-Nitroaniline	<0.166		0.828	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
2-Nitroaniline	<0.166		0.828	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
4-Nitroaniline	<0.166		0.828	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Nitrobenzene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
4-Nitrophenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
2-Nitrophenol	<0.195		0.331	0.195	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
N-Nitrosodiphenylamine	<0.182		0.331	0.182	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
N-Nitrosodi-n-propylamine	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Pentachlorophenol	<0.166		0.828	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
<b>Phenanthrene</b>	<b>0.0378</b>	<b>J</b>	0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
Phenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
<b>Pyrene</b>	<b>0.0530</b>	<b>J</b>	0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
1,2,4-Trichlorobenzene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
2,4,6-Trichlorophenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00
2,4,5-Trichlorophenol	<0.166		0.828	0.166	mg/kg wet		02/01/12 10:30	02/02/12 13:46	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	84		18 - 120	02/01/12 10:30	02/02/12 13:46	1.00
2,4,6-Tribromophenol	62		19 - 120	02/01/12 10:30	02/02/12 13:46	1.00
Phenol-d5	66		18 - 120	02/01/12 10:30	02/02/12 13:46	1.00
2-Fluorobiphenyl	62		14 - 120	02/01/12 10:30	02/02/12 13:46	1.00
2-Fluorophenol	64		17 - 120	02/01/12 10:30	02/02/12 13:46	1.00
Nitrobenzene-d5	57		17 - 120	02/01/12 10:30	02/02/12 13:46	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
delta-BHC	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
alpha-BHC	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
beta-BHC	<0.0167		0.0656	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
gamma-BHC (Lindane)	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
alpha-Chlordane	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
gamma-Chlordane	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
Chlordane	<0.662		1.33	0.662	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
4,4'-DDD	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 SB-1 (0-2)**

**Lab Sample ID: NWA4535-01**

**Date Collected: 01/26/12 10:00**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>4,4'-DDE</b>	<b>0.0199</b>	<b>J</b>	0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
4,4'-DDT	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
<b>Dieldrin</b>	<b>0.285</b>		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
Endosulfan I	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
Endosulfan II	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
Endosulfan sulfate	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
Endrin	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
Endrin aldehyde	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
Endrin ketone	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
Heptachlor	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
Heptachlor epoxide	<0.0167		0.0338	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
Methoxychlor	<0.0167		0.0656	0.0167	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
Toxaphene	<0.838		1.33	0.838	mg/kg wet		02/01/12 09:45	02/03/12 19:21	20.0
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>Tetrachloro-meta-xylene</i>		Z3	21 - 145				02/01/12 09:45	02/03/12 19:21	20.0
<i>Decachlorobiphenyl</i>		Z3	25 - 150				02/01/12 09:45	02/03/12 19:21	20.0

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0206		0.0327	0.0206	mg/kg wet		01/30/12 10:25	02/01/12 01:32	1.00
PCB-1221	<0.0108		0.0327	0.0108	mg/kg wet		01/30/12 10:25	02/01/12 01:32	1.00
PCB-1232	<0.0157		0.0327	0.0157	mg/kg wet		01/30/12 10:25	02/01/12 01:32	1.00
PCB-1242	<0.0255		0.0327	0.0255	mg/kg wet		01/30/12 10:25	02/01/12 01:32	1.00
PCB-1248	<0.0294		0.0327	0.0294	mg/kg wet		01/30/12 10:25	02/01/12 01:32	1.00
PCB-1254	<0.0108		0.0327	0.0108	mg/kg wet		01/30/12 10:25	02/01/12 01:32	1.00
PCB-1260	<0.0275		0.0327	0.0275	mg/kg wet		01/30/12 10:25	02/01/12 01:32	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>Tetrachloro-meta-xylene</i>	96		19 - 147				01/30/12 10:25	02/01/12 01:32	1.00
<i>Decachlorobiphenyl</i>	186	Z2	20 - 150				01/30/12 10:25	02/01/12 01:32	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>4320</b>	<b>MHA</b>	20.1	10.0	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
Antimony	<5.02		10.0	5.02	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Arsenic</b>	<b>3.51</b>		1.00	0.502	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Barium</b>	<b>33.0</b>		2.01	1.00	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
Beryllium	<0.502		1.00	0.502	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
Cadmium	<0.502		1.00	0.502	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Calcium</b>	<b>7110</b>	<b>MHA</b>	100	50.2	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Chromium</b>	<b>7.93</b>		1.00	0.502	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
Cobalt	<1.51		3.01	1.51	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Copper</b>	<b>13.7</b>		2.01	1.00	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Iron</b>	<b>4660</b>	<b>MHA</b>	10.0	5.02	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Lead</b>	<b>101</b>		1.00	0.502	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Magnesium</b>	<b>320</b>		100	50.2	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Manganese</b>	<b>28.9</b>		3.01	1.51	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Nickel</b>	<b>3.01</b>		2.01	1.00	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Potassium</b>	<b>144</b>		100	50.2	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
Selenium	<1.00		2.01	1.00	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 SB-1 (0-2)**

**Lab Sample ID: NWA4535-01**

Date Collected: 01/26/12 10:00

Matrix: Soil

Date Received: 01/27/12 08:15

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.502		1.00	0.502	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
Sodium	<100		201	100	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
Thallium	<1.00		2.01	1.00	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Vanadium</b>	<b>13.7</b>		10.0	5.02	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00
<b>Zinc</b>	<b>45.4</b>		10.0	5.02	mg/kg wet		01/30/12 12:00	02/08/12 19:14	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.050</b>	<b>J</b>	0.098	0.049	mg/kg wet		02/02/12 13:30	02/03/12 11:33	1.0

**Client Sample ID: TRACT 26 SB-1 (52-55)**

**Lab Sample ID: NWA4535-02**

Date Collected: 01/26/12 11:15

Matrix: Soil

Date Received: 01/27/12 08:15

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.0359</b>	<b>J</b>	0.0481	0.0240	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
<b>Benzene</b>	<b>0.00584</b>		0.00192	0.00106	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Bromochloromethane	<0.00115		0.00192	0.00115	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Bromodichloromethane	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Bromoform	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Bromomethane	<0.00115		0.00192	0.00115	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
2-Butanone	<0.0240		0.0481	0.0240	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
<b>Carbon disulfide</b>	<b>0.0160</b>		0.00481	0.00346	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Carbon Tetrachloride	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Chlorobenzene	<0.00106		0.00192	0.00106	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Chlorodibromomethane	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Chloroethane	<0.00240		0.00481	0.00240	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Chloroform	<0.00125		0.00192	0.00125	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Chloromethane	<0.00106		0.00192	0.00106	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Cyclohexane	<0.00481		0.00962	0.00481	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,2-Dibromo-3-chloropropane	<0.00240		0.00481	0.00240	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,2-Dibromoethane (EDB)	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
<b>Methylcyclohexane</b>	<b>0.00491</b>	<b>J</b>	0.00962	0.00481	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,2-Dichlorobenzene	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,3-Dichlorobenzene	<0.00115		0.00192	0.00115	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,4-Dichlorobenzene	<0.00106		0.00192	0.00106	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Dichlorodifluoromethane	<0.00135		0.00192	0.00135	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,2-Dichloroethane	<0.00106		0.00192	0.00106	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,1-Dichloroethane	<0.00125		0.00192	0.00125	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,1-Dichloroethene	<0.00115		0.00192	0.00115	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
trans-1,2-Dichloroethene	<0.00125		0.00192	0.00125	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,1,2-Trifluorotrichloroethane	<0.00106		0.00192	0.00106	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
cis-1,2-Dichloroethene	<0.00106		0.00192	0.00106	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,2-Dichloropropane	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
trans-1,3-Dichloropropene	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
cis-1,3-Dichloropropene	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
<b>Ethylbenzene</b>	<b>0.00117</b>	<b>J</b>	0.00192	0.00106	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
2-Hexanone	<0.0240		0.0481	0.0240	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Isopropylbenzene	<0.00106		0.00192	0.00106	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 SB-1 (52-55)**

**Lab Sample ID: NWA4535-02**

**Date Collected: 01/26/12 11:15**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Acetate	<0.00481		0.00962	0.00481	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Methyl tert-Butyl Ether	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Methylene Chloride	<0.00481		0.00962	0.00481	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
4-Methyl-2-pentanone	<0.0240		0.0481	0.0240	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Styrene	<0.00106		0.00192	0.00106	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,1,2,2-Tetrachloroethane	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Tetrachloroethene	<0.00125		0.00192	0.00125	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
<b>Toluene</b>	<b>0.00341</b>		0.00192	0.00106	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,2,4-Trichlorobenzene	<0.00115		0.00192	0.00115	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,2,3-Trichlorobenzene	<0.00106		0.00192	0.00106	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,1,1-Trichloroethane	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
1,1,2-Trichloroethane	<0.00240		0.00481	0.00240	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Trichloroethene	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Trichlorofluoromethane	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Vinyl chloride	<0.000962		0.00192	0.000962	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00
Xylenes, total	<0.00240		0.00481	0.00240	mg/kg wet		01/27/12 18:33	02/03/12 15:36	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	88		70 - 130	01/27/12 18:33	02/03/12 15:36	1.00
Dibromofluoromethane	100		70 - 130	01/27/12 18:33	02/03/12 15:36	1.00
Toluene-d8	104		70 - 130	01/27/12 18:33	02/03/12 15:36	1.00
4-Bromofluorobenzene	98		70 - 130	01/27/12 18:33	02/03/12 15:36	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Acenaphthylene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Anthracene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Benzo (a) anthracene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Benzo (a) pyrene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Benzo (b) fluoranthene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Benzo (g,h,i) perylene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Benzo (k) fluoranthene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
4-Bromophenyl phenyl ether	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Butyl benzyl phthalate	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Carbazole	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
4-Chloro-3-methylphenol	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
4-Chloroaniline	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Bis(2-chloroethoxy)methane	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Bis(2-chloroethyl)ether	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Bis(2-chloroisopropyl)ether	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2-Chloronaphthalene	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2-Chlorophenol	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
4-Chlorophenyl phenyl ether	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Chrysene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Dibenz (a,h) anthracene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Dibenzofuran	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Di-n-butyl phthalate	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
1,4-Dichlorobenzene	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
1,2-Dichlorobenzene	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
1,3-Dichlorobenzene	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 SB-1 (52-55)**

**Lab Sample ID: NWA4535-02**

**Date Collected: 01/26/12 11:15**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3-Dichlorobenzidine	<0.166		0.665	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2,4-Dichlorophenol	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Diethyl phthalate	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2,4-Dimethylphenol	<0.191		0.332	0.191	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Dimethyl phthalate	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
4,6-Dinitro-2-methylphenol	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2,4-Dinitrophenol	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2,6-Dinitrotoluene	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2,4-Dinitrotoluene	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Di-n-octyl phthalate	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Bis(2-ethylhexyl)phthalate	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Fluoranthene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Fluorene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Hexachlorobenzene	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Hexachlorobutadiene	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Hexachlorocyclopentadiene	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Hexachloroethane	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Indeno (1,2,3-cd) pyrene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Isophorone	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2-Methylnaphthalene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2-Methylphenol	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
3/4-Methylphenol	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Naphthalene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
3-Nitroaniline	<0.166		0.830	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2-Nitroaniline	<0.166		0.830	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
4-Nitroaniline	<0.166		0.830	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Nitrobenzene	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
4-Nitrophenol	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2-Nitrophenol	<0.195		0.332	0.195	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
N-Nitrosodiphenylamine	<0.182		0.332	0.182	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
N-Nitrosodi-n-propylamine	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Pentachlorophenol	<0.166		0.830	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Phenanthrene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Phenol	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
Pyrene	<0.0339		0.0668	0.0339	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
1,2,4-Trichlorobenzene	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2,4,6-Trichlorophenol	<0.166		0.332	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00
2,4,5-Trichlorophenol	<0.166		0.830	0.166	mg/kg wet		02/01/12 10:30	02/01/12 21:51	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	75		18 - 120	02/01/12 10:30	02/01/12 21:51	1.00
2,4,6-Tribromophenol	60		19 - 120	02/01/12 10:30	02/01/12 21:51	1.00
Phenol-d5	55		18 - 120	02/01/12 10:30	02/01/12 21:51	1.00
2-Fluorobiphenyl	55		14 - 120	02/01/12 10:30	02/01/12 21:51	1.00
2-Fluorophenol	55		17 - 120	02/01/12 10:30	02/01/12 21:51	1.00
Nitrobenzene-d5	48		17 - 120	02/01/12 10:30	02/01/12 21:51	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
delta-BHC	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 SB-1 (52-55)**

**Lab Sample ID: NWA4535-02**

**Date Collected: 01/26/12 11:15**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
beta-BHC	<0.000834		0.00328	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
gamma-BHC (Lindane)	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
alpha-Chlordane	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
gamma-Chlordane	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
Chlordane	<0.0331		0.0663	0.0331	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
4,4'-DDD	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
4,4'-DDE	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
<b>4,4'-DDT</b>	<b>0.000993</b>	<b>J</b>	0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
<b>Dieldrin</b>	<b>0.00828</b>		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
Endosulfan I	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
Endosulfan II	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
Endosulfan sulfate	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
Endrin	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
Endrin aldehyde	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
Endrin ketone	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
Heptachlor	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
Heptachlor epoxide	<0.000834		0.00169	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
Methoxychlor	<0.000834		0.00328	0.000834	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
Toxaphene	<0.0419		0.0663	0.0419	mg/kg wet		02/01/12 09:45	02/03/12 17:56	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>Tetrachloro-meta-xylene</i>	110		21 - 145				02/01/12 09:45	02/03/12 17:56	1.00
<i>Decachlorobiphenyl</i>	92		25 - 150				02/01/12 09:45	02/03/12 17:56	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0208		0.0330	0.0208	mg/kg wet		01/30/12 10:25	02/01/12 01:57	1.00
PCB-1221	<0.0109		0.0330	0.0109	mg/kg wet		01/30/12 10:25	02/01/12 01:57	1.00
PCB-1232	<0.0158		0.0330	0.0158	mg/kg wet		01/30/12 10:25	02/01/12 01:57	1.00
PCB-1242	<0.0258		0.0330	0.0258	mg/kg wet		01/30/12 10:25	02/01/12 01:57	1.00
PCB-1248	<0.0297		0.0330	0.0297	mg/kg wet		01/30/12 10:25	02/01/12 01:57	1.00
PCB-1254	<0.0109		0.0330	0.0109	mg/kg wet		01/30/12 10:25	02/01/12 01:57	1.00
PCB-1260	<0.0277		0.0330	0.0277	mg/kg wet		01/30/12 10:25	02/01/12 01:57	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>Tetrachloro-meta-xylene</i>	102		19 - 147				01/30/12 10:25	02/01/12 01:57	1.00
<i>Decachlorobiphenyl</i>	206	Z2	20 - 150				01/30/12 10:25	02/01/12 01:57	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>1220</b>		19.9	9.96	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Antimony	<4.98		9.96	4.98	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
<b>Arsenic</b>	<b>0.657</b>	<b>J</b>	0.996	0.498	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
<b>Barium</b>	<b>9.06</b>		1.99	0.996	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Beryllium	<0.498		0.996	0.498	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Cadmium	<0.498		0.996	0.498	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
<b>Calcium</b>	<b>6170</b>		99.6	49.8	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
<b>Chromium</b>	<b>4.32</b>		0.996	0.498	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Cobalt	<1.49		2.99	1.49	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Copper	<0.996		1.99	0.996	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 SB-1 (52-55)**

**Lab Sample ID: NWA4535-02**

Date Collected: 01/26/12 11:15

Matrix: Soil

Date Received: 01/27/12 08:15

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1790		9.96	4.98	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Lead	0.916	J	0.996	0.498	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Magnesium	183		99.6	49.8	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Manganese	34.1		2.99	1.49	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Nickel	1.02	J	1.99	0.996	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Potassium	102		99.6	49.8	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Selenium	<0.996		1.99	0.996	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Silver	<0.498		0.996	0.498	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Sodium	143	J	199	99.6	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Thallium	<0.996		1.99	0.996	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Vanadium	<4.98		9.96	4.98	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00
Zinc	5.30	J	9.96	4.98	mg/kg wet		01/30/12 12:00	02/08/12 19:34	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.049		0.099	0.049	mg/kg wet		02/02/12 13:30	02/03/12 11:36	1.0

**Client Sample ID: TRACT 26 TW-1 (26-30)**

**Lab Sample ID: NWA4535-03**

Date Collected: 01/26/12 11:30

Matrix: Ground Water

Date Received: 01/27/12 08:15

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0	P6	50.0	25.0	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Benzene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Bromochloromethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Bromodichloromethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Bromoform	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Bromomethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
2-Butanone	<25.0	P6	50.0	25.0	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Carbon disulfide	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Carbon Tetrachloride	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Chlorobenzene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Chlorodibromomethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Chloroethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Chloroform	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Chloromethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Cyclohexane	<2.50	P6	5.00	2.50	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,2-Dibromo-3-chloropropane	<5.00	P6	10.0	5.00	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,2-Dibromoethane (EDB)	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Methylcyclohexane	<2.50	P6	5.00	2.50	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,2-Dichlorobenzene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,3-Dichlorobenzene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,4-Dichlorobenzene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Dichlorodifluoromethane	<0.600	P6	1.00	0.600	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,2-Dichloroethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,1-Dichloroethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,1-Dichloroethene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
trans-1,2-Dichloroethene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,1,2-Trifluorotrchloroethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 TW-1 (26-30)**

**Lab Sample ID: NWA4535-03**

**Date Collected: 01/26/12 11:30**

**Matrix: Ground Water**

**Date Received: 01/27/12 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,2-Dichloropropane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
trans-1,3-Dichloropropene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
cis-1,3-Dichloropropene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Ethylbenzene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
2-Hexanone	<5.00	P6	10.0	5.00	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Isopropylbenzene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Methyl Acetate	<5.00	P6	10.0	5.00	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Methyl tert-Butyl Ether	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Methylene Chloride	<2.50	P6	5.00	2.50	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
4-Methyl-2-pentanone	<5.00	P6	10.0	5.00	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Styrene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,1,2,2-Tetrachloroethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Tetrachloroethene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
<b>Toluene</b>	<b>0.850</b>	<b>J P6</b>	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,2,4-Trichlorobenzene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,2,3-Trichlorobenzene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,1,1-Trichloroethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
1,1,2-Trichloroethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Trichloroethene	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Trichlorofluoromethane	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Vinyl chloride	<0.500	P6	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:15	1.00
Xylenes, total	<1.50	P6	3.00	1.50	ug/L		01/29/12 16:01	01/30/12 02:15	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	111		70 - 130	01/29/12 16:01	01/30/12 02:15	1.00
Dibromofluoromethane	107		70 - 130	01/29/12 16:01	01/30/12 02:15	1.00
Toluene-d8	100		70 - 130	01/29/12 16:01	01/30/12 02:15	1.00
4-Bromofluorobenzene	97		70 - 130	01/29/12 16:01	01/30/12 02:15	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Acenaphthylene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Anthracene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Benzo (a) anthracene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Benzo (a) pyrene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Benzo (b) fluoranthene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Benzo (g,h,i) perylene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Benzo (k) fluoranthene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
4-Bromophenyl phenyl ether	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Butyl benzyl phthalate	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Carbazole	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
4-Chloro-3-methylphenol	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
4-Chloroaniline	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Bis(2-chloroethoxy)methane	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Bis(2-chloroethyl)ether	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Bis(2-chloroisopropyl)ether	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2-Chloronaphthalene	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2-Chlorophenol	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
4-Chlorophenyl phenyl ether	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 TW-1 (26-30)**

**Lab Sample ID: NWA4535-03**

**Date Collected: 01/26/12 11:30**

**Matrix: Ground Water**

**Date Received: 01/27/12 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Dibenz (a,h) anthracene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Dibenzofuran	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Di-n-butyl phthalate	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
1,4-Dichlorobenzene	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
1,2-Dichlorobenzene	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
1,3-Dichlorobenzene	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
3,3-Dichlorobenzidine	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2,4-Dichlorophenol	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Diethyl phthalate	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2,4-Dimethylphenol	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Dimethyl phthalate	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
4,6-Dinitro-2-methylphenol	<12.3		23.6	12.3	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2,4-Dinitrophenol	<12.3		23.6	12.3	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2,6-Dinitrotoluene	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2,4-Dinitrotoluene	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Di-n-octyl phthalate	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Bis(2-ethylhexyl)phthalate	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Fluoranthene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Fluorene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Hexachlorobenzene	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Hexachlorobutadiene	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Hexachlorocyclopentadiene	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Hexachloroethane	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Indeno (1,2,3-cd) pyrene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Isophorone	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2-Methylnaphthalene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2-Methylphenol	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Naphthalene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
3/4-Methylphenol	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
3-Nitroaniline	<12.3		23.6	12.3	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2-Nitroaniline	<12.3		23.6	12.3	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
4-Nitroaniline	<12.3		23.6	12.3	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Nitrobenzene	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
4-Nitrophenol	<4.72		23.6	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2-Nitrophenol	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
N-Nitrosodiphenylamine	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
N-Nitrosodi-n-propylamine	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Pentachlorophenol	<12.3		23.6	12.3	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Phenanthrene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Phenol	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
Pyrene	<0.943		1.89	0.943	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
1,2,4-Trichlorobenzene	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2,4,6-Trichlorophenol	<4.72		9.43	4.72	ug/L		01/30/12 13:00	01/31/12 20:50	1.00
2,4,5-Trichlorophenol	<12.3		23.6	12.3	ug/L		01/30/12 13:00	01/31/12 20:50	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	47		13 - 120	01/30/12 13:00	01/31/12 20:50	1.00
2,4,6-Tribromophenol	43		10 - 120	01/30/12 13:00	01/31/12 20:50	1.00
Phenol-d5	19		10 - 120	01/30/12 13:00	01/31/12 20:50	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 TW-1 (26-30)**

**Lab Sample ID: NWA4535-03**

**Date Collected: 01/26/12 11:30**

**Matrix: Ground Water**

**Date Received: 01/27/12 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D - RE1 (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	44		29 - 120	01/30/12 13:00	01/31/12 20:50	1.00
2-Fluorophenol	25		10 - 120	01/30/12 13:00	01/31/12 20:50	1.00
Nitrobenzene-d5	45		27 - 120	01/30/12 13:00	01/31/12 20:50	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
delta-BHC	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
alpha-BHC	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
beta-BHC	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
gamma-BHC (Lindane)	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
alpha-Chlordane	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
gamma-Chlordane	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
Chlordane	<0.943		1.89	0.943	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
4,4'-DDD	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
4,4'-DDE	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
4,4'-DDT	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
Dieldrin	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
Endosulfan I	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
Endosulfan II	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
Endosulfan sulfate	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
Endrin	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
Endrin aldehyde	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
Endrin ketone	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
Heptachlor	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
Heptachlor epoxide	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
Methoxychlor	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:45	1.00
Toxaphene	<0.943		1.89	0.943	ug/L		01/31/12 08:05	01/31/12 20:45	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	88		38 - 150	01/31/12 08:05	01/31/12 20:45	1.00
Decachlorobiphenyl	32		10 - 141	01/31/12 08:05	01/31/12 20:45	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.238		0.476	0.238	ug/L		01/28/12 12:30	01/30/12 23:47	1.00
PCB-1221	<0.238		0.476	0.238	ug/L		01/28/12 12:30	01/30/12 23:47	1.00
PCB-1232	<0.238		0.476	0.238	ug/L		01/28/12 12:30	01/30/12 23:47	1.00
PCB-1242	<0.238		0.476	0.238	ug/L		01/28/12 12:30	01/30/12 23:47	1.00
PCB-1248	<0.238		0.476	0.238	ug/L		01/28/12 12:30	01/30/12 23:47	1.00
PCB-1254	<0.238		0.476	0.238	ug/L		01/28/12 12:30	01/30/12 23:47	1.00
PCB-1260	<0.238		0.476	0.238	ug/L		01/28/12 12:30	01/30/12 23:47	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	94		17 - 142	01/28/12 12:30	01/30/12 23:47	1.00
Decachlorobiphenyl	47		10 - 149	01/28/12 12:30	01/30/12 23:47	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 14:50	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 TW-1 (26-30)**

**Lab Sample ID: NWA4535-03**

Date Collected: 01/26/12 11:30

Matrix: Ground Water

Date Received: 01/27/12 08:15

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
<b>Barium</b>	<b>0.0321</b>		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
<b>Calcium</b>	<b>90.1</b>		1.00	0.500	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
<b>Iron</b>	<b>0.0341</b>	<b>J</b>	0.0500	0.0250	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
<b>Magnesium</b>	<b>13.4</b>		1.00	0.500	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
<b>Manganese</b>	<b>0.111</b>		0.0150	0.00750	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
<b>Potassium</b>	<b>7.57</b>	<b>B</b>	1.00	0.500	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
<b>Sodium</b>	<b>35.6</b>		1.00	0.500	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		02/06/12 08:00	02/08/12 14:50	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		02/06/12 08:00	02/08/12 14:50	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>48.1</b>		0.100	0.0500	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Arsenic</b>	<b>0.0684</b>		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Barium</b>	<b>0.180</b>		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Beryllium</b>	<b>0.00610</b>		0.00400	0.00200	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Cadmium</b>	<b>0.000700</b>	<b>J</b>	0.00100	0.000600	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Calcium</b>	<b>695</b>		10.0	5.00	mg/L		01/31/12 10:25	02/01/12 12:34	10.0
<b>Chromium</b>	<b>0.135</b>		0.00500	0.00250	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Cobalt</b>	<b>0.0381</b>		0.0200	0.0100	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Copper</b>	<b>0.0164</b>		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Iron</b>	<b>131</b>		0.0500	0.0250	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Lead</b>	<b>0.0187</b>		0.00500	0.00250	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Magnesium</b>	<b>37.8</b>		1.00	0.500	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Manganese</b>	<b>1.89</b>		0.0150	0.00750	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Nickel</b>	<b>0.0363</b>		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Potassium</b>	<b>14.7</b>		1.00	0.500	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Selenium</b>	<b>0.00560</b>	<b>J</b>	0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Sodium</b>	<b>44.2</b>		1.00	0.500	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Vanadium</b>	<b>0.173</b>		0.0200	0.0100	mg/L		01/31/12 10:25	02/01/12 06:46	1.00
<b>Zinc</b>	<b>0.181</b>		0.0500	0.0250	mg/L		01/31/12 10:25	02/01/12 06:46	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		02/01/12 15:00	02/02/12 14:33	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 26 TW-1 (26-30)**

**Lab Sample ID: NWA4535-03**

**Date Collected: 01/26/12 11:30**

**Matrix: Ground Water**

**Date Received: 01/27/12 08:15**

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		02/01/12 10:30	02/01/12 14:59	1.00

**Client Sample ID: TRACT 40 SB-1 (0-2)**

**Lab Sample ID: NWA4535-04**

**Date Collected: 01/26/12 14:00**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0243		0.0486	0.0243	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Benzene	<0.00107		0.00195	0.00107	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Bromochloromethane	<0.00117		0.00195	0.00117	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Bromodichloromethane	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Bromoform	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Bromomethane	<0.00117		0.00195	0.00117	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
2-Butanone	<0.0243		0.0486	0.0243	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Carbon disulfide	<0.00350		0.00486	0.00350	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Carbon Tetrachloride	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Chlorobenzene	<0.00107		0.00195	0.00107	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Chlorodibromomethane	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Chloroethane	<0.00243		0.00486	0.00243	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Chloroform	<0.00126		0.00195	0.00126	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Chloromethane	<0.00107		0.00195	0.00107	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Cyclohexane	<0.00486		0.00973	0.00486	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,2-Dibromo-3-chloropropane	<0.00243		0.00486	0.00243	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,2-Dibromoethane (EDB)	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Methylcyclohexane	<0.00486		0.00973	0.00486	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,2-Dichlorobenzene	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,3-Dichlorobenzene	<0.00117		0.00195	0.00117	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,4-Dichlorobenzene	<0.00107		0.00195	0.00107	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Dichlorodifluoromethane	<0.00136		0.00195	0.00136	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
<b>1,2-Dichloroethane</b>	<b>0.00125 J</b>		0.00195	0.00107	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,1-Dichloroethane	<0.00126		0.00195	0.00126	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,1-Dichloroethene	<0.00117		0.00195	0.00117	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
trans-1,2-Dichloroethene	<0.00126		0.00195	0.00126	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,1,2-Trifluoroethane	<0.00107		0.00195	0.00107	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
cis-1,2-Dichloroethene	<0.00107		0.00195	0.00107	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,2-Dichloropropane	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
trans-1,3-Dichloropropene	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
cis-1,3-Dichloropropene	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Ethylbenzene	<0.00107		0.00195	0.00107	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
2-Hexanone	<0.0243		0.0486	0.0243	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Isopropylbenzene	<0.00107		0.00195	0.00107	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Methyl Acetate	<0.00486		0.00973	0.00486	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Methyl tert-Butyl Ether	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Methylene Chloride	<0.00486		0.00973	0.00486	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
4-Methyl-2-pentanone	<0.0243		0.0486	0.0243	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Styrene	<0.00107		0.00195	0.00107	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,1,2,2-Tetrachloroethane	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Tetrachloroethene	<0.00126		0.00195	0.00126	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 SB-1 (0-2)**

**Lab Sample ID: NWA4535-04**

**Date Collected: 01/26/12 14:00**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00107		0.00195	0.00107	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,2,4-Trichlorobenzene	<0.00117		0.00195	0.00117	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,2,3-Trichlorobenzene	<0.00107		0.00195	0.00107	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,1,1-Trichloroethane	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
1,1,2-Trichloroethane	<0.00243		0.00486	0.00243	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Trichloroethene	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Trichlorofluoromethane	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Vinyl chloride	<0.000973		0.00195	0.000973	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
Xylenes, total	<0.00243		0.00486	0.00243	mg/kg wet		01/27/12 18:33	02/06/12 14:22	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	90		70 - 130				01/27/12 18:33	02/06/12 14:22	1.00
Dibromofluoromethane	98		70 - 130				01/27/12 18:33	02/06/12 14:22	1.00
Toluene-d8	103		70 - 130				01/27/12 18:33	02/06/12 14:22	1.00
4-Bromofluorobenzene	99		70 - 130				01/27/12 18:33	02/06/12 14:22	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Acenaphthylene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Anthracene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Benzo (a) anthracene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Benzo (a) pyrene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Benzo (b) fluoranthene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Benzo (g,h,i) perylene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Benzo (k) fluoranthene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
4-Bromophenyl phenyl ether	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Butyl benzyl phthalate	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Carbazole	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
4-Chloro-3-methylphenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
4-Chloroaniline	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Bis(2-chloroethoxy)methane	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Bis(2-chloroethyl)ether	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Bis(2-chloroisopropyl)ether	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
2-Chloronaphthalene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
2-Chlorophenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
4-Chlorophenyl phenyl ether	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Chrysene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Dibenz (a,h) anthracene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Dibenzofuran	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Di-n-butyl phthalate	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
1,4-Dichlorobenzene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
1,2-Dichlorobenzene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
1,3-Dichlorobenzene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
3,3-Dichlorobenzidine	<0.166		0.663	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
2,4-Dichlorophenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Diethyl phthalate	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
2,4-Dimethylphenol	<0.191		0.331	0.191	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Dimethyl phthalate	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
4,6-Dinitro-2-methylphenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
2,4-Dinitrophenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 SB-1 (0-2)**

**Lab Sample ID: NWA4535-04**

**Date Collected: 01/26/12 14:00**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
2,4-Dinitrotoluene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Di-n-octyl phthalate	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Bis(2-ethylhexyl)phthalate	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Fluoranthene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Fluorene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Hexachlorobenzene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Hexachlorobutadiene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Hexachlorocyclopentadiene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Hexachloroethane	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Indeno (1,2,3-cd) pyrene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Isophorone	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
2-Methylnaphthalene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
2-Methylphenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
3/4-Methylphenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Naphthalene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
3-Nitroaniline	<0.166		0.828	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
2-Nitroaniline	<0.166		0.828	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
4-Nitroaniline	<0.166		0.828	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Nitrobenzene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
4-Nitrophenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
2-Nitrophenol	<0.195		0.331	0.195	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
N-Nitrosodiphenylamine	<0.182		0.331	0.182	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
N-Nitrosodi-n-propylamine	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Pentachlorophenol	<0.166		0.828	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Phenanthrene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Phenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
Pyrene	<0.0338		0.0666	0.0338	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
1,2,4-Trichlorobenzene	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
2,4,6-Trichlorophenol	<0.166		0.331	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00
2,4,5-Trichlorophenol	<0.166		0.828	0.166	mg/kg wet		02/01/12 10:30	02/01/12 22:09	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	82		18 - 120	02/01/12 10:30	02/01/12 22:09	1.00
2,4,6-Tribromophenol	67		19 - 120	02/01/12 10:30	02/01/12 22:09	1.00
Phenol-d5	59		18 - 120	02/01/12 10:30	02/01/12 22:09	1.00
2-Fluorobiphenyl	59		14 - 120	02/01/12 10:30	02/01/12 22:09	1.00
2-Fluorophenol	58		17 - 120	02/01/12 10:30	02/01/12 22:09	1.00
Nitrobenzene-d5	51		17 - 120	02/01/12 10:30	02/01/12 22:09	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
delta-BHC	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
alpha-BHC	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
beta-BHC	<0.000839		0.00330	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
gamma-BHC (Lindane)	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
alpha-Chlordane	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
gamma-Chlordane	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Chlordane	<0.0333		0.0666	0.0333	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
4,4'-DDD	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 SB-1 (0-2)**

**Lab Sample ID: NWA4535-04**

**Date Collected: 01/26/12 14:00**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
4,4'-DDT	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Dieldrin	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Endosulfan I	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Endosulfan II	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Endosulfan sulfate	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Endrin	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Endrin aldehyde	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Endrin ketone	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Heptachlor	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Heptachlor epoxide	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Methoxychlor	<0.000839		0.00330	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Toxaphene	<0.0421		0.0666	0.0421	mg/kg wet		02/01/12 09:45	02/03/12 18:10	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	92		21 - 145				02/01/12 09:45	02/03/12 18:10	1.00
Decachlorobiphenyl	70		25 - 150				02/01/12 09:45	02/03/12 18:10	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0207		0.0328	0.0207	mg/kg wet		01/30/12 10:25	02/01/12 02:22	1.00
PCB-1221	<0.0108		0.0328	0.0108	mg/kg wet		01/30/12 10:25	02/01/12 02:22	1.00
PCB-1232	<0.0158		0.0328	0.0158	mg/kg wet		01/30/12 10:25	02/01/12 02:22	1.00
PCB-1242	<0.0256		0.0328	0.0256	mg/kg wet		01/30/12 10:25	02/01/12 02:22	1.00
PCB-1248	<0.0296		0.0328	0.0296	mg/kg wet		01/30/12 10:25	02/01/12 02:22	1.00
PCB-1254	<0.0108		0.0328	0.0108	mg/kg wet		01/30/12 10:25	02/01/12 02:22	1.00
PCB-1260	<0.0276		0.0328	0.0276	mg/kg wet		01/30/12 10:25	02/01/12 02:22	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	98		19 - 147				01/30/12 10:25	02/01/12 02:22	1.00
Decachlorobiphenyl	196	Z2	20 - 150				01/30/12 10:25	02/01/12 02:22	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>12700</b>		20.0	10.0	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
Antimony	<5.01		10.0	5.01	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
<b>Arsenic</b>	<b>4.09</b>		1.00	0.501	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
<b>Barium</b>	<b>22.3</b>		2.00	1.00	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
Beryllium	<0.501		1.00	0.501	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
Cadmium	<0.501		1.00	0.501	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
<b>Calcium</b>	<b>861</b>		100	50.1	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
<b>Chromium</b>	<b>11.0</b>		1.00	0.501	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
Cobalt	<1.50		3.01	1.50	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
Copper	<1.00		2.00	1.00	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
<b>Iron</b>	<b>11900</b>		10.0	5.01	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
<b>Lead</b>	<b>7.49</b>		1.00	0.501	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
<b>Magnesium</b>	<b>618</b>		100	50.1	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
<b>Manganese</b>	<b>26.0</b>		3.01	1.50	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
<b>Nickel</b>	<b>3.15</b>		2.00	1.00	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
<b>Potassium</b>	<b>286</b>		100	50.1	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
Selenium	<1.00		2.00	1.00	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 SB-1 (0-2)**

**Lab Sample ID: NWA4535-04**

Date Collected: 01/26/12 14:00

Matrix: Soil

Date Received: 01/27/12 08:15

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.501		1.00	0.501	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
Sodium	<100		200	100	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
Thallium	<1.00		2.00	1.00	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
<b>Vanadium</b>	<b>17.8</b>		10.0	5.01	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00
<b>Zinc</b>	<b>8.90</b>	<b>J</b>	10.0	5.01	mg/kg wet		01/30/12 12:00	02/08/12 19:37	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.050		0.10	0.050	mg/kg wet		02/02/12 13:30	02/03/12 11:39	1.0

**Client Sample ID: TRACT 40 SB-1 (4-8)**

**Lab Sample ID: NWA4535-05**

Date Collected: 01/26/12 14:50

Matrix: Soil

Date Received: 01/27/12 08:15

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0198		0.0397	0.0198	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Benzene	<0.000873		0.00159	0.000873	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Bromochloromethane	<0.000952		0.00159	0.000952	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Bromodichloromethane	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Bromoform	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Bromomethane	<0.000952		0.00159	0.000952	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
2-Butanone	<0.0198		0.0397	0.0198	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Carbon disulfide	<0.00286		0.00397	0.00286	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Carbon Tetrachloride	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Chlorobenzene	<0.000873		0.00159	0.000873	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Chlorodibromomethane	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Chloroethane	<0.00198		0.00397	0.00198	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Chloroform	<0.00103		0.00159	0.00103	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Chloromethane	<0.000873		0.00159	0.000873	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Cyclohexane	<0.00397		0.00794	0.00397	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,2-Dibromo-3-chloropropane	<0.00198		0.00397	0.00198	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,2-Dibromoethane (EDB)	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Methylcyclohexane	<0.00397		0.00794	0.00397	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,2-Dichlorobenzene	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,3-Dichlorobenzene	<0.000952		0.00159	0.000952	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,4-Dichlorobenzene	<0.000873		0.00159	0.000873	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Dichlorodifluoromethane	<0.00111		0.00159	0.00111	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,2-Dichloroethane	<0.000873		0.00159	0.000873	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,1-Dichloroethane	<0.00103		0.00159	0.00103	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,1-Dichloroethene	<0.000952		0.00159	0.000952	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
trans-1,2-Dichloroethene	<0.00103		0.00159	0.00103	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,1,2-Trifluorotrchloroethane	<0.000873		0.00159	0.000873	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
cis-1,2-Dichloroethene	<0.000873		0.00159	0.000873	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,2-Dichloropropane	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
trans-1,3-Dichloropropene	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
cis-1,3-Dichloropropene	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Ethylbenzene	<0.000873		0.00159	0.000873	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
2-Hexanone	<0.0198		0.0397	0.0198	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Isopropylbenzene	<0.000873		0.00159	0.000873	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 SB-1 (4-8)**

**Lab Sample ID: NWA4535-05**

**Date Collected: 01/26/12 14:50**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Acetate	<0.00397		0.00794	0.00397	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Methyl tert-Butyl Ether	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Methylene Chloride	<0.00397		0.00794	0.00397	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
4-Methyl-2-pentanone	<0.0198		0.0397	0.0198	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Styrene	<0.000873		0.00159	0.000873	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,1,2,2-Tetrachloroethane	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Tetrachloroethene	<0.00103		0.00159	0.00103	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Toluene	<0.000873		0.00159	0.000873	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,2,4-Trichlorobenzene	<0.000952		0.00159	0.000952	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,2,3-Trichlorobenzene	<0.000873		0.00159	0.000873	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,1,1-Trichloroethane	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
1,1,2-Trichloroethane	<0.00198		0.00397	0.00198	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Trichloroethene	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Trichlorofluoromethane	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Vinyl chloride	<0.000794		0.00159	0.000794	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00
Xylenes, total	<0.00198		0.00397	0.00198	mg/kg wet		01/27/12 18:33	02/03/12 16:36	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	93		70 - 130	01/27/12 18:33	02/03/12 16:36	1.00
Dibromofluoromethane	100		70 - 130	01/27/12 18:33	02/03/12 16:36	1.00
Toluene-d8	102		70 - 130	01/27/12 18:33	02/03/12 16:36	1.00
4-Bromofluorobenzene	95		70 - 130	01/27/12 18:33	02/03/12 16:36	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Acenaphthylene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Anthracene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Benzo (a) anthracene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Benzo (a) pyrene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Benzo (b) fluoranthene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Benzo (g,h,i) perylene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Benzo (k) fluoranthene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Chrysene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Dibenz (a,h) anthracene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 SB-1 (4-8)**

**Lab Sample ID: NWA4535-05**

**Date Collected: 01/26/12 14:50**

**Matrix: Soil**

**Date Received: 01/27/12 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3-Dichlorobenzidine	<0.167		0.666	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Fluoranthene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Fluorene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2-Methylnaphthalene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Naphthalene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
3-Nitroaniline	<0.167		0.832	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2-Nitroaniline	<0.167		0.832	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
4-Nitroaniline	<0.167		0.832	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Pentachlorophenol	<0.167		0.832	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Phenanthrene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
Pyrene	<0.0340		0.0669	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00
2,4,5-Trichlorophenol	<0.167		0.832	0.167	mg/kg wet		02/01/12 10:30	02/01/12 22:27	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	85		18 - 120	02/01/12 10:30	02/01/12 22:27	1.00
2,4,6-Tribromophenol	69		19 - 120	02/01/12 10:30	02/01/12 22:27	1.00
Phenol-d5	62		18 - 120	02/01/12 10:30	02/01/12 22:27	1.00
2-Fluorobiphenyl	62		14 - 120	02/01/12 10:30	02/01/12 22:27	1.00
2-Fluorophenol	60		17 - 120	02/01/12 10:30	02/01/12 22:27	1.00
Nitrobenzene-d5	54		17 - 120	02/01/12 10:30	02/01/12 22:27	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
delta-BHC	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 SB-1 (4-8)**

**Lab Sample ID: NWA4535-05**

Date Collected: 01/26/12 14:50

Matrix: Soil

Date Received: 01/27/12 08:15

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
beta-BHC	<0.000839		0.00329	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
gamma-BHC (Lindane)	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
alpha-Chlordane	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
gamma-Chlordane	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
Chlordane	<0.0332		0.0666	0.0332	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
4,4'-DDD	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
4,4'-DDE	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
4,4'-DDT	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
Dieldrin	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
Endosulfan I	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
Endosulfan II	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
Endosulfan sulfate	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
Endrin	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
Endrin aldehyde	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
Endrin ketone	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
Heptachlor	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
Heptachlor epoxide	<0.000839		0.00170	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
Methoxychlor	<0.000839		0.00329	0.000839	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
Toxaphene	<0.0421		0.0666	0.0421	mg/kg wet		02/01/12 09:45	02/03/12 18:24	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	96		21 - 145				02/01/12 09:45	02/03/12 18:24	1.00
Decachlorobiphenyl	88		25 - 150				02/01/12 09:45	02/03/12 18:24	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0207		0.0328	0.0207	mg/kg wet		01/30/12 10:25	02/01/12 02:46	1.00
PCB-1221	<0.0108		0.0328	0.0108	mg/kg wet		01/30/12 10:25	02/01/12 02:46	1.00
PCB-1232	<0.0158		0.0328	0.0158	mg/kg wet		01/30/12 10:25	02/01/12 02:46	1.00
PCB-1242	<0.0256		0.0328	0.0256	mg/kg wet		01/30/12 10:25	02/01/12 02:46	1.00
PCB-1248	<0.0295		0.0328	0.0295	mg/kg wet		01/30/12 10:25	02/01/12 02:46	1.00
PCB-1254	<0.0108		0.0328	0.0108	mg/kg wet		01/30/12 10:25	02/01/12 02:46	1.00
PCB-1260	<0.0276		0.0328	0.0276	mg/kg wet		01/30/12 10:25	02/01/12 02:46	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	104		19 - 147				01/30/12 10:25	02/01/12 02:46	1.00
Decachlorobiphenyl	216	Z2	20 - 150				01/30/12 10:25	02/01/12 02:46	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>6530</b>		19.5	9.75	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Antimony	<4.87		9.75	4.87	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
<b>Arsenic</b>	<b>2.46</b>		0.975	0.487	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
<b>Barium</b>	<b>41.2</b>		1.95	0.975	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Beryllium	<0.487		0.975	0.487	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Cadmium	<0.487		0.975	0.487	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
<b>Calcium</b>	<b>285</b>		97.5	48.7	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
<b>Chromium</b>	<b>12.3</b>		0.975	0.487	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Cobalt	<1.46		2.92	1.46	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
<b>Copper</b>	<b>1.42</b>	J	1.95	0.975	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 SB-1 (4-8)**

**Lab Sample ID: NWA4535-05**

Date Collected: 01/26/12 14:50

Matrix: Soil

Date Received: 01/27/12 08:15

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	7180		9.75	4.87	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Lead	4.27		0.975	0.487	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Magnesium	553		97.5	48.7	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Manganese	17.1		2.92	1.46	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Nickel	2.48		1.95	0.975	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Potassium	293		97.5	48.7	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Selenium	<0.975		1.95	0.975	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Silver	<0.487		0.975	0.487	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Sodium	<97.5		195	97.5	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Thallium	<0.975		1.95	0.975	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Vanadium	15.8		9.75	4.87	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00
Zinc	9.36	J	9.75	4.87	mg/kg wet		01/30/12 12:00	02/08/12 19:40	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.048		0.097	0.048	mg/kg wet		02/02/12 13:30	02/03/12 11:41	1.0

**Client Sample ID: TRACT 40 TW-1 (4-8)**

**Lab Sample ID: NWA4535-06**

Date Collected: 01/26/12 15:10

Matrix: Ground Water

Date Received: 01/27/12 08:15

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Benzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Bromoform	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Chloroform	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 TW-1 (4-8)**

**Lab Sample ID: NWA4535-06**

**Date Collected: 01/26/12 15:10**

**Matrix: Ground Water**

**Date Received: 01/27/12 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Styrene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Toluene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 02:43	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		01/29/12 16:01	01/30/12 02:43	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	113		70 - 130	01/29/12 16:01	01/30/12 02:43	1.00
Dibromofluoromethane	108		70 - 130	01/29/12 16:01	01/30/12 02:43	1.00
Toluene-d8	100		70 - 130	01/29/12 16:01	01/30/12 02:43	1.00
4-Bromofluorobenzene	97		70 - 130	01/29/12 16:01	01/30/12 02:43	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Acenaphthylene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Anthracene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Benzo (a) anthracene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Benzo (a) pyrene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Benzo (b) fluoranthene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Benzo (g,h,i) perylene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Benzo (k) fluoranthene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
4-Bromophenyl phenyl ether	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Butyl benzyl phthalate	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Carbazole	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
4-Chloro-3-methylphenol	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
4-Chloroaniline	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Bis(2-chloroethoxy)methane	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Bis(2-chloroethyl)ether	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Bis(2-chloroisopropyl)ether	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2-Chloronaphthalene	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2-Chlorophenol	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
4-Chlorophenyl phenyl ether	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 TW-1 (4-8)**

**Lab Sample ID: NWA4535-06**

**Date Collected: 01/26/12 15:10**

**Matrix: Ground Water**

**Date Received: 01/27/12 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Dibenz (a,h) anthracene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Dibenzofuran	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Di-n-butyl phthalate	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
1,4-Dichlorobenzene	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
1,2-Dichlorobenzene	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
1,3-Dichlorobenzene	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
3,3-Dichlorobenzidine	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2,4-Dichlorophenol	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Diethyl phthalate	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2,4-Dimethylphenol	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Dimethyl phthalate	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
4,6-Dinitro-2-methylphenol	<12.4		23.8	12.4	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2,4-Dinitrophenol	<12.4		23.8	12.4	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2,6-Dinitrotoluene	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2,4-Dinitrotoluene	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Di-n-octyl phthalate	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Bis(2-ethylhexyl)phthalate	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Fluoranthene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Fluorene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Hexachlorobenzene	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Hexachlorobutadiene	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Hexachlorocyclopentadiene	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Hexachloroethane	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Indeno (1,2,3-cd) pyrene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Isophorone	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2-Methylnaphthalene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2-Methylphenol	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Naphthalene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
3/4-Methylphenol	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
3-Nitroaniline	<12.4		23.8	12.4	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2-Nitroaniline	<12.4		23.8	12.4	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
4-Nitroaniline	<12.4		23.8	12.4	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Nitrobenzene	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
4-Nitrophenol	<4.76		23.8	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2-Nitrophenol	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
N-Nitrosodiphenylamine	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
N-Nitrosodi-n-propylamine	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Pentachlorophenol	<12.4		23.8	12.4	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Phenanthrene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Phenol	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
Pyrene	<0.952		1.90	0.952	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
1,2,4-Trichlorobenzene	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2,4,6-Trichlorophenol	<4.76		9.52	4.76	ug/L		01/28/12 13:00	01/28/12 23:36	1.00
2,4,5-Trichlorophenol	<12.4		23.8	12.4	ug/L		01/28/12 13:00	01/28/12 23:36	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	36		13 - 120	01/28/12 13:00	01/28/12 23:36	1.00
2,4,6-Tribromophenol	70		10 - 120	01/28/12 13:00	01/28/12 23:36	1.00
Phenol-d5	23		10 - 120	01/28/12 13:00	01/28/12 23:36	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 TW-1 (4-8)**

**Lab Sample ID: NWA4535-06**

**Date Collected: 01/26/12 15:10**

**Matrix: Ground Water**

**Date Received: 01/27/12 08:15**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	66		29 - 120	01/28/12 13:00	01/28/12 23:36	1.00
2-Fluorophenol	38		10 - 120	01/28/12 13:00	01/28/12 23:36	1.00
Nitrobenzene-d5	61		27 - 120	01/28/12 13:00	01/28/12 23:36	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
delta-BHC	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
alpha-BHC	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
beta-BHC	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
gamma-BHC (Lindane)	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
alpha-Chlordane	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
gamma-Chlordane	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
Chlordane	<0.943		1.89	0.943	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
4,4'-DDD	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
4,4'-DDE	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
4,4'-DDT	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
<b>Dieldrin</b>	<b>0.0708</b>		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
Endosulfan I	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
Endosulfan II	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
Endosulfan sulfate	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
Endrin	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
Endrin aldehyde	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
Endrin ketone	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
Heptachlor	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
Heptachlor epoxide	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
Methoxychlor	<0.0123		0.0236	0.0123	ug/L		01/31/12 08:05	01/31/12 20:59	1.00
Toxaphene	<0.943		1.89	0.943	ug/L		01/31/12 08:05	01/31/12 20:59	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	90		38 - 150	01/31/12 08:05	01/31/12 20:59	1.00
Decachlorobiphenyl	36		10 - 141	01/31/12 08:05	01/31/12 20:59	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.236		0.472	0.236	ug/L		01/28/12 12:30	01/31/12 00:11	1.00
PCB-1221	<0.236		0.472	0.236	ug/L		01/28/12 12:30	01/31/12 00:11	1.00
PCB-1232	<0.236		0.472	0.236	ug/L		01/28/12 12:30	01/31/12 00:11	1.00
PCB-1242	<0.236		0.472	0.236	ug/L		01/28/12 12:30	01/31/12 00:11	1.00
PCB-1248	<0.236		0.472	0.236	ug/L		01/28/12 12:30	01/31/12 00:11	1.00
PCB-1254	<0.236		0.472	0.236	ug/L		01/28/12 12:30	01/31/12 00:11	1.00
PCB-1260	<0.236		0.472	0.236	ug/L		01/28/12 12:30	01/31/12 00:11	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	98		17 - 142	01/28/12 12:30	01/31/12 00:11	1.00
Decachlorobiphenyl	64		10 - 149	01/28/12 12:30	01/31/12 00:11	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.500		1.00	0.500	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Antimony	<0.0500		0.100	0.0500	mg/L		02/06/12 08:00	02/08/12 14:53	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 TW-1 (4-8)**

**Lab Sample ID: NWA4535-06**

**Date Collected: 01/26/12 15:10**

**Matrix: Ground Water**

**Date Received: 01/27/12 08:15**

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0500		0.100	0.0500	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Barium	<0.0500		0.100	0.0500	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Beryllium	<0.0200		0.0400	0.0200	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Cadmium	<0.00600		0.0100	0.00600	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
<b>Calcium</b>	<b>13.7</b>		10.0	5.00	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Chromium	<0.0250		0.0500	0.0250	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Cobalt	<0.100		0.200	0.100	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Copper	<0.0500		0.100	0.0500	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
<b>Iron</b>	<b>0.339</b>	<b>J</b>	0.500	0.250	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Lead	<0.0250		0.0500	0.0250	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Magnesium	<5.00		10.0	5.00	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
<b>Manganese</b>	<b>0.137</b>	<b>J</b>	0.150	0.0750	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Nickel	<0.0500		0.100	0.0500	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Potassium	<5.00		10.0	5.00	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Selenium	<0.0500		0.100	0.0500	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Silver	<0.0250		0.0500	0.0250	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
<b>Sodium</b>	<b>9.08</b>	<b>J</b>	10.0	5.00	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Thallium	<0.0500		0.100	0.0500	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Vanadium	<0.100		0.200	0.100	mg/L		02/06/12 08:00	02/08/12 14:53	1.00
Zinc	<0.250		0.500	0.250	mg/L		02/06/12 08:00	02/08/12 14:53	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>48.6</b>		0.100	0.0500	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Arsenic</b>	<b>0.0425</b>		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Barium</b>	<b>0.701</b>		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Beryllium</b>	<b>0.0139</b>		0.00400	0.00200	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Cadmium</b>	<b>0.00140</b>		0.00100	0.000600	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Calcium</b>	<b>88.7</b>		1.00	0.500	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Chromium</b>	<b>0.0838</b>		0.00500	0.00250	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Cobalt</b>	<b>0.0439</b>		0.0200	0.0100	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Copper</b>	<b>0.0141</b>		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Iron</b>	<b>72.8</b>		0.0500	0.0250	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Lead</b>	<b>0.0269</b>		0.00500	0.00250	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Magnesium</b>	<b>10.8</b>		1.00	0.500	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Manganese</b>	<b>0.925</b>		0.0150	0.00750	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Nickel</b>	<b>0.0459</b>		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Potassium</b>	<b>4.67</b>		1.00	0.500	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Sodium</b>	<b>6.51</b>		1.00	0.500	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Vanadium</b>	<b>0.119</b>		0.0200	0.0100	mg/L		01/31/12 10:25	02/01/12 06:49	1.00
<b>Zinc</b>	<b>0.196</b>		0.0500	0.0250	mg/L		01/31/12 10:25	02/01/12 06:49	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		02/01/12 15:00	02/02/12 14:36	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: TRACT 40 TW-1 (4-8)**

**Lab Sample ID: NWA4535-06**

**Date Collected: 01/26/12 15:10**

**Matrix: Ground Water**

**Date Received: 01/27/12 08:15**

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		02/01/12 10:30	02/01/12 15:01	1.00

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWA4535-07**

**Date Collected: 01/26/12 00:01**

**Matrix: Water**

**Date Received: 01/27/12 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Benzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Bromoform	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Chloroform	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,1,2-Trifluoroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Styrene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWA4535-07**

**Date Collected: 01/26/12 00:01**

**Matrix: Water**

**Date Received: 01/27/12 08:15**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		01/29/12 16:01	01/29/12 21:09	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	113		70 - 130				01/29/12 16:01	01/29/12 21:09	1.00
Dibromofluoromethane	109		70 - 130				01/29/12 16:01	01/29/12 21:09	1.00
Toluene-d8	100		70 - 130				01/29/12 16:01	01/29/12 21:09	1.00
4-Bromofluorobenzene	98		70 - 130				01/29/12 16:01	01/29/12 21:09	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 12A6946-BLK1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Benzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Bromoform	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Chloroform	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Styrene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Toluene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12A6946-BLK1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<1.50		3.00	1.50	ug/L		01/29/12 16:01	01/29/12 18:49	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	111		70 - 130	01/29/12 16:01	01/29/12 18:49	1.00
Dibromofluoromethane	108		70 - 130	01/29/12 16:01	01/29/12 18:49	1.00
Toluene-d8	99		70 - 130	01/29/12 16:01	01/29/12 18:49	1.00
4-Bromofluorobenzene	96		70 - 130	01/29/12 16:01	01/29/12 18:49	1.00

**Lab Sample ID: 12A6946-BS1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	360		ug/L		144	54 - 145
Benzene	50.0	51.6		ug/L		103	80 - 121
Bromochloromethane	50.0	56.7		ug/L		113	78 - 129
Bromodichloromethane	50.0	50.9		ug/L		102	75 - 129
Bromoform	50.0	46.7		ug/L		93	46 - 145
Bromomethane	50.0	46.1		ug/L		92	41 - 150
2-Butanone	250	282		ug/L		113	62 - 133
Carbon disulfide	50.0	50.0		ug/L		100	77 - 126
Carbon Tetrachloride	50.0	60.4		ug/L		121	64 - 147
Chlorobenzene	50.0	49.8		ug/L		100	80 - 120
Chlorodibromomethane	50.0	54.1		ug/L		108	69 - 133
Chloroethane	50.0	50.0		ug/L		100	72 - 120
Chloroform	50.0	54.6		ug/L		109	73 - 129
Chloromethane	50.0	37.9		ug/L		76	12 - 150
Cyclohexane	50.0	54.2		ug/L		108	73 - 122
1,2-Dibromo-3-chloropropane	50.0	44.5		ug/L		89	54 - 125
1,2-Dibromoethane (EDB)	50.0	50.8		ug/L		102	80 - 129
Methylcyclohexane	50.0	56.3		ug/L		113	71 - 129
1,2-Dichlorobenzene	50.0	49.7		ug/L		99	80 - 121
1,3-Dichlorobenzene	50.0	49.6		ug/L		99	80 - 122
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 120
Dichlorodifluoromethane	50.0	48.5		ug/L		97	37 - 127
1,2-Dichloroethane	50.0	53.7		ug/L		107	77 - 121
1,1-Dichloroethane	50.0	54.5		ug/L		109	78 - 125
1,1-Dichloroethene	50.0	55.8		ug/L		112	79 - 124
trans-1,2-Dichloroethene	50.0	55.3		ug/L		111	79 - 126
1,1,2-Trifluoro-trichloroethane	50.0	57.1		ug/L		114	77 - 129
cis-1,2-Dichloroethene	50.0	54.8		ug/L		110	76 - 125
1,2-Dichloropropane	50.0	49.0		ug/L		98	75 - 120
trans-1,3-Dichloropropene	50.0	51.4		ug/L		103	63 - 134
cis-1,3-Dichloropropene	50.0	52.8		ug/L		106	74 - 140
Ethylbenzene	50.0	50.4		ug/L		101	80 - 130
2-Hexanone	250	274		ug/L		110	60 - 142
Isopropylbenzene	50.0	53.3		ug/L		107	80 - 141
Methyl Acetate	50.0	34.0		ug/L		68	64 - 150
Methyl tert-Butyl Ether	50.0	55.2		ug/L		110	72 - 133

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12A6946-BS1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	50.0	54.6		ug/L		109	79 - 123	
4-Methyl-2-pentanone	250	258		ug/L		103	60 - 137	
Styrene	50.0	49.5		ug/L		99	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	43.9		ug/L		88	69 - 131	
Tetrachloroethene	50.0	56.3		ug/L		113	80 - 126	
Toluene	50.0	50.3		ug/L		101	80 - 126	
1,2,4-Trichlorobenzene	50.0	47.4		ug/L		95	63 - 133	
1,2,3-Trichlorobenzene	50.0	48.1		ug/L		96	62 - 133	
1,1,1-Trichloroethane	50.0	58.2		ug/L		116	78 - 135	
1,1,2-Trichloroethane	50.0	50.0		ug/L		100	80 - 124	
Trichloroethene	50.0	54.2		ug/L		108	80 - 123	
Trichlorofluoromethane	50.0	51.6		ug/L		103	65 - 124	
Vinyl chloride	50.0	47.2		ug/L		94	68 - 120	
Xylenes, total	150	151		ug/L		100	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	104		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	95		70 - 130

**Lab Sample ID: 12A6946-BSD1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Acetone	250	295		ug/L		118	54 - 145	20	21	
Benzene	50.0	50.7		ug/L		101	80 - 121	2	17	
Bromochloromethane	50.0	56.2		ug/L		112	78 - 129	0.9	17	
Bromodichloromethane	50.0	50.1		ug/L		100	75 - 129	2	18	
Bromoform	50.0	46.2		ug/L		92	46 - 145	1	16	
Bromomethane	50.0	45.6		ug/L		91	41 - 150	1	50	
2-Butanone	250	268		ug/L		107	62 - 133	5	19	
Carbon disulfide	50.0	48.7		ug/L		97	77 - 126	3	21	
Carbon Tetrachloride	50.0	59.1		ug/L		118	64 - 147	2	19	
Chlorobenzene	50.0	49.0		ug/L		98	80 - 120	2	14	
Chlorodibromomethane	50.0	53.2		ug/L		106	69 - 133	2	15	
Chloroethane	50.0	47.9		ug/L		96	72 - 120	4	20	
Chloroform	50.0	53.8		ug/L		108	73 - 129	1	18	
Chloromethane	50.0	36.8		ug/L		74	12 - 150	3	31	
Cyclohexane	50.0	53.2		ug/L		106	73 - 122	2	16	
1,2-Dibromo-3-chloropropane	50.0	44.7		ug/L		89	54 - 125	0.5	24	
1,2-Dibromoethane (EDB)	50.0	50.1		ug/L		100	80 - 129	1	15	
Methylcyclohexane	50.0	54.9		ug/L		110	71 - 129	3	19	
1,2-Dichlorobenzene	50.0	48.9		ug/L		98	80 - 121	2	15	
1,3-Dichlorobenzene	50.0	49.1		ug/L		98	80 - 122	1	15	
1,4-Dichlorobenzene	50.0	49.6		ug/L		99	80 - 120	2	15	
Dichlorodifluoromethane	50.0	48.7		ug/L		97	37 - 127	0.5	18	
1,2-Dichloroethane	50.0	52.7		ug/L		105	77 - 121	2	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12A6946-BSD1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,1-Dichloroethane	50.0	53.9		ug/L		108	78 - 125	1	17	
1,1-Dichloroethene	50.0	55.2		ug/L		110	79 - 124	1	17	
trans-1,2-Dichloroethene	50.0	53.8		ug/L		108	79 - 126	3	16	
1,1,2-Trifluorotrichloroethane	50.0	56.1		ug/L		112	77 - 129	2	18	
cis-1,2-Dichloroethene	50.0	53.8		ug/L		108	76 - 125	2	17	
1,2-Dichloropropane	50.0	48.0		ug/L		96	75 - 120	2	17	
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	63 - 134	0.9	14	
cis-1,3-Dichloropropene	50.0	52.0		ug/L		104	74 - 140	1	15	
Ethylbenzene	50.0	49.6		ug/L		99	80 - 130	2	15	
2-Hexanone	250	259		ug/L		104	60 - 142	6	15	
Isopropylbenzene	50.0	52.8		ug/L		106	80 - 141	1	16	
Methyl Acetate	50.0	33.9		ug/L		68	64 - 150	0.2	31	
Methyl tert-Butyl Ether	50.0	55.8		ug/L		112	72 - 133	1	16	
Methylene Chloride	50.0	54.0		ug/L		108	79 - 123	1	17	
4-Methyl-2-pentanone	250	254		ug/L		102	60 - 137	2	17	
Styrene	50.0	48.7		ug/L		97	80 - 127	2	24	
1,1,2,2-Tetrachloroethane	50.0	43.4		ug/L		87	69 - 131	1	20	
Tetrachloroethene	50.0	55.4		ug/L		111	80 - 126	1	16	
Toluene	50.0	49.4		ug/L		99	80 - 126	2	15	
1,2,4-Trichlorobenzene	50.0	47.5		ug/L		95	63 - 133	0.3	19	
1,2,3-Trichlorobenzene	50.0	47.7		ug/L		95	62 - 133	0.9	25	
1,1,1-Trichloroethane	50.0	56.9		ug/L		114	78 - 135	2	17	
1,1,2-Trichloroethane	50.0	49.6		ug/L		99	80 - 124	0.6	15	
Trichloroethene	50.0	52.9		ug/L		106	80 - 123	2	17	
Trichlorofluoromethane	50.0	50.8		ug/L		102	65 - 124	2	18	
Vinyl chloride	50.0	45.7		ug/L		91	68 - 120	3	17	
Xylenes, total	150	149		ug/L		99	80 - 132	1	15	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	102		70 - 130
Dibromofluoromethane	111		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	95		70 - 130

**Lab Sample ID: 12A6946-MS1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	<250		2500	3010		ug/L		121	45 - 141	
Benzene	<5.00		500	556		ug/L		111	75 - 133	
Bromochloromethane	<5.00		500	588		ug/L		118	67 - 139	
Bromodichloromethane	<5.00		500	521		ug/L		104	70 - 140	
Bromoform	<5.00		500	424		ug/L		85	42 - 147	
Bromomethane	<5.00		500	434		ug/L		87	16 - 163	
2-Butanone	<250		2500	2660		ug/L		107	50 - 138	
Carbon disulfide	<5.00		500	530		ug/L		106	48 - 152	
Carbon Tetrachloride	<5.00		500	655		ug/L		131	62 - 164	
Chlorobenzene	<5.00		500	523		ug/L		105	80 - 129	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 12A6946-MS1

Matrix: Water

Analysis Batch: V001573

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 12A6946\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlorodibromomethane	<5.00		500	525		ug/L		105	66 - 140
Chloroethane	<5.00		500	538		ug/L		108	58 - 137
Chloroform	<5.00		500	585		ug/L		117	66 - 138
Chloromethane	<5.00		500	377		ug/L		75	10 - 169
Cyclohexane	<25.0		500	601		ug/L		120	58 - 144
1,2-Dibromo-3-chloropropane	<50.0		500	356		ug/L		71	52 - 126
1,2-Dibromoethane (EDB)	<5.00		500	508		ug/L		102	75 - 137
Methylcyclohexane	<25.0		500	597		ug/L		119	59 - 151
1,2-Dichlorobenzene	<5.00		500	514		ug/L		103	79 - 128
1,3-Dichlorobenzene	<5.00		500	514		ug/L		103	77 - 131
1,4-Dichlorobenzene	<5.00		500	520		ug/L		104	78 - 126
Dichlorodifluoromethane	<6.00		500	493		ug/L		99	40 - 127
1,2-Dichloroethane	<5.00		500	579		ug/L		116	64 - 136
1,1-Dichloroethane	<5.00		500	603		ug/L		121	71 - 139
1,1-Dichloroethene	<5.00		500	606		ug/L		121	70 - 142
trans-1,2-Dichloroethene	<5.00		500	599		ug/L		120	66 - 143
1,1,2-Trifluorotrchloroethane	<5.00		500	630		ug/L		126	72 - 148
cis-1,2-Dichloroethene	14.0		500	596		ug/L		116	68 - 138
1,2-Dichloropropane	<5.00		500	529		ug/L		106	67 - 131
trans-1,3-Dichloropropene	<5.00		500	498		ug/L		100	59 - 135
cis-1,3-Dichloropropene	<5.00		500	528		ug/L		106	71 - 141
Ethylbenzene	<5.00		500	540		ug/L		108	79 - 139
2-Hexanone	<50.0		2500	2650		ug/L		106	50 - 150
Isopropylbenzene	<5.00		500	562		ug/L		112	80 - 153
Methyl Acetate	<50.0		500	366		ug/L		73	30 - 165
Methyl tert-Butyl Ether	<5.00		500	532		ug/L		106	66 - 141
Methylene Chloride	<25.0		500	569		ug/L		114	64 - 139
4-Methyl-2-pentanone	<50.0		2500	2610		ug/L		105	50 - 147
Styrene	<5.00		500	521		ug/L		104	61 - 148
1,1,2,2-Tetrachloroethane	<5.00		500	447		ug/L		89	56 - 143
Tetrachloroethene	<5.00		500	595		ug/L		119	72 - 145
Toluene	<5.00		500	542		ug/L		108	75 - 136
1,2,4-Trichlorobenzene	<5.00		500	431		ug/L		86	60 - 136
1,2,3-Trichlorobenzene	<5.00		500	426		ug/L		85	55 - 138
1,1,1-Trichloroethane	<5.00		500	625		ug/L		125	76 - 149
1,1,2-Trichloroethane	<5.00		500	516		ug/L		103	74 - 134
Trichloroethene	6.60		500	574		ug/L		113	73 - 144
Trichlorofluoromethane	<5.00		500	569		ug/L		114	58 - 139
Vinyl chloride	<5.00		500	487		ug/L		97	56 - 129
Xylenes, total	<15.0		1500	1630		ug/L		109	74 - 141

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	107		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8	101		70 - 130
4-Bromofluorobenzene	94		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12A6946-MSD1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
	Result			Result							
Acetone	<250		2500	2880		ug/L		115	45 - 141	5	21
Benzene	<5.00		500	527		ug/L		105	75 - 133	5	17
Bromochloromethane	<5.00		500	560		ug/L		112	67 - 139	5	17
Bromodichloromethane	<5.00		500	495		ug/L		99	70 - 140	5	18
Bromoform	<5.00		500	409		ug/L		82	42 - 147	4	16
Bromomethane	<5.00		500	455		ug/L		91	16 - 163	5	50
2-Butanone	<250		2500	2620		ug/L		105	50 - 138	2	19
Carbon disulfide	<5.00		500	484		ug/L		97	48 - 152	9	21
Carbon Tetrachloride	<5.00		500	599		ug/L		120	62 - 164	9	19
Chlorobenzene	<5.00		500	476		ug/L		95	80 - 129	9	14
Chlorodibromomethane	<5.00		500	503		ug/L		101	66 - 140	4	15
Chloroethane	<5.00		500	513		ug/L		103	58 - 137	5	20
Chloroform	<5.00		500	559		ug/L		112	66 - 138	5	18
Chloromethane	<5.00		500	366		ug/L		73	10 - 169	3	31
Cyclohexane	<25.0		500	479	R2	ug/L		96	58 - 144	23	16
1,2-Dibromo-3-chloropropane	<50.0		500	351		ug/L		70	52 - 126	1	24
1,2-Dibromoethane (EDB)	<5.00		500	490		ug/L		98	75 - 137	4	15
Methylcyclohexane	<25.0		500	372	R2	ug/L		74	59 - 151	46	19
1,2-Dichlorobenzene	<5.00		500	428	R2	ug/L		86	79 - 128	18	15
1,3-Dichlorobenzene	<5.00		500	411	R2	ug/L		82	77 - 131	22	15
1,4-Dichlorobenzene	<5.00		500	425	R2	ug/L		85	78 - 126	20	15
Dichlorodifluoromethane	<6.00		500	478		ug/L		96	40 - 127	3	18
1,2-Dichloroethane	<5.00		500	556		ug/L		111	64 - 136	4	17
1,1-Dichloroethane	<5.00		500	574		ug/L		115	71 - 139	5	17
1,1-Dichloroethene	<5.00		500	569		ug/L		114	70 - 142	6	17
trans-1,2-Dichloroethene	<5.00		500	556		ug/L		111	66 - 143	7	16
1,1,2-Trifluorotrchloroethane	<5.00		500	564		ug/L		113	72 - 148	11	18
cis-1,2-Dichloroethene	14.0		500	563		ug/L		110	68 - 138	6	17
1,2-Dichloropropane	<5.00		500	500		ug/L		100	67 - 131	6	17
trans-1,3-Dichloropropene	<5.00		500	468		ug/L		94	59 - 135	6	14
cis-1,3-Dichloropropene	<5.00		500	502		ug/L		100	71 - 141	5	15
Ethylbenzene	<5.00		500	475		ug/L		95	79 - 139	13	15
2-Hexanone	<50.0		2500	2610		ug/L		104	50 - 150	2	15
Isopropylbenzene	<5.00		500	454	R2	ug/L		91	80 - 153	21	16
Methyl Acetate	<50.0		500	396		ug/L		79	30 - 165	8	31
Methyl tert-Butyl Ether	<5.00		500	514		ug/L		103	66 - 141	3	16
Methylene Chloride	<25.0		500	555		ug/L		111	64 - 139	2	17
4-Methyl-2-pentanone	<50.0		2500	2600		ug/L		104	50 - 147	0.6	17
Styrene	<5.00		500	461		ug/L		92	61 - 148	12	24
1,1,2,2-Tetrachloroethane	<5.00		500	434		ug/L		87	56 - 143	3	20
Tetrachloroethene	<5.00		500	512		ug/L		102	72 - 145	15	16
Toluene	<5.00		500	502		ug/L		100	75 - 136	8	15
1,2,4-Trichlorobenzene	<5.00		500	274	R2	ug/L		55	60 - 136	45	19
1,2,3-Trichlorobenzene	<5.00		500	292	R2	ug/L		58	55 - 138	37	25
1,1,1-Trichloroethane	<5.00		500	588		ug/L		118	76 - 149	6	17
1,1,2-Trichloroethane	<5.00		500	505		ug/L		101	74 - 134	2	15
Trichloroethene	6.60		500	536		ug/L		106	73 - 144	7	17
Trichlorofluoromethane	<5.00		500	550		ug/L		110	58 - 139	3	18
Vinyl chloride	<5.00		500	469		ug/L		94	56 - 129	4	17

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12A6946-MSD1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	<15.0		1500	1430		ug/L		95	74 - 141	13	15

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
1,2-Dichloroethane-d4	106		70 - 130
Dibromofluoromethane	111		70 - 130
Toluene-d8	100		70 - 130
4-Bromofluorobenzene	95		70 - 130

**Lab Sample ID: 12B1695-BLK1**

**Matrix: Soil**

**Analysis Batch: V002049**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B1695\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,1,2-Trifluoroethane	<0.00110		0.00200	0.00110	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B1695-BLK1**

**Matrix: Soil**

**Analysis Batch: V002049**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B1695\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,2,3-Trichlorobenzene	0.00110	J	0.00200	0.00110	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		02/03/12 10:00	02/03/12 12:02	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	80		70 - 130	02/03/12 10:00	02/03/12 12:02	1.00
Dibromofluoromethane	94		70 - 130	02/03/12 10:00	02/03/12 12:02	1.00
Toluene-d8	103		70 - 130	02/03/12 10:00	02/03/12 12:02	1.00
4-Bromofluorobenzene	93		70 - 130	02/03/12 10:00	02/03/12 12:02	1.00

**Lab Sample ID: 12B1695-BLK2**

**Matrix: Soil**

**Analysis Batch: V002049**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B1695\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B1695-BLK2**

**Matrix: Soil**

**Analysis Batch: V002049**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B1695\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,1,2-Trifluorotrchloroethane	<0.0550		0.100	0.0550	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Methyl Acetate	<0.250		0.500	0.250	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		02/03/12 10:00	02/03/12 12:32	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	82		70 - 130	02/03/12 10:00	02/03/12 12:32	50.0
Dibromofluoromethane	95		70 - 130	02/03/12 10:00	02/03/12 12:32	50.0
Toluene-d8	102		70 - 130	02/03/12 10:00	02/03/12 12:32	50.0
4-Bromofluorobenzene	94		70 - 130	02/03/12 10:00	02/03/12 12:32	50.0

**Lab Sample ID: 12B1695-BS1**

**Matrix: Soil**

**Analysis Batch: V002049**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12B1695\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	188		ug/kg		75	51 - 149
Benzene	50.0	53.1		ug/kg		106	75 - 127
Bromochloromethane	50.0	48.6		ug/kg		97	70 - 132
Bromodichloromethane	50.0	46.4		ug/kg		93	68 - 135
Bromoform	50.0	41.0		ug/kg		82	36 - 150
Bromomethane	50.0	59.4		ug/kg		119	43 - 142
2-Butanone	250	197		ug/kg		79	61 - 132
Carbon disulfide	50.0	51.8		ug/kg		104	74 - 135
Carbon Tetrachloride	50.0	58.4		ug/kg		117	70 - 141
Chlorobenzene	50.0	54.9		ug/kg		110	84 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B1695-BS1**

**Matrix: Soil**

**Analysis Batch: V002049**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12B1695\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Chlorodibromomethane	50.0	50.5		ug/kg		101	66 - 134
Chloroethane	50.0	52.6		ug/kg		105	53 - 144
Chloroform	50.0	50.9		ug/kg		102	76 - 130
Chloromethane	50.0	42.9		ug/kg		86	23 - 150
Cyclohexane	50.0	53.5		ug/kg		107	70 - 133
1,2-Dibromo-3-chloropropane	50.0	38.5		ug/kg		77	49 - 142
1,2-Dibromoethane (EDB)	50.0	45.1		ug/kg		90	80 - 135
Methylcyclohexane	50.0	60.2		ug/kg		120	69 - 140
1,2-Dichlorobenzene	50.0	52.8		ug/kg		106	80 - 134
1,3-Dichlorobenzene	50.0	56.8		ug/kg		114	79 - 137
1,4-Dichlorobenzene	50.0	56.7		ug/kg		113	77 - 139
Dichlorodifluoromethane	50.0	47.7		ug/kg		95	12 - 144
1,2-Dichloroethane	50.0	42.2		ug/kg		84	65 - 134
1,1-Dichloroethane	50.0	49.4		ug/kg		99	75 - 124
1,1-Dichloroethene	50.0	54.9		ug/kg		110	75 - 131
trans-1,2-Dichloroethene	50.0	51.5		ug/kg		103	76 - 128
1,1,2-Trifluorotrchloroethane	50.0	59.5		ug/kg		119	67 - 136
cis-1,2-Dichloroethene	50.0	49.8		ug/kg		100	75 - 125
1,2-Dichloropropane	50.0	44.8		ug/kg		90	69 - 120
trans-1,3-Dichloropropene	50.0	44.4		ug/kg		89	62 - 139
cis-1,3-Dichloropropene	50.0	49.8		ug/kg		100	73 - 148
Ethylbenzene	50.0	56.9		ug/kg		114	80 - 134
2-Hexanone	250	204		ug/kg		81	57 - 148
Isopropylbenzene	50.0	63.2		ug/kg		126	80 - 150
Methyl Acetate	50.0	40.1		ug/kg		80	11 - 170
Methyl tert-Butyl Ether	50.0	45.6		ug/kg		91	70 - 136
Methylene Chloride	50.0	49.4		ug/kg		99	68 - 144
4-Methyl-2-pentanone	250	201		ug/kg		81	59 - 138
Styrene	50.0	58.4		ug/kg		117	82 - 137
1,1,2,2-Tetrachloroethane	50.0	40.1		ug/kg		80	66 - 134
Tetrachloroethene	50.0	64.9		ug/kg		130	78 - 140
Toluene	50.0	55.8		ug/kg		112	80 - 132
1,2,4-Trichlorobenzene	50.0	67.0		ug/kg		134	62 - 150
1,2,3-Trichlorobenzene	50.0	61.4	B	ug/kg		123	70 - 150
1,1,1-Trichloroethane	50.0	53.8		ug/kg		108	72 - 140
1,1,2-Trichloroethane	50.0	46.3		ug/kg		93	78 - 128
Trichloroethene	50.0	57.1		ug/kg		114	77 - 127
Trichlorofluoromethane	50.0	49.9		ug/kg		100	50 - 140
Vinyl chloride	50.0	51.3		ug/kg		103	47 - 136
Xylenes, total	150	170		ug/kg		113	80 - 137

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	82		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8	102		70 - 130
4-Bromofluorobenzene	90		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B1695-MS1**

**Matrix: Soil**

**Analysis Batch: V002049**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12B1695\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike	Matrix Spike Qualifier	Unit	D	%Rec	Limits
	Result			Result					
Acetone	<1.08		10.8	9.02		mg/kg wet		83	19 - 175
Benzene	<0.0477		2.17	2.25		mg/kg wet		104	31 - 143
Bromochloromethane	<0.0520		2.17	1.94		mg/kg wet		90	31 - 141
Bromodichloromethane	<0.0433		2.17	1.93		mg/kg wet		89	19 - 148
Bromoform	<0.0433		2.17	1.41		mg/kg wet		65	10 - 165
Bromomethane	<0.0520		2.17	1.18		mg/kg wet		54	10 - 164
2-Butanone	<1.08		10.8	7.22		mg/kg wet		67	18 - 153
Carbon disulfide	<0.156		2.17	2.15		mg/kg wet		99	32 - 144
Carbon Tetrachloride	<0.0433		2.17	2.37		mg/kg wet		109	31 - 149
Chlorobenzene	<0.0477		2.17	2.22		mg/kg wet		103	25 - 152
Chlorodibromomethane	<0.0433		2.17	1.87		mg/kg wet		86	14 - 146
Chloroethane	<0.108		2.17	1.19		mg/kg wet		55	10 - 151
Chloroform	<0.0563		2.17	2.14		mg/kg wet		99	34 - 160
Chloromethane	<0.0477		2.17	1.91		mg/kg wet		88	10 - 156
Cyclohexane	0.391		2.17	2.76		mg/kg wet		109	32 - 158
1,2-Dibromo-3-chloropropane	<0.108		2.17	1.24		mg/kg wet		57	10 - 147
1,2-Dibromoethane (EDB)	<0.0433		2.17	1.71		mg/kg wet		79	18 - 156
Methylcyclohexane	0.238		2.17	2.91		mg/kg wet		123	29 - 167
1,2-Dichlorobenzene	<0.0433		2.17	2.07		mg/kg wet		96	10 - 160
1,3-Dichlorobenzene	<0.0520		2.17	2.19		mg/kg wet		101	10 - 162
1,4-Dichlorobenzene	<0.0477		2.17	2.17		mg/kg wet		100	11 - 159
Dichlorodifluoromethane	<0.0607		2.17	1.95		mg/kg wet		90	10 - 143
1,2-Dichloroethane	0.0559		2.17	1.69		mg/kg wet		75	28 - 138
1,1-Dichloroethane	<0.0563		2.17	2.13		mg/kg wet		98	42 - 136
1,1-Dichloroethene	<0.0520		2.17	2.32		mg/kg wet		107	41 - 143
trans-1,2-Dichloroethene	<0.0563		2.17	2.21		mg/kg wet		102	39 - 140
1,1,2-Trifluorotrchloroethane	<0.0477		2.17	2.46		mg/kg wet		114	42 - 147
cis-1,2-Dichloroethene	<0.0477		2.17	2.11		mg/kg wet		97	36 - 139
1,2-Dichloropropane	<0.0433		2.17	1.99		mg/kg wet		92	20 - 146
trans-1,3-Dichloropropene	<0.0433		2.17	1.84		mg/kg wet		85	10 - 157
cis-1,3-Dichloropropene	<0.0433		2.17	2.12		mg/kg wet		98	15 - 166
Ethylbenzene	0.521		2.17	2.87		mg/kg wet		108	23 - 161
2-Hexanone	<1.08		10.8	7.70		mg/kg wet		71	10 - 169
Isopropylbenzene	0.228		2.17	2.88		mg/kg wet		122	23 - 181
Methyl Acetate	<0.217		2.17	1.71		mg/kg wet		79	10 - 200
Methyl tert-Butyl Ether	<0.0433		2.17	1.84		mg/kg wet		85	28 - 141
Methylene Chloride	<0.217		2.17	2.02		mg/kg wet		93	24 - 182
4-Methyl-2-pentanone	<1.08		10.8	7.82		mg/kg wet		72	10 - 168
Styrene	<0.0477		2.17	2.41		mg/kg wet		111	10 - 165
1,1,2,2-Tetrachloroethane	0.0793		2.17	1.52		mg/kg wet		67	10 - 162
Tetrachloroethene	<0.0563		2.17	2.60		mg/kg wet		120	33 - 161
Toluene	0.0737		2.17	2.40		mg/kg wet		108	30 - 155
1,2,4-Trichlorobenzene	<0.0520		2.17	2.38		mg/kg wet		110	10 - 167
1,2,3-Trichlorobenzene	<0.0477		2.17	2.22	B	mg/kg wet		102	10 - 157
1,1,1-Trichloroethane	<0.0433		2.17	2.30		mg/kg wet		106	35 - 149
1,1,2-Trichloroethane	0.127		2.17	1.86		mg/kg wet		80	19 - 157
Trichloroethene	<0.0433		2.17	2.37		mg/kg wet		109	27 - 153
Trichlorofluoromethane	<0.0433		2.17	2.07		mg/kg wet		95	25 - 137
Vinyl chloride	<0.0433		2.17	2.20		mg/kg wet		102	20 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B1695-MS1**

**Matrix: Soil**

**Analysis Batch: V002049**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12B1695\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Xylenes, total	0.116		6.50	7.12		mg/kg wet		108		25 - 162
<b>Surrogate</b>	<b>Matrix Spike</b>	<b>Matrix Spike</b>	<b>Limits</b>							
	<b>%Recovery</b>	<b>Qualifier</b>								
1,2-Dichloroethane-d4	76		70 - 130							
Dibromofluoromethane	92		70 - 130							
Toluene-d8	103		70 - 130							
4-Bromofluorobenzene	98		70 - 130							

**Lab Sample ID: 12B1695-MSD1**

**Matrix: Soil**

**Analysis Batch: V002049**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12B1695\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	<1.08		10.8	10.1		mg/kg wet		94		19 - 175	12	50
Benzene	<0.0477		2.17	2.38		mg/kg wet		110		31 - 143	6	50
Bromochloromethane	<0.0520		2.17	2.05		mg/kg wet		94		31 - 141	5	50
Bromodichloromethane	<0.0433		2.17	2.02		mg/kg wet		93		19 - 148	5	50
Bromoform	<0.0433		2.17	1.47		mg/kg wet		68		10 - 165	4	50
Bromomethane	<0.0520		2.17	1.29		mg/kg wet		59		10 - 164	9	50
2-Butanone	<1.08		10.8	7.69		mg/kg wet		71		18 - 153	6	50
Carbon disulfide	<0.156		2.17	2.26		mg/kg wet		104		32 - 144	5	50
Carbon Tetrachloride	<0.0433		2.17	2.50		mg/kg wet		115		31 - 149	5	50
Chlorobenzene	<0.0477		2.17	2.36		mg/kg wet		109		25 - 152	6	50
Chlorodibromomethane	<0.0433		2.17	1.99		mg/kg wet		92		14 - 146	6	50
Chloroethane	<0.108		2.17	1.21		mg/kg wet		56		10 - 151	1	50
Chloroform	<0.0563		2.17	2.24		mg/kg wet		104		34 - 160	5	49
Chloromethane	<0.0477		2.17	2.07		mg/kg wet		96		10 - 156	8	50
Cyclohexane	0.391		2.17	2.90		mg/kg wet		116		32 - 158	5	50
1,2-Dibromo-3-chloropropane	<0.108		2.17	1.32		mg/kg wet		61		10 - 147	6	50
1,2-Dibromoethane (EDB)	<0.0433		2.17	1.79		mg/kg wet		82		18 - 156	4	50
Methylcyclohexane	0.238		2.17	3.03		mg/kg wet		129		29 - 167	4	50
1,2-Dichlorobenzene	<0.0433		2.17	2.16		mg/kg wet		100		10 - 160	4	50
1,3-Dichlorobenzene	<0.0520		2.17	2.30		mg/kg wet		106		10 - 162	5	50
1,4-Dichlorobenzene	<0.0477		2.17	2.26		mg/kg wet		104		11 - 159	4	50
Dichlorodifluoromethane	<0.0607		2.17	2.01		mg/kg wet		93		10 - 143	3	50
1,2-Dichloroethane	0.0559		2.17	1.78		mg/kg wet		80		28 - 138	6	50
1,1-Dichloroethane	<0.0563		2.17	2.26		mg/kg wet		104		42 - 136	6	50
1,1-Dichloroethene	<0.0520		2.17	2.40		mg/kg wet		111		41 - 143	4	50
trans-1,2-Dichloroethene	<0.0563		2.17	2.32		mg/kg wet		107		39 - 140	5	50
1,1,2-Trifluorotrchloroethane	<0.0477		2.17	2.61		mg/kg wet		121		42 - 147	6	50
cis-1,2-Dichloroethene	<0.0477		2.17	2.24		mg/kg wet		103		36 - 139	6	50
1,2-Dichloropropane	<0.0433		2.17	2.07		mg/kg wet		96		20 - 146	4	50
trans-1,3-Dichloropropene	<0.0433		2.17	1.96		mg/kg wet		90		10 - 157	6	50
cis-1,3-Dichloropropene	<0.0433		2.17	2.26		mg/kg wet		104		15 - 166	6	50
Ethylbenzene	0.521		2.17	2.97		mg/kg wet		113		23 - 161	3	50
2-Hexanone	<1.08		10.8	8.12		mg/kg wet		75		10 - 169	5	50
Isopropylbenzene	0.228		2.17	2.95		mg/kg wet		126		23 - 181	3	50
Methyl Acetate	<0.217		2.17	1.99		mg/kg wet		92		10 - 200	15	50
Methyl tert-Butyl Ether	<0.0433		2.17	1.94		mg/kg wet		90		28 - 141	5	50

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B1695-MSD1**

**Matrix: Soil**

**Analysis Batch: V002049**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12B1695\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Methylene Chloride	<0.217		2.17	2.14		mg/kg wet		99	24 - 182	6	50
4-Methyl-2-pentanone	<1.08		10.8	8.22		mg/kg wet		76	10 - 168	5	50
Styrene	<0.0477		2.17	2.52		mg/kg wet		117	10 - 165	5	50
1,1,2,2-Tetrachloroethane	0.0793		2.17	1.50		mg/kg wet		66	10 - 162	1	50
Tetrachloroethene	<0.0563		2.17	2.73		mg/kg wet		126	33 - 161	5	50
Toluene	0.0737		2.17	2.55		mg/kg wet		114	30 - 155	6	50
1,2,4-Trichlorobenzene	<0.0520		2.17	2.62		mg/kg wet		121	10 - 167	9	50
1,2,3-Trichlorobenzene	<0.0477		2.17	2.46	B	mg/kg wet		113	10 - 157	10	50
1,1,1-Trichloroethane	<0.0433		2.17	2.41		mg/kg wet		111	35 - 149	5	50
1,1,2-Trichloroethane	0.127		2.17	1.97		mg/kg wet		85	19 - 157	6	50
Trichloroethene	<0.0433		2.17	2.46		mg/kg wet		114	27 - 153	4	50
Trichlorofluoromethane	<0.0433		2.17	2.16		mg/kg wet		100	25 - 137	5	50
Vinyl chloride	<0.0433		2.17	2.28		mg/kg wet		105	20 - 141	4	50
Xylenes, total	0.116		6.50	7.42		mg/kg wet		112	25 - 162	4	50

**Matrix Spike Dup    Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	75		70 - 130
Dibromofluoromethane	92		70 - 130
Toluene-d8	105		70 - 130
4-Bromofluorobenzene	101		70 - 130

**Lab Sample ID: 12B1967-BLK1**

**Matrix: Soil**

**Analysis Batch: V002137**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B1967\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B1967-BLK1**

**Matrix: Soil**

**Analysis Batch: V002137**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B1967\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,1,2-Trifluorotrchloroethane	<0.00110		0.00200	0.00110	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		02/06/12 10:21	02/06/12 12:21	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	79		70 - 130	02/06/12 10:21	02/06/12 12:21	1.00
Dibromofluoromethane	93		70 - 130	02/06/12 10:21	02/06/12 12:21	1.00
Toluene-d8	102		70 - 130	02/06/12 10:21	02/06/12 12:21	1.00
4-Bromofluorobenzene	93		70 - 130	02/06/12 10:21	02/06/12 12:21	1.00

**Lab Sample ID: 12B1967-BLK2**

**Matrix: Soil**

**Analysis Batch: V002137**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B1967\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B1967-BLK2**

**Matrix: Soil**

**Analysis Batch: V002137**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B1967\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,1,2-Trifluoroethane	<0.0550		0.100	0.0550	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Methyl Acetate	<0.250		0.500	0.250	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		02/06/12 10:21	02/06/12 12:51	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	80		70 - 130	02/06/12 10:21	02/06/12 12:51	50.0
Dibromofluoromethane	93		70 - 130	02/06/12 10:21	02/06/12 12:51	50.0
Toluene-d8	102		70 - 130	02/06/12 10:21	02/06/12 12:51	50.0
4-Bromofluorobenzene	93		70 - 130	02/06/12 10:21	02/06/12 12:51	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B1967-BS1**

**Matrix: Soil**

**Analysis Batch: V002137**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12B1967\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	250	169		ug/kg		68	51 - 149
Benzene	50.0	47.6		ug/kg		95	75 - 127
Bromochloromethane	50.0	46.5		ug/kg		93	70 - 132
Bromodichloromethane	50.0	43.0		ug/kg		86	68 - 135
Bromoform	50.0	38.5		ug/kg		77	36 - 150
Bromomethane	50.0	50.1		ug/kg		100	43 - 142
2-Butanone	250	177		ug/kg		71	61 - 132
Carbon disulfide	50.0	44.4		ug/kg		89	74 - 135
Carbon Tetrachloride	50.0	50.1		ug/kg		100	70 - 141
Chlorobenzene	50.0	48.3		ug/kg		97	84 - 125
Chlorodibromomethane	50.0	48.0		ug/kg		96	66 - 134
Chloroethane	50.0	47.1		ug/kg		94	53 - 144
Chloroform	50.0	45.9		ug/kg		92	76 - 130
Chloromethane	50.0	38.3		ug/kg		77	23 - 150
Cyclohexane	50.0	46.0		ug/kg		92	70 - 133
1,2-Dibromo-3-chloropropane	50.0	35.3		ug/kg		71	49 - 142
1,2-Dibromoethane (EDB)	50.0	42.5		ug/kg		85	80 - 135
Methylcyclohexane	50.0	49.8		ug/kg		100	69 - 140
1,2-Dichlorobenzene	50.0	46.2		ug/kg		92	80 - 134
1,3-Dichlorobenzene	50.0	47.0		ug/kg		94	79 - 137
1,4-Dichlorobenzene	50.0	47.3		ug/kg		95	77 - 139
Dichlorodifluoromethane	50.0	37.5		ug/kg		75	12 - 144
1,2-Dichloroethane	50.0	39.9		ug/kg		80	65 - 134
1,1-Dichloroethane	50.0	44.4		ug/kg		89	75 - 124
1,1-Dichloroethene	50.0	47.1		ug/kg		94	75 - 131
trans-1,2-Dichloroethene	50.0	45.2		ug/kg		90	76 - 128
1,1,2-Trifluorotrchloroethane	50.0	47.2		ug/kg		94	67 - 136
cis-1,2-Dichloroethene	50.0	45.1		ug/kg		90	75 - 125
1,2-Dichloropropane	50.0	41.7		ug/kg		83	69 - 120
trans-1,3-Dichloropropene	50.0	42.6		ug/kg		85	62 - 139
cis-1,3-Dichloropropene	50.0	46.8		ug/kg		94	73 - 148
Ethylbenzene	50.0	48.6		ug/kg		97	80 - 134
2-Hexanone	250	188		ug/kg		75	57 - 148
Isopropylbenzene	50.0	52.9		ug/kg		106	80 - 150
Methyl Acetate	50.0	28.8		ug/kg		58	11 - 170
Methyl tert-Butyl Ether	50.0	44.6		ug/kg		89	70 - 136
Methylene Chloride	50.0	45.5		ug/kg		91	68 - 144
4-Methyl-2-pentanone	250	187		ug/kg		75	59 - 138
Styrene	50.0	51.2		ug/kg		102	82 - 137
1,1,2,2-Tetrachloroethane	50.0	37.6		ug/kg		75	66 - 134
Tetrachloroethene	50.0	52.5		ug/kg		105	78 - 140
Toluene	50.0	49.0		ug/kg		98	80 - 132
1,2,4-Trichlorobenzene	50.0	53.4		ug/kg		107	62 - 150
1,2,3-Trichlorobenzene	50.0	52.8		ug/kg		106	70 - 150
1,1,1-Trichloroethane	50.0	47.6		ug/kg		95	72 - 140
1,1,2-Trichloroethane	50.0	43.9		ug/kg		88	78 - 128
Trichloroethene	50.0	49.1		ug/kg		98	77 - 127
Trichlorofluoromethane	50.0	42.7		ug/kg		85	50 - 140
Vinyl chloride	50.0	45.7		ug/kg		91	47 - 136



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B1967-BS1**

**Matrix: Soil**

**Analysis Batch: V002137**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12B1967\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, total	150	144		ug/kg		96	80 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	84		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	92		70 - 130

**Lab Sample ID: 12B1967-MS1**

**Matrix: Soil**

**Analysis Batch: V002137**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12B1967\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<1.02		10.2	6.87		mg/kg wet		67	19 - 175
Benzene	<0.0449		2.04	2.15		mg/kg wet		105	31 - 143
Bromochloromethane	<0.0490		2.04	1.81		mg/kg wet		89	31 - 141
Bromodichloromethane	<0.0408		2.04	1.70		mg/kg wet		83	19 - 148
Bromoform	<0.0408		2.04	1.21		mg/kg wet		59	10 - 165
Bromomethane	<0.0490		2.04	1.35		mg/kg wet		66	10 - 164
2-Butanone	<1.02		10.2	6.06		mg/kg wet		59	18 - 153
Carbon disulfide	<0.147		2.04	2.02		mg/kg wet		99	32 - 144
Carbon Tetrachloride	<0.0408		2.04	2.33		mg/kg wet		114	31 - 149
Chlorobenzene	<0.0449		2.04	2.10		mg/kg wet		103	25 - 152
Chlorodibromomethane	0.164		2.04	1.69		mg/kg wet		75	14 - 146
Chloroethane	<0.102		2.04	1.44		mg/kg wet		71	10 - 151
Chloroform	<0.0531		2.04	2.04		mg/kg wet		100	34 - 160
Chloromethane	<0.0449		2.04	2.01		mg/kg wet		98	10 - 156
Cyclohexane	<0.204		2.04	2.25		mg/kg wet		110	32 - 158
1,2-Dibromo-3-chloropropane	<0.102		2.04	1.09		mg/kg wet		54	10 - 147
1,2-Dibromoethane (EDB)	<0.0408		2.04	1.54		mg/kg wet		75	18 - 156
Methylcyclohexane	<0.204		2.04	2.51		mg/kg wet		123	29 - 167
1,2-Dichlorobenzene	<0.0408		2.04	1.93		mg/kg wet		95	10 - 160
1,3-Dichlorobenzene	<0.0490		2.04	2.10		mg/kg wet		103	10 - 162
1,4-Dichlorobenzene	<0.0449		2.04	2.08		mg/kg wet		102	11 - 159
Dichlorodifluoromethane	<0.0572		2.04	2.09		mg/kg wet		103	10 - 143
1,2-Dichloroethane	0.0531		2.04	1.63		mg/kg wet		77	28 - 138
1,1-Dichloroethane	<0.0531		2.04	2.04		mg/kg wet		100	42 - 136
1,1-Dichloroethene	<0.0490		2.04	2.25		mg/kg wet		110	41 - 143
trans-1,2-Dichloroethene	<0.0531		2.04	2.17		mg/kg wet		106	39 - 140
1,1,2-Trifluorotrchloroethane	<0.0449		2.04	2.48		mg/kg wet		121	42 - 147
cis-1,2-Dichloroethene	0.0511		2.04	2.11		mg/kg wet		101	36 - 139
1,2-Dichloropropane	<0.0408		2.04	1.81		mg/kg wet		88	20 - 146
trans-1,3-Dichloropropene	<0.0408		2.04	1.60		mg/kg wet		78	10 - 157
cis-1,3-Dichloropropene	<0.0408		2.04	1.87		mg/kg wet		92	15 - 166
Ethylbenzene	<0.0449		2.04	2.35		mg/kg wet		115	23 - 161
2-Hexanone	<1.02		10.2	6.09		mg/kg wet		60	10 - 169
Isopropylbenzene	0.348		2.04	2.96		mg/kg wet		128	23 - 181
Methyl Acetate	<0.204		2.04	1.57		mg/kg wet		77	10 - 200
Methyl tert-Butyl Ether	<0.0408		2.04	1.62		mg/kg wet		79	28 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B1967-MS1**

**Matrix: Soil**

**Analysis Batch: V002137**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12B1967\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Methylene Chloride	<0.204		2.04	1.93		mg/kg wet		94	24 - 182	
4-Methyl-2-pentanone	<1.02		10.2	5.91		mg/kg wet		58	10 - 168	
Styrene	<0.0449		2.04	2.27		mg/kg wet		111	10 - 165	
1,1,2,2-Tetrachloroethane	7.00		2.04	7.67		mg/kg wet		32	10 - 162	
Tetrachloroethene	<0.0531		2.04	2.55		mg/kg wet		125	33 - 161	
Toluene	<0.0449		2.04	2.26		mg/kg wet		110	30 - 155	
1,2,4-Trichlorobenzene	<0.0490		2.04	2.27		mg/kg wet		111	10 - 167	
1,2,3-Trichlorobenzene	<0.0449		2.04	2.03		mg/kg wet		99	10 - 157	
1,1,1-Trichloroethane	<0.0408		2.04	2.21		mg/kg wet		108	35 - 149	
1,1,2-Trichloroethane	1.83		2.04	1.66	M2	mg/kg wet		-9	19 - 157	
Trichloroethene	<0.0408		2.04	2.24		mg/kg wet		110	27 - 153	
Trichlorofluoromethane	<0.0408		2.04	2.24		mg/kg wet		110	25 - 137	
Vinyl chloride	<0.0408		2.04	2.25		mg/kg wet		110	20 - 141	
Xylenes, total	<0.102		6.13	6.93		mg/kg wet		113	25 - 162	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
1,2-Dichloroethane-d4	77		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8	105		70 - 130
4-Bromofluorobenzene	83		70 - 130

**Lab Sample ID: 12B1967-MSD1**

**Matrix: Soil**

**Analysis Batch: V002137**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12B1967\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
Acetone	<1.02		10.2	10.7		mg/kg wet		105	19 - 175	44	50		
Benzene	<0.0449		2.04	2.26		mg/kg wet		111	31 - 143	5	50		
Bromochloromethane	<0.0490		2.04	1.99		mg/kg wet		98	31 - 141	10	50		
Bromodichloromethane	<0.0408		2.04	1.88		mg/kg wet		92	19 - 148	10	50		
Bromoform	<0.0408		2.04	1.39		mg/kg wet		68	10 - 165	14	50		
Bromomethane	<0.0490		2.04	1.33		mg/kg wet		65	10 - 164	0.8	50		
2-Butanone	<1.02		10.2	7.91		mg/kg wet		77	18 - 153	27	50		
Carbon disulfide	<0.147		2.04	2.11		mg/kg wet		103	32 - 144	4	50		
Carbon Tetrachloride	<0.0408		2.04	2.42		mg/kg wet		118	31 - 149	4	50		
Chlorobenzene	<0.0449		2.04	2.24		mg/kg wet		110	25 - 152	6	50		
Chlorodibromomethane	0.164		2.04	1.88		mg/kg wet		84	14 - 146	11	50		
Chloroethane	<0.102		2.04	1.15		mg/kg wet		56	10 - 151	23	50		
Chloroform	<0.0531		2.04	2.15		mg/kg wet		105	34 - 160	5	49		
Chloromethane	<0.0449		2.04	1.88		mg/kg wet		92	10 - 156	7	50		
Cyclohexane	<0.204		2.04	2.36		mg/kg wet		115	32 - 158	5	50		
1,2-Dibromo-3-chloropropane	<0.102		2.04	1.34		mg/kg wet		66	10 - 147	21	50		
1,2-Dibromoethane (EDB)	<0.0408		2.04	1.69		mg/kg wet		83	18 - 156	10	50		
Methylcyclohexane	<0.204		2.04	2.63		mg/kg wet		129	29 - 167	5	50		
1,2-Dichlorobenzene	<0.0408		2.04	2.05		mg/kg wet		100	10 - 160	6	50		
1,3-Dichlorobenzene	<0.0490		2.04	2.20		mg/kg wet		108	10 - 162	4	50		
1,4-Dichlorobenzene	<0.0449		2.04	2.21		mg/kg wet		108	11 - 159	6	50		
Dichlorodifluoromethane	<0.0572		2.04	2.14		mg/kg wet		105	10 - 143	2	50		
1,2-Dichloroethane	0.0531		2.04	1.76		mg/kg wet		84	28 - 138	8	50		

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B1967-MSD1**

**Matrix: Soil**

**Analysis Batch: V002137**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12B1967\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,1-Dichloroethane	<0.0531		2.04	2.14		mg/kg wet		105	42 - 136	4	50
1,1-Dichloroethene	<0.0490		2.04	2.33		mg/kg wet		114	41 - 143	4	50
trans-1,2-Dichloroethene	<0.0531		2.04	2.23		mg/kg wet		109	39 - 140	3	50
1,1,2-Trifluorotrchloroethane	<0.0449		2.04	2.54		mg/kg wet		124	42 - 147	3	50
cis-1,2-Dichloroethene	0.0511		2.04	2.19		mg/kg wet		105	36 - 139	4	50
1,2-Dichloropropane	<0.0408		2.04	1.91		mg/kg wet		94	20 - 146	6	50
trans-1,3-Dichloropropene	<0.0408		2.04	1.79		mg/kg wet		88	10 - 157	11	50
cis-1,3-Dichloropropene	<0.0408		2.04	2.06		mg/kg wet		101	15 - 166	10	50
Ethylbenzene	<0.0449		2.04	2.45		mg/kg wet		120	23 - 161	4	50
2-Hexanone	<1.02		10.2	7.68		mg/kg wet		75	10 - 169	23	50
Isopropylbenzene	0.348		2.04	3.04		mg/kg wet		132	23 - 181	3	50
Methyl Acetate	<0.204		2.04	2.11		mg/kg wet		103	10 - 200	30	50
Methyl tert-Butyl Ether	<0.0408		2.04	1.82		mg/kg wet		89	28 - 141	11	50
Methylene Chloride	<0.204		2.04	2.02		mg/kg wet		99	24 - 182	5	50
4-Methyl-2-pentanone	<1.02		10.2	7.05		mg/kg wet		69	10 - 168	18	50
Styrene	<0.0449		2.04	2.40		mg/kg wet		118	10 - 165	6	50
1,1,2,2-Tetrachloroethane	7.00		2.04	7.97		mg/kg wet		47	10 - 162	4	50
Tetrachloroethene	<0.0531		2.04	2.69		mg/kg wet		132	33 - 161	5	50
Toluene	<0.0449		2.04	2.39		mg/kg wet		117	30 - 155	6	50
1,2,4-Trichlorobenzene	<0.0490		2.04	2.42		mg/kg wet		119	10 - 167	6	50
1,2,3-Trichlorobenzene	<0.0449		2.04	2.18		mg/kg wet		107	10 - 157	7	50
1,1,1-Trichloroethane	<0.0408		2.04	2.29		mg/kg wet		112	35 - 149	4	50
1,1,2-Trichloroethane	1.83		2.04	1.85	M2	mg/kg wet		0.6	19 - 157	11	50
Trichloroethene	<0.0408		2.04	2.37		mg/kg wet		116	27 - 153	6	50
Trichlorofluoromethane	<0.0408		2.04	2.29		mg/kg wet		112	25 - 137	2	50
Vinyl chloride	<0.0408		2.04	2.29		mg/kg wet		112	20 - 141	2	50
Xylenes, total	<0.102		6.13	7.24		mg/kg wet		118	25 - 162	4	50

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	79		70 - 130
Dibromofluoromethane	94		70 - 130
Toluene-d8	105		70 - 130
4-Bromofluorobenzene	87		70 - 130

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

**Lab Sample ID: 12A7034-BLK1**

**Matrix: Water**

**Analysis Batch: 12A7034**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7034\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Anthracene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7034-BLK1**

**Matrix: Water**

**Analysis Batch: 12A7034**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7034\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Carbazole	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Chrysene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Fluorene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Isophorone	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		01/28/12 13:00	01/28/12 21:09	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7034-BLK1**

**Matrix: Water**

**Analysis Batch: 12A7034**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7034\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Phenol	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
Pyrene	<1.00		2.00	1.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		01/28/12 13:00	01/28/12 21:09	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		01/28/12 13:00	01/28/12 21:09	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	124	Z2	13 - 120	01/28/12 13:00	01/28/12 21:09	1.00
2,4,6-Tribromophenol	88		10 - 120	01/28/12 13:00	01/28/12 21:09	1.00
Phenol-d5	42		10 - 120	01/28/12 13:00	01/28/12 21:09	1.00
2-Fluorobiphenyl	82		29 - 120	01/28/12 13:00	01/28/12 21:09	1.00
2-Fluorophenol	64		10 - 120	01/28/12 13:00	01/28/12 21:09	1.00
Nitrobenzene-d5	78		27 - 120	01/28/12 13:00	01/28/12 21:09	1.00

**Lab Sample ID: 12A7034-BS1**

**Matrix: Water**

**Analysis Batch: 12A7034**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7034\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	44.8		ug/L		90	46 - 120
Acenaphthylene	50.0	40.2		ug/L		80	48 - 120
Anthracene	50.0	47.4		ug/L		95	58 - 130
Benzo (a) anthracene	50.0	49.4		ug/L		99	57 - 120
Benzo (a) pyrene	50.0	50.1		ug/L		100	57 - 124
Benzo (b) fluoranthene	50.0	55.1		ug/L		110	51 - 125
Benzo (g,h,i) perylene	50.0	50.0		ug/L		100	51 - 123
Benzo (k) fluoranthene	50.0	39.8		ug/L		80	51 - 120
4-Bromophenyl phenyl ether	50.0	52.0		ug/L		104	47 - 127
Butyl benzyi phthalate	50.0	52.6		ug/L		105	51 - 146
Carbazole	50.0	47.7		ug/L		95	54 - 123
4-Chloro-3-methylphenol	50.0	46.1		ug/L		92	44 - 120
4-Chloroaniline	50.0	42.5		ug/L		85	44 - 120
Bis(2-chloroethoxy)methane	50.0	46.8		ug/L		94	44 - 120
Bis(2-chloroethyl)ether	50.0	42.6		ug/L		85	47 - 120
Bis(2-chloroisopropyl)ether	50.0	43.6		ug/L		87	44 - 120
2-Chloronaphthalene	50.0	36.6		ug/L		73	39 - 120
2-Chlorophenol	50.0	43.1		ug/L		86	40 - 120
4-Chlorophenyl phenyl ether	50.0	48.4		ug/L		97	50 - 120
Chrysene	50.0	47.3		ug/L		95	55 - 120
Dibenz (a,h) anthracene	50.0	49.2		ug/L		98	50 - 125
Dibenzofuran	50.0	47.5		ug/L		95	50 - 120
Di-n-butyl phthalate	50.0	49.6		ug/L		99	54 - 140
1,4-Dichlorobenzene	50.0	29.9		ug/L		60	31 - 120
1,2-Dichlorobenzene	50.0	30.4		ug/L		61	32 - 120
1,3-Dichlorobenzene	50.0	29.7		ug/L		59	32 - 120
3,3-Dichlorobenzidine	50.0	45.4		ug/L		91	46 - 129
2,4-Dichlorophenol	50.0	48.2		ug/L		96	38 - 120
Diethyl phthalate	50.0	47.0		ug/L		94	54 - 128

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7034-BS1**

**Matrix: Water**

**Analysis Batch: 12A7034**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7034\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	50.0	48.6		ug/L		97	21 - 126
Dimethyl phthalate	50.0	45.4		ug/L		91	53 - 127
4,6-Dinitro-2-methylphenol	50.0	52.0		ug/L		104	19 - 150
2,4-Dinitrophenol	50.0	56.5		ug/L		113	20 - 150
2,6-Dinitrotoluene	50.0	40.6		ug/L		81	54 - 128
2,4-Dinitrotoluene	50.0	41.3		ug/L		83	46 - 132
Di-n-octyl phthalate	50.0	54.4		ug/L		109	50 - 142
Bis(2-ethylhexyl)phthalate	50.0	55.8		ug/L		112	47 - 138
Fluoranthene	50.0	47.6		ug/L		95	56 - 120
Fluorene	50.0	47.9		ug/L		96	52 - 120
Hexachlorobenzene	50.0	50.5		ug/L		101	48 - 131
Hexachlorobutadiene	50.0	41.3		ug/L		83	28 - 120
Hexachlorocyclopentadiene	50.0	23.7		ug/L		47	17 - 120
Hexachloroethane	50.0	33.8		ug/L		68	30 - 120
Indeno (1,2,3-cd) pyrene	50.0	50.3		ug/L		101	54 - 125
Isophorone	50.0	37.0		ug/L		74	47 - 120
2-Methylnaphthalene	50.0	41.6		ug/L		83	31 - 120
2-Methylphenol	50.0	32.4		ug/L		65	38 - 120
Naphthalene	50.0	44.6		ug/L		89	37 - 120
3/4-Methylphenol	50.0	28.7		ug/L		57	33 - 120
3-Nitroaniline	50.0	43.1		ug/L		86	54 - 121
2-Nitroaniline	50.0	49.6		ug/L		99	46 - 131
4-Nitroaniline	50.0	44.3		ug/L		89	55 - 123
Nitrobenzene	50.0	34.0		ug/L		68	36 - 120
4-Nitrophenol	50.0	19.2	J	ug/L		38	10 - 120
2-Nitrophenol	50.0	47.2		ug/L		94	32 - 120
N-Nitrosodiphenylamine	50.0	59.1		ug/L		118	58 - 149
N-Nitrosodi-n-propylamine	50.0	42.9		ug/L		86	51 - 120
Pentachlorophenol	50.0	60.2		ug/L		120	21 - 150
Phenanthrene	50.0	47.8		ug/L		96	56 - 120
Phenol	50.0	20.5		ug/L		41	14 - 120
Pyrene	50.0	48.2		ug/L		96	53 - 129
1,2,4-Trichlorobenzene	50.0	32.0		ug/L		64	30 - 120
2,4,6-Trichlorophenol	50.0	53.3		ug/L		107	39 - 135
2,4,5-Trichlorophenol	50.0	40.4		ug/L		81	40 - 129

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	100		13 - 120
2,4,6-Tribromophenol	81		10 - 120
Phenol-d5	31		10 - 120
2-Fluorobiphenyl	74		29 - 120
2-Fluorophenol	51		10 - 120
Nitrobenzene-d5	71		27 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7097-BLK1**

**Matrix: Soil**

**Analysis Batch: 12A7097**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7097\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7097-BLK1**

**Matrix: Soil**

**Analysis Batch: 12A7097**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7097\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		02/01/12 10:30	02/01/12 16:39	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	85		18 - 120	02/01/12 10:30	02/01/12 16:39	1.00
2,4,6-Tribromophenol	67		19 - 120	02/01/12 10:30	02/01/12 16:39	1.00
Phenol-d5	64		18 - 120	02/01/12 10:30	02/01/12 16:39	1.00
2-Fluorobiphenyl	65		14 - 120	02/01/12 10:30	02/01/12 16:39	1.00
2-Fluorophenol	63		17 - 120	02/01/12 10:30	02/01/12 16:39	1.00
Nitrobenzene-d5	57		17 - 120	02/01/12 10:30	02/01/12 16:39	1.00

**Lab Sample ID: 12A7097-BS1**

**Matrix: Soil**

**Analysis Batch: 12A7097**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7097\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	1.67	1.15		mg/kg wet		69	36 - 120
Acenaphthylene	1.67	1.02		mg/kg wet		61	38 - 120
Anthracene	1.67	1.18		mg/kg wet		71	46 - 124
Benzo (a) anthracene	1.67	1.22		mg/kg wet		73	45 - 120
Benzo (a) pyrene	1.67	1.29		mg/kg wet		77	45 - 120
Benzo (b) fluoranthene	1.67	1.30		mg/kg wet		78	42 - 120
Benzo (g,h,i) perylene	1.67	1.26		mg/kg wet		76	38 - 120
Benzo (k) fluoranthene	1.67	1.12		mg/kg wet		67	42 - 120
4-Bromophenyl phenyl ether	1.67	1.22		mg/kg wet		73	40 - 120
Butyl benzyl phthalate	1.67	1.25		mg/kg wet		75	43 - 133
Carbazole	1.67	1.21		mg/kg wet		73	44 - 120
4-Chloro-3-methylphenol	1.67	1.20		mg/kg wet		72	38 - 120
4-Chloroaniline	1.67	1.24		mg/kg wet		74	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.12		mg/kg wet		67	32 - 120
Bis(2-chloroethyl)ether	1.67	1.12		mg/kg wet		67	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.07		mg/kg wet		64	32 - 120
2-Chloronaphthalene	1.67	0.938		mg/kg wet		56	34 - 120
2-Chlorophenol	1.67	1.07		mg/kg wet		64	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.19		mg/kg wet		71	42 - 120
Chrysene	1.67	1.23		mg/kg wet		74	43 - 120



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7097-BS1**

**Matrix: Soil**

**Analysis Batch: 12A7097**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7097\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz (a,h) anthracene	1.67	1.21		mg/kg wet		72	32 - 128
Dibenzofuran	1.67	1.22		mg/kg wet		73	41 - 120
Di-n-butyl phthalate	1.67	1.17		mg/kg wet		70	46 - 127
1,4-Dichlorobenzene	1.67	0.886		mg/kg wet		53	32 - 120
1,2-Dichlorobenzene	1.67	0.903		mg/kg wet		54	33 - 120
1,3-Dichlorobenzene	1.67	0.874		mg/kg wet		52	32 - 120
3,3-Dichlorobenzidine	1.67	1.20		mg/kg wet		72	39 - 120
2,4-Dichlorophenol	1.67	1.18		mg/kg wet		71	32 - 120
Diethyl phthalate	1.67	1.17		mg/kg wet		70	41 - 122
2,4-Dimethylphenol	1.67	1.25		mg/kg wet		75	32 - 120
Dimethyl phthalate	1.67	1.14		mg/kg wet		68	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.25		mg/kg wet		75	27 - 134
2,4-Dinitrophenol	1.67	1.47		mg/kg wet		88	23 - 142
2,6-Dinitrotoluene	1.67	1.03		mg/kg wet		62	43 - 120
2,4-Dinitrotoluene	1.67	1.05		mg/kg wet		63	43 - 120
Di-n-octyl phthalate	1.67	1.23		mg/kg wet		74	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	1.30		mg/kg wet		78	43 - 120
Fluoranthene	1.67	1.21		mg/kg wet		73	46 - 120
Fluorene	1.67	1.21		mg/kg wet		73	42 - 120
Hexachlorobenzene	1.67	1.20		mg/kg wet		72	44 - 120
Hexachlorobutadiene	1.67	1.18		mg/kg wet		71	31 - 120
Hexachlorocyclopentadiene	1.67	0.734		mg/kg wet		44	24 - 120
Hexachloroethane	1.67	0.998		mg/kg wet		60	33 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.25		mg/kg wet		75	41 - 121
Isophorone	1.67	0.961		mg/kg wet		58	33 - 120
2-Methylnaphthalene	1.67	1.14		mg/kg wet		69	28 - 120
2-Methylphenol	1.67	0.926		mg/kg wet		56	36 - 120
3/4-Methylphenol	1.67	0.919		mg/kg wet		55	37 - 120
Naphthalene	1.67	1.21		mg/kg wet		73	32 - 120
3-Nitroaniline	1.67	1.25		mg/kg wet		75	42 - 120
2-Nitroaniline	1.67	1.22		mg/kg wet		73	40 - 120
4-Nitroaniline	1.67	1.25		mg/kg wet		75	43 - 120
Nitrobenzene	1.67	0.856		mg/kg wet		51	26 - 120
4-Nitrophenol	1.67	1.08		mg/kg wet		65	32 - 136
2-Nitrophenol	1.67	1.17		mg/kg wet		70	29 - 120
N-Nitrosodiphenylamine	1.67	1.42		mg/kg wet		85	52 - 140
N-Nitrosodi-n-propylamine	1.67	1.09		mg/kg wet		65	35 - 120
Pentachlorophenol	1.67	1.56		mg/kg wet		94	44 - 134
Phenanthrene	1.67	1.18		mg/kg wet		71	45 - 120
Phenol	1.67	1.12		mg/kg wet		67	30 - 120
Pyrene	1.67	1.20		mg/kg wet		72	43 - 120
1,2,4-Trichlorobenzene	1.67	0.916		mg/kg wet		55	29 - 120
2,4,6-Trichlorophenol	1.67	1.29		mg/kg wet		77	39 - 120
2,4,5-Trichlorophenol	1.67	1.02		mg/kg wet		61	39 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	75		18 - 120
2,4,6-Tribromophenol	60		19 - 120
Phenol-d5	61		18 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7097-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12A7097**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7097\_P**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	55		14 - 120
2-Fluorophenol	54		17 - 120
Nitrobenzene-d5	48		17 - 120

**Lab Sample ID: 12A7097-MS1**  
**Matrix: Soil**  
**Analysis Batch: 12A7097**

**Client Sample ID: TRACT 26 SB-1 (0-2)**  
**Prep Type: Total**  
**Prep Batch: 12A7097\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike		Unit	D	%Rec	Limits
				Result	Qualifier				
Acenaphthene	<0.0338		1.65	1.13		mg/kg wet		68	19 - 120
Acenaphthylene	<0.0338		1.65	1.00		mg/kg wet		61	25 - 120
Anthracene	<0.0338		1.65	1.15		mg/kg wet		70	28 - 125
Benzo (a) anthracene	0.0384	J	1.65	1.24		mg/kg wet		73	23 - 120
Benzo (a) pyrene	<0.0338		1.65	1.24		mg/kg wet		75	15 - 128
Benzo (b) fluoranthene	0.0503	J	1.65	1.13		mg/kg wet		65	12 - 133
Benzo (g,h,i) perylene	0.0606	J	1.65	1.19		mg/kg wet		69	22 - 120
Benzo (k) fluoranthene	0.0394	J	1.65	1.22		mg/kg wet		72	28 - 120
4-Bromophenyl phenyl ether	<0.166		1.65	1.21		mg/kg wet		73	31 - 120
Butyl benzyl phthalate	<0.166		1.65	1.26		mg/kg wet		76	24 - 133
Carbazole	<0.166		1.65	1.17		mg/kg wet		71	25 - 123
4-Chloro-3-methylphenol	<0.166		1.65	1.18		mg/kg wet		71	21 - 120
4-Chloroaniline	<0.166		1.65	1.21		mg/kg wet		73	26 - 120
Bis(2-chloroethoxy)methane	<0.166		1.65	1.13		mg/kg wet		68	24 - 120
Bis(2-chloroethyl)ether	<0.166		1.65	1.09		mg/kg wet		66	22 - 120
Bis(2-chloroisopropyl)ether	<0.166		1.65	1.06		mg/kg wet		64	20 - 120
2-Chloronaphthalene	<0.166		1.65	0.923		mg/kg wet		56	24 - 120
2-Chlorophenol	<0.166		1.65	1.10		mg/kg wet		66	25 - 120
4-Chlorophenyl phenyl ether	<0.166		1.65	1.16		mg/kg wet		70	26 - 120
Chrysene	0.0464	J	1.65	1.16		mg/kg wet		67	20 - 120
Dibenz (a,h) anthracene	<0.0338		1.65	1.14		mg/kg wet		69	12 - 128
Dibenzofuran	<0.166		1.65	1.19		mg/kg wet		72	21 - 120
Di-n-butyl phthalate	<0.166		1.65	1.13		mg/kg wet		68	29 - 126
1,4-Dichlorobenzene	<0.166		1.65	0.867		mg/kg wet		53	10 - 120
1,2-Dichlorobenzene	<0.166		1.65	0.888		mg/kg wet		54	10 - 120
1,3-Dichlorobenzene	<0.166		1.65	0.870		mg/kg wet		53	10 - 120
3,3-Dichlorobenzidine	<0.166		1.65	1.16		mg/kg wet		70	10 - 120
2,4-Dichlorophenol	<0.166		1.65	1.23		mg/kg wet		74	17 - 120
Diethyl phthalate	<0.166		1.65	1.10		mg/kg wet		67	29 - 122
2,4-Dimethylphenol	<0.191		1.65	1.24		mg/kg wet		75	17 - 120
Dimethyl phthalate	<0.166		1.65	1.09		mg/kg wet		66	30 - 120
4,6-Dinitro-2-methylphenol	<0.166		1.65	0.179	J	mg/kg wet		11	10 - 134
2,4-Dinitrophenol	<0.166		1.65	0.224	J	mg/kg wet		14	10 - 150
2,6-Dinitrotoluene	<0.166		1.65	0.942		mg/kg wet		57	24 - 120
2,4-Dinitrotoluene	<0.166		1.65	0.939		mg/kg wet		57	24 - 121
Di-n-octyl phthalate	<0.166		1.65	1.31		mg/kg wet		79	27 - 130
Bis(2-ethylhexyl)phthalate	<0.166		1.65	1.32		mg/kg wet		80	26 - 120
Fluoranthene	0.0500	J	1.65	1.20		mg/kg wet		69	10 - 143
Fluorene	<0.0338		1.65	1.20		mg/kg wet		73	20 - 120
Hexachlorobenzene	<0.166		1.65	1.19		mg/kg wet		72	25 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7097-MS1**

**Matrix: Soil**

**Analysis Batch: 12A7097**

**Client Sample ID: TRACT 26 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12A7097\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Hexachlorobutadiene	<0.166		1.65	1.19		mg/kg wet		72	10 - 120	
Hexachlorocyclopentadiene	<0.166		1.65	0.368		mg/kg wet		22	10 - 120	
Hexachloroethane	<0.166		1.65	0.982		mg/kg wet		59	10 - 120	
Indeno (1,2,3-cd) pyrene	<0.0338		1.65	1.20		mg/kg wet		73	22 - 121	
Isophorone	<0.166		1.65	0.922		mg/kg wet		56	24 - 120	
2-Methylnaphthalene	<0.0338		1.65	1.12		mg/kg wet		68	13 - 120	
2-Methylphenol	<0.166		1.65	0.928		mg/kg wet		56	23 - 120	
3/4-Methylphenol	<0.166		1.65	0.920		mg/kg wet		56	19 - 120	
Naphthalene	<0.0338		1.65	1.19		mg/kg wet		72	10 - 120	
3-Nitroaniline	<0.166		1.65	1.20		mg/kg wet		73	31 - 120	
2-Nitroaniline	<0.166		1.65	1.23		mg/kg wet		75	31 - 120	
4-Nitroaniline	<0.166		1.65	1.29		mg/kg wet		78	28 - 120	
Nitrobenzene	<0.166		1.65	0.839		mg/kg wet		51	19 - 120	
4-Nitrophenol	<0.166		1.65	1.02		mg/kg wet		62	16 - 139	
2-Nitrophenol	<0.195		1.65	1.03		mg/kg wet		62	23 - 120	
N-Nitrosodiphenylamine	<0.182		1.65	1.34		mg/kg wet		81	26 - 150	
N-Nitrosodi-n-propylamine	<0.166		1.65	1.07		mg/kg wet		65	24 - 120	
Pentachlorophenol	<0.166		1.65	1.55		mg/kg wet		94	19 - 145	
Phenanthrene	0.0378	J	1.65	1.16		mg/kg wet		68	21 - 122	
Phenol	<0.166		1.65	1.12		mg/kg wet		68	15 - 120	
Pyrene	0.0530	J	1.65	1.19		mg/kg wet		69	20 - 123	
1,2,4-Trichlorobenzene	<0.166		1.65	0.914		mg/kg wet		55	14 - 120	
2,4,6-Trichlorophenol	<0.166		1.65	1.38		mg/kg wet		83	24 - 122	
2,4,5-Trichlorophenol	<0.166		1.65	1.07		mg/kg wet		65	27 - 120	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
Terphenyl-d14	69		18 - 120
2,4,6-Tribromophenol	62		19 - 120
Phenol-d5	62		18 - 120
2-Fluorobiphenyl	52		14 - 120
2-Fluorophenol	57		17 - 120
Nitrobenzene-d5	49		17 - 120

**Lab Sample ID: 12A7097-MSD1**

**Matrix: Soil**

**Analysis Batch: 12A7097**

**Client Sample ID: TRACT 26 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12A7097\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier							
Acenaphthene	<0.0338		1.66	1.07		mg/kg wet		64	19 - 120	5	50	
Acenaphthylene	<0.0338		1.66	0.978		mg/kg wet		59	25 - 120	3	50	
Anthracene	<0.0338		1.66	1.09		mg/kg wet		66	28 - 125	6	49	
Benzo (a) anthracene	0.0384	J	1.66	1.17		mg/kg wet		68	23 - 120	6	50	
Benzo (a) pyrene	<0.0338		1.66	1.16		mg/kg wet		70	15 - 128	6	50	
Benzo (b) fluoranthene	0.0503	J	1.66	1.10		mg/kg wet		63	12 - 133	2	50	
Benzo (g,h,i) perylene	0.0606	J	1.66	1.11		mg/kg wet		63	22 - 120	7	50	
Benzo (k) fluoranthene	0.0394	J	1.66	1.14		mg/kg wet		66	28 - 120	7	45	
4-Bromophenyl phenyl ether	<0.166		1.66	1.14		mg/kg wet		68	31 - 120	6	37	
Butyl benzyl phthalate	<0.166		1.66	1.18		mg/kg wet		71	24 - 133	7	50	
Carbazole	<0.166		1.66	1.12		mg/kg wet		67	25 - 123	5	46	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12A7097-MSD1

Matrix: Soil

Analysis Batch: 12A7097

Client Sample ID: TRACT 26 SB-1 (0-2)

Prep Type: Total

Prep Batch: 12A7097\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
4-Chloro-3-methylphenol	<0.166		1.66	1.11		mg/kg wet		67	21 - 120	6	49	
4-Chloroaniline	<0.166		1.66	1.13		mg/kg wet		68	26 - 120	7	50	
Bis(2-chloroethoxy)methane	<0.166		1.66	1.07		mg/kg wet		64	24 - 120	6	50	
Bis(2-chloroethyl)ether	<0.166		1.66	1.00		mg/kg wet		60	22 - 120	9	50	
Bis(2-chloroisopropyl)ether	<0.166		1.66	1.01		mg/kg wet		61	20 - 120	5	50	
2-Chloronaphthalene	<0.166		1.66	0.884		mg/kg wet		53	24 - 120	4	50	
2-Chlorophenol	<0.166		1.66	1.02		mg/kg wet		61	25 - 120	7	50	
4-Chlorophenyl phenyl ether	<0.166		1.66	1.08		mg/kg wet		65	26 - 120	7	50	
Chrysene	0.0464	J	1.66	1.10		mg/kg wet		63	20 - 120	5	49	
Dibenz (a,h) anthracene	<0.0338		1.66	1.05		mg/kg wet		63	12 - 128	8	50	
Dibenzofuran	<0.166		1.66	1.12		mg/kg wet		68	21 - 120	6	50	
Di-n-butyl phthalate	<0.166		1.66	1.05		mg/kg wet		63	29 - 126	7	49	
1,4-Dichlorobenzene	<0.166		1.66	0.827		mg/kg wet		50	10 - 120	5	50	
1,2-Dichlorobenzene	<0.166		1.66	0.851		mg/kg wet		51	10 - 120	4	50	
1,3-Dichlorobenzene	<0.166		1.66	0.833		mg/kg wet		50	10 - 120	4	50	
3,3-Dichlorobenzidine	<0.166		1.66	1.10		mg/kg wet		67	10 - 120	5	50	
2,4-Dichlorophenol	<0.166		1.66	1.15		mg/kg wet		69	17 - 120	6	50	
Diethyl phthalate	<0.166		1.66	1.05		mg/kg wet		63	29 - 122	5	45	
2,4-Dimethylphenol	<0.191		1.66	1.15		mg/kg wet		69	17 - 120	8	50	
Dimethyl phthalate	<0.166		1.66	0.995		mg/kg wet		60	30 - 120	9	46	
4,6-Dinitro-2-methylphenol	<0.166		1.66	<0.166	M2	mg/kg wet			10 - 134		50	
2,4-Dinitrophenol	<0.166		1.66	0.207	J	mg/kg wet		12	10 - 150	8	50	
2,6-Dinitrotoluene	<0.166		1.66	0.885		mg/kg wet		53	24 - 120	6	50	
2,4-Dinitrotoluene	<0.166		1.66	0.876		mg/kg wet		53	24 - 121	7	50	
Di-n-octyl phthalate	<0.166		1.66	1.24		mg/kg wet		75	27 - 130	6	50	
Bis(2-ethylhexyl)phthalate	<0.166		1.66	1.24		mg/kg wet		75	26 - 120	6	50	
Fluoranthene	0.0500	J	1.66	1.13		mg/kg wet		65	10 - 143	5	50	
Fluorene	<0.0338		1.66	1.14		mg/kg wet		69	20 - 120	5	50	
Hexachlorobenzene	<0.166		1.66	1.12		mg/kg wet		68	25 - 120	6	50	
Hexachlorobutadiene	<0.166		1.66	1.12		mg/kg wet		67	10 - 120	6	50	
Hexachlorocyclopentadiene	<0.166		1.66	0.338		mg/kg wet		20	10 - 120	8	50	
Hexachloroethane	<0.166		1.66	0.926		mg/kg wet		56	10 - 120	6	50	
Indeno (1,2,3-cd) pyrene	<0.0338		1.66	1.10		mg/kg wet		66	22 - 121	8	50	
Isophorone	<0.166		1.66	0.874		mg/kg wet		53	24 - 120	5	50	
2-Methylnaphthalene	<0.0338		1.66	1.03		mg/kg wet		62	13 - 120	8	50	
2-Methylphenol	<0.166		1.66	0.864		mg/kg wet		52	23 - 120	7	50	
3/4-Methylphenol	<0.166		1.66	0.870		mg/kg wet		52	19 - 120	6	50	
Naphthalene	<0.0338		1.66	1.16		mg/kg wet		70	10 - 120	3	50	
3-Nitroaniline	<0.166		1.66	1.15		mg/kg wet		69	31 - 120	5	49	
2-Nitroaniline	<0.166		1.66	1.18		mg/kg wet		71	31 - 120	4	50	
4-Nitroaniline	<0.166		1.66	1.16		mg/kg wet		70	28 - 120	11	49	
Nitrobenzene	<0.166		1.66	0.789		mg/kg wet		48	19 - 120	6	50	
4-Nitrophenol	<0.166		1.66	0.952		mg/kg wet		57	16 - 139	7	45	
2-Nitrophenol	<0.195		1.66	0.961		mg/kg wet		58	23 - 120	7	50	
N-Nitrosodiphenylamine	<0.182		1.66	1.26		mg/kg wet		76	26 - 150	6	50	
N-Nitrosodi-n-propylamine	<0.166		1.66	0.996		mg/kg wet		60	24 - 120	7	50	
Pentachlorophenol	<0.166		1.66	1.46		mg/kg wet		88	19 - 145	6	50	
Phenanthrene	0.0378	J	1.66	1.10		mg/kg wet		64	21 - 122	6	50	
Phenol	<0.166		1.66	1.03		mg/kg wet		62	15 - 120	8	50	
Pyrene	0.0530	J	1.66	1.14		mg/kg wet		65	20 - 123	5	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7097-MSD1**

**Matrix: Soil**

**Analysis Batch: 12A7097**

**Client Sample ID: TRACT 26 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12A7097\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
1,2,4-Trichlorobenzene	<0.166		1.66	0.868		mg/kg wet		52	14 - 120	5	50	
2,4,6-Trichlorophenol	<0.166		1.66	1.30		mg/kg wet		78	24 - 122	6	50	
2,4,5-Trichlorophenol	<0.166		1.66	1.01		mg/kg wet		61	27 - 120	5	50	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
Terphenyl-d14	63		18 - 120
2,4,6-Tribromophenol	57		19 - 120
Phenol-d5	57		18 - 120
2-Fluorobiphenyl	49		14 - 120
2-Fluorophenol	52		17 - 120
Nitrobenzene-d5	47		17 - 120

**Lab Sample ID: 12A7328-BLK1**

**Matrix: Water**

**Analysis Batch: 12A7328**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7328\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Anthracene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Carbazole	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Chrysene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		01/30/12 13:00	01/31/12 13:30	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7328-BLK1**

**Matrix: Water**

**Analysis Batch: 12A7328**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7328\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Fluorene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Isophorone	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Phenol	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
Pyrene	<1.00		2.00	1.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		01/30/12 13:00	01/31/12 13:30	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		01/30/12 13:00	01/31/12 13:30	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	84		13 - 120	01/30/12 13:00	01/31/12 13:30	1.00
2,4,6-Tribromophenol	64		10 - 120	01/30/12 13:00	01/31/12 13:30	1.00
Phenol-d5	26		10 - 120	01/30/12 13:00	01/31/12 13:30	1.00
2-Fluorobiphenyl	57		29 - 120	01/30/12 13:00	01/31/12 13:30	1.00
2-Fluorophenol	43		10 - 120	01/30/12 13:00	01/31/12 13:30	1.00
Nitrobenzene-d5	54		27 - 120	01/30/12 13:00	01/31/12 13:30	1.00

**Lab Sample ID: 12A7328-BS1**

**Matrix: Water**

**Analysis Batch: 12A7328**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7328\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	35.0	MNR1	ug/L		70	46 - 120
Acenaphthylene	50.0	31.4	MNR1	ug/L		63	48 - 120
Anthracene	50.0	37.4	MNR1	ug/L		75	58 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7328-BS1**

**Matrix: Water**

**Analysis Batch: 12A7328**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7328\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo (a) anthracene	50.0	38.3	MNR1	ug/L		77	57 - 120
Benzo (a) pyrene	50.0	40.0	MNR1	ug/L		80	57 - 124
Benzo (b) fluoranthene	50.0	37.6	MNR1	ug/L		75	51 - 125
Benzo (g,h,i) perylene	50.0	39.1	MNR1	ug/L		78	51 - 123
Benzo (k) fluoranthene	50.0	38.0	MNR1	ug/L		76	51 - 120
4-Bromophenyl phenyl ether	50.0	38.6	MNR1	ug/L		77	47 - 127
Butyl benzyl phthalate	50.0	39.3	MNR1	ug/L		79	51 - 146
Carbazole	50.0	38.8	MNR1	ug/L		78	54 - 123
4-Chloro-3-methylphenol	50.0	37.1	MNR1	ug/L		74	44 - 120
4-Chloroaniline	50.0	37.7	MNR1	ug/L		75	44 - 120
Bis(2-chloroethoxy)methane	50.0	37.4	MNR1	ug/L		75	44 - 120
Bis(2-chloroethyl)ether	50.0	34.5	MNR1	ug/L		69	47 - 120
Bis(2-chloroisopropyl)ether	50.0	34.6	MNR1	ug/L		69	44 - 120
2-Chloronaphthalene	50.0	27.2	MNR1	ug/L		54	39 - 120
2-Chlorophenol	50.0	34.7	MNR1	ug/L		69	40 - 120
4-Chlorophenyl phenyl ether	50.0	36.7	MNR1	ug/L		73	50 - 120
Chrysene	50.0	37.4	MNR1	ug/L		75	55 - 120
Dibenz (a,h) anthracene	50.0	36.1	MNR1	ug/L		72	50 - 125
Dibenzofuran	50.0	37.4	MNR1	ug/L		75	50 - 120
Di-n-butyl phthalate	50.0	38.3	MNR1	ug/L		77	54 - 140
1,4-Dichlorobenzene	50.0	17.4	MNR1	ug/L		35	31 - 120
1,2-Dichlorobenzene	50.0	17.8	MNR1	ug/L		36	32 - 120
1,3-Dichlorobenzene	50.0	17.0	MNR1	ug/L		34	32 - 120
3,3-Dichlorobenzidine	50.0	36.6	MNR1	ug/L		73	46 - 129
2,4-Dichlorophenol	50.0	37.9	MNR1	ug/L		76	38 - 120
Diethyl phthalate	50.0	37.0	MNR1	ug/L		74	54 - 128
2,4-Dimethylphenol	50.0	39.0	MNR1	ug/L		78	21 - 126
Dimethyl phthalate	50.0	36.4	MNR1	ug/L		73	53 - 127
4,6-Dinitro-2-methylphenol	50.0	39.2	MNR1	ug/L		78	19 - 150
2,4-Dinitrophenol	50.0	40.6	MNR1	ug/L		81	20 - 150
2,6-Dinitrotoluene	50.0	32.3	MNR1	ug/L		65	54 - 128
2,4-Dinitrotoluene	50.0	32.0	MNR1	ug/L		64	46 - 132
Di-n-octyl phthalate	50.0	39.4	MNR1	ug/L		79	50 - 142
Bis(2-ethylhexyl)phthalate	50.0	40.7	MNR1	ug/L		81	47 - 138
Fluoranthene	50.0	38.8	MNR1	ug/L		78	56 - 120
Fluorene	50.0	37.6	MNR1	ug/L		75	52 - 120
Hexachlorobenzene	50.0	39.2	MNR1	ug/L		78	48 - 131
Hexachlorobutadiene	50.0	23.8	MNR1	ug/L		48	28 - 120
Hexachlorocyclopentadiene	50.0	15.5	MNR1	ug/L		31	17 - 120
Hexachloroethane	50.0	19.3	MNR1	ug/L		39	30 - 120
Indeno (1,2,3-cd) pyrene	50.0	39.0	MNR1	ug/L		78	54 - 125
Isophorone	50.0	30.9	MNR1	ug/L		62	47 - 120
2-Methylnaphthalene	50.0	30.2	MNR1	ug/L		60	31 - 120
2-Methylphenol	50.0	27.6	MNR1	ug/L		55	38 - 120
Naphthalene	50.0	30.7	MNR1	ug/L		61	37 - 120
3/4-Methylphenol	50.0	24.5	MNR1	ug/L		49	33 - 120
3-Nitroaniline	50.0	36.6	MNR1	ug/L		73	54 - 121
2-Nitroaniline	50.0	39.4	MNR1	ug/L		79	46 - 131
4-Nitroaniline	50.0	36.3	MNR1	ug/L		73	55 - 123
Nitrobenzene	50.0	27.1	MNR1	ug/L		54	36 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7328-BS1**

**Matrix: Water**

**Analysis Batch: 12A7328**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7328\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	50.0	16.5	MNR1 J	ug/L		33	10 - 120
2-Nitrophenol	50.0	37.4	MNR1	ug/L		75	32 - 120
N-Nitrosodiphenylamine	50.0	45.4	MNR1	ug/L		91	58 - 149
N-Nitrosodi-n-propylamine	50.0	35.5	MNR1	ug/L		71	51 - 120
Pentachlorophenol	50.0	47.2	MNR1	ug/L		94	21 - 150
Phenanthrene	50.0	38.0	MNR1	ug/L		76	56 - 120
Phenol	50.0	16.9	MNR1	ug/L		34	14 - 120
Pyrene	50.0	36.9	MNR1	ug/L		74	53 - 129
1,2,4-Trichlorobenzene	50.0	19.4	MNR1	ug/L		39	30 - 120
2,4,6-Trichlorophenol	50.0	40.3	MNR1	ug/L		81	39 - 135
2,4,5-Trichlorophenol	50.0	32.1	MNR1	ug/L		64	40 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	80		13 - 120
2,4,6-Tribromophenol	69		10 - 120
Phenol-d5	28		10 - 120
2-Fluorobiphenyl	63		29 - 120
2-Fluorophenol	45		10 - 120
Nitrobenzene-d5	59		27 - 120

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

**Lab Sample ID: 12A7010-BLK1**

**Matrix: Water**

**Analysis Batch: V001600**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7010\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
delta-BHC	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
alpha-BHC	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
beta-BHC	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
gamma-BHC (Lindane)	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
alpha-Chlordane	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
gamma-Chlordane	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
Chlordane	<1.00		2.00	1.00	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
4,4'-DDD	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
4,4'-DDE	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
4,4'-DDT	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
Dieldrin	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
Endosulfan I	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
Endosulfan II	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
Endosulfan sulfate	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
Endrin	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
Endrin aldehyde	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
Endrin ketone	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
Heptachlor	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
Heptachlor epoxide	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
Methoxychlor	<0.0130		0.0250	0.0130	ug/L		01/31/12 08:05	01/31/12 19:34	1.00
Toxaphene	<1.00		2.00	1.00	ug/L		01/31/12 08:05	01/31/12 19:34	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12A7010-BLK1**

**Matrix: Water**

**Analysis Batch: V001600**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7010\_P**

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-meta-xylene	94		38 - 150	01/31/12 08:05	01/31/12 19:34	1.00
Decachlorobiphenyl	112		10 - 141	01/31/12 08:05	01/31/12 19:34	1.00

**Lab Sample ID: 12A7010-BS1**

**Matrix: Water**

**Analysis Batch: V001600**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7010\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
delta-BHC	0.500	0.395		ug/L		79	35 - 145
alpha-BHC	0.500	0.480		ug/L		96	47 - 136
beta-BHC	0.500	0.490		ug/L		98	50 - 140
gamma-BHC (Lindane)	0.500	0.505		ug/L		101	50 - 138
alpha-Chlordane	0.500	0.475		ug/L		95	49 - 137
gamma-Chlordane	0.500	0.470		ug/L		94	46 - 143
4,4'-DDD	0.500	0.520		ug/L		104	51 - 150
4,4'-DDE	0.500	0.470		ug/L		94	49 - 138
4,4'-DDT	0.500	0.500		ug/L		100	33 - 150
Dieldrin	0.500	0.500		ug/L		100	49 - 136
Endosulfan I	0.500	0.495		ug/L		99	10 - 150
Endosulfan II	0.500	0.510		ug/L		102	11 - 150
Endosulfan sulfate	0.500	0.525		ug/L		105	43 - 150
Endrin	0.500	0.525		ug/L		105	54 - 150
Endrin aldehyde	0.500	0.500		ug/L		100	50 - 150
Endrin ketone	0.500	0.585		ug/L		117	50 - 147
Heptachlor	0.500	0.390		ug/L		78	43 - 146
Heptachlor epoxide	0.500	0.490		ug/L		98	50 - 136
Methoxychlor	0.500	0.495		ug/L		99	35 - 150

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	105		38 - 150
Decachlorobiphenyl	100		10 - 141

**Lab Sample ID: 12A7010-BS2**

**Matrix: Water**

**Analysis Batch: V001600**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7010\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toxaphene	10.0	13.4		ug/L		134	34 - 150

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	99		38 - 150
Decachlorobiphenyl	115		10 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12A7010-MS1**

**Matrix: Water**

**Analysis Batch: V001600**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12A7010\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike	Matrix Spike Qualifier	Unit	D	%Rec	Limits	%Rec.
	Result			Result						
Aldrin	<0.00943		0.476	0.352		ug/L		74	30 - 153	
delta-BHC	<0.00849		0.476	0.300		ug/L		63	35 - 145	
alpha-BHC	<0.0123		0.476	0.348		ug/L		73	47 - 136	
beta-BHC	<0.0434		0.476	0.352		ug/L		74	50 - 140	
gamma-BHC (Lindane)	<0.189		0.476	0.362		ug/L		76	50 - 138	
alpha-Chlordane	<0.0123		0.476	0.381		ug/L		80	31 - 168	
gamma-Chlordane	<0.0255		0.476	0.362		ug/L		76	11 - 163	
4,4'-DDD	<0.0151		0.476	0.395		ug/L		83	51 - 150	
4,4'-DDE	<0.00849		0.476	0.381		ug/L		80	29 - 175	
4,4'-DDT	<0.0104		0.476	0.405		ug/L		85	33 - 166	
Dieldrin	<0.0236		0.476	0.381		ug/L		80	49 - 136	
Endosulfan I	<0.00943		0.476	0.376		ug/L		79	10 - 160	
Endosulfan II	<0.0132		0.476	0.433		ug/L		91	10 - 170	
Endosulfan sulfate	<0.0142		0.476	0.438		ug/L		92	23 - 155	
Endrin	<0.0198		0.476	0.424		ug/L		89	31 - 167	
Endrin aldehyde	<0.0151		0.476	0.438		ug/L		92	50 - 175	
Endrin ketone	<0.0113		0.476	0.481		ug/L		101	50 - 147	
Heptachlor	<0.0113		0.476	0.362		ug/L		76	43 - 150	
Heptachlor epoxide	<0.0217		0.476	0.400		ug/L		84	50 - 136	
Methoxychlor	<0.0198		0.476	0.505		ug/L		106	33 - 186	
		<b>Matrix Spike</b>	<b>Matrix Spike</b>							
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
Tetrachloro-meta-xylene		89		38 - 150						
Decachlorobiphenyl		58		10 - 141						

**Lab Sample ID: 12A7010-MSD1**

**Matrix: Water**

**Analysis Batch: V001600**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12A7010\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	Result			Result							
Aldrin	<0.00943		0.476	0.343		ug/L		72	30 - 153	3	31
delta-BHC	<0.00849		0.476	0.286		ug/L		60	35 - 145	5	31
alpha-BHC	<0.0123		0.476	0.338		ug/L		71	47 - 136	3	32
beta-BHC	<0.0434		0.476	0.333		ug/L		70	50 - 140	6	34
gamma-BHC (Lindane)	<0.189		0.476	0.348		ug/L		73	50 - 138	4	29
alpha-Chlordane	<0.0123		0.476	0.362		ug/L		76	31 - 168	5	30
gamma-Chlordane	<0.0255		0.476	0.338		ug/L		71	11 - 163	7	29
4,4'-DDD	<0.0151		0.476	0.376		ug/L		79	51 - 150	5	28
4,4'-DDE	<0.00849		0.476	0.367		ug/L		77	29 - 175	4	30
4,4'-DDT	<0.0104		0.476	0.386		ug/L		81	33 - 166	5	32
Dieldrin	<0.0236		0.476	0.367		ug/L		77	49 - 136	4	28
Endosulfan I	<0.00943		0.476	0.357		ug/L		75	10 - 160	5	31
Endosulfan II	<0.0132		0.476	0.400		ug/L		84	10 - 170	8	28
Endosulfan sulfate	<0.0142		0.476	0.419		ug/L		88	23 - 155	4	31
Endrin	<0.0198		0.476	0.410		ug/L		86	31 - 167	3	30
Endrin aldehyde	<0.0151		0.476	0.410		ug/L		86	50 - 175	7	26
Endrin ketone	<0.0113		0.476	0.448		ug/L		94	50 - 147	7	31
Heptachlor	<0.0113		0.476	0.352		ug/L		74	43 - 150	3	30
Heptachlor epoxide	<0.0217		0.476	0.376		ug/L		79	50 - 136	6	30

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12A7010-MSD1**

**Matrix: Water**

**Analysis Batch: V001600**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12A7010\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methoxychlor	<0.0198		0.476	0.476		ug/L		100	33 - 186	6	30

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
Tetrachloro-meta-xylene	86		38 - 150
Decachlorobiphenyl	59		10 - 141

**Lab Sample ID: 12A7045-BLK1**

**Matrix: Soil**

**Analysis Batch: V001751**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7045\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
delta-BHC	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
alpha-BHC	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
beta-BHC	<0.000840		0.00330	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
gamma-BHC (Lindane)	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
alpha-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
gamma-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
Chlordane	<0.0333		0.0667	0.0333	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
4,4'-DDD	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
4,4'-DDE	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
4,4'-DDT	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
Dieldrin	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
Endosulfan I	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
Endosulfan II	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
Endosulfan sulfate	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
Endrin	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
Endrin aldehyde	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
Endrin ketone	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
Heptachlor	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
Heptachlor epoxide	<0.000840		0.00170	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
Methoxychlor	<0.000840		0.00330	0.000840	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00
Toxaphene	<0.0422		0.0667	0.0422	mg/kg wet		02/01/12 09:45	02/02/12 18:51	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	100		21 - 145	02/01/12 09:45	02/02/12 18:51	1.00
Decachlorobiphenyl	120		25 - 150	02/01/12 09:45	02/02/12 18:51	1.00

**Lab Sample ID: 12A7045-BS1**

**Matrix: Soil**

**Analysis Batch: V001751**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7045\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0167	0.0143	MNR	mg/kg wet		86	47 - 132
delta-BHC	0.0167	0.0150	MNR	mg/kg wet		90	10 - 149
alpha-BHC	0.0167	0.0147	MNR	mg/kg wet		88	45 - 128
beta-BHC	0.0167	0.0140	MNR	mg/kg wet		84	48 - 135
gamma-BHC (Lindane)	0.0167	0.0147	MNR	mg/kg wet		88	48 - 131
alpha-Chlordane	0.0167	0.0147	MNR	mg/kg wet		88	47 - 134

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12A7045-BS1**  
**Matrix: Soil**  
**Analysis Batch: V001751**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7045\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
gamma-Chlordane	0.0167	0.0147	MNR	mg/kg wet		88	48 - 145
4,4'-DDD	0.0167	0.0153	MNR	mg/kg wet		92	46 - 149
4,4'-DDE	0.0167	0.0150	MNR	mg/kg wet		90	48 - 139
4,4'-DDT	0.0167	0.0147	MNR	mg/kg wet		88	24 - 150
Dieldrin	0.0167	0.0150	MNR	mg/kg wet		90	42 - 137
Endosulfan I	0.0167	0.0150	MNR	mg/kg wet		90	10 - 150
Endosulfan II	0.0167	0.0150	MNR	mg/kg wet		90	12 - 150
Endosulfan sulfate	0.0167	0.0163	MNR	mg/kg wet		98	36 - 148
Endrin	0.0167	0.0143	MNR	mg/kg wet		86	46 - 145
Endrin aldehyde	0.0167	0.0157	MNR	mg/kg wet		94	48 - 150
Endrin ketone	0.0167	0.0183	MNR	mg/kg wet		110	43 - 150
Heptachlor	0.0167	0.0147	MNR	mg/kg wet		88	45 - 140
Heptachlor epoxide	0.0167	0.0147	MNR	mg/kg wet		88	47 - 133
Methoxychlor	0.0167	0.0147	MNR	mg/kg wet		88	23 - 150

Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-meta-xylene	94		21 - 145
Decachlorobiphenyl	118		25 - 150

**Lab Sample ID: 12A7045-BS2**  
**Matrix: Soil**  
**Analysis Batch: V001751**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7045\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chlordane	0.167	0.171	MNR	mg/kg wet		102	50 - 150
Toxaphene	0.333	0.414	MNR	mg/kg wet		124	10 - 150

Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-meta-xylene	100		21 - 145
Decachlorobiphenyl	122		25 - 150

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

**Lab Sample ID: 12A7016-BLK1**  
**Matrix: Water**  
**Analysis Batch: V001557**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12A7016\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.250		0.500	0.250	ug/L		01/28/12 12:30	01/30/12 20:30	1.00
PCB-1221	<0.250		0.500	0.250	ug/L		01/28/12 12:30	01/30/12 20:30	1.00
PCB-1232	<0.250		0.500	0.250	ug/L		01/28/12 12:30	01/30/12 20:30	1.00
PCB-1242	<0.250		0.500	0.250	ug/L		01/28/12 12:30	01/30/12 20:30	1.00
PCB-1248	<0.250		0.500	0.250	ug/L		01/28/12 12:30	01/30/12 20:30	1.00
PCB-1254	<0.250		0.500	0.250	ug/L		01/28/12 12:30	01/30/12 20:30	1.00
PCB-1260	<0.250		0.500	0.250	ug/L		01/28/12 12:30	01/30/12 20:30	1.00

Surrogate	%Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	94		17 - 142	01/28/12 12:30	01/30/12 20:30	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A (Continued)

**Lab Sample ID: 12A7016-BLK1**  
**Matrix: Water**  
**Analysis Batch: V001557**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12A7016\_P**

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Decachlorobiphenyl	182	Z2	10 - 149	01/28/12 12:30	01/30/12 20:30	1.00

**Lab Sample ID: 12A7016-BS1**  
**Matrix: Water**  
**Analysis Batch: V001557**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7016\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
PCB-1242	5.00	5.08	MNR1	ug/L		102	10 - 150	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	104		17 - 142
Decachlorobiphenyl	233	Z2	10 - 149

**Lab Sample ID: 12A7047-BLK1**  
**Matrix: Soil**  
**Analysis Batch: V001720**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12A7047\_P**

Analyte	Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0210		0.0333	0.0210	mg/kg wet		01/30/12 10:25	02/01/12 17:04	1.00
PCB-1221	<0.0110		0.0333	0.0110	mg/kg wet		01/30/12 10:25	02/01/12 17:04	1.00
PCB-1232	<0.0160		0.0333	0.0160	mg/kg wet		01/30/12 10:25	02/01/12 17:04	1.00
PCB-1242	<0.0260		0.0333	0.0260	mg/kg wet		01/30/12 10:25	02/01/12 17:04	1.00
PCB-1248	<0.0300		0.0333	0.0300	mg/kg wet		01/30/12 10:25	02/01/12 17:04	1.00
PCB-1254	<0.0110		0.0333	0.0110	mg/kg wet		01/30/12 10:25	02/01/12 17:04	1.00
PCB-1260	<0.0280		0.0333	0.0280	mg/kg wet		01/30/12 10:25	02/01/12 17:04	1.00

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-meta-xylene	112		19 - 147	01/30/12 10:25	02/01/12 17:04	1.00
Decachlorobiphenyl	134		20 - 150	01/30/12 10:25	02/01/12 17:04	1.00

**Lab Sample ID: 12A7047-BS1**  
**Matrix: Soil**  
**Analysis Batch: V001649**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7047\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
PCB-1242	0.167	0.168		mg/kg wet		101	45 - 137	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	106		19 - 147
Decachlorobiphenyl	234	Z2	20 - 150

**Lab Sample ID: 12A7047-MS1**  
**Matrix: Soil**  
**Analysis Batch: V001649**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12A7047\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits	%Rec.
PCB-1242	<0.0336		0.215	0.165		mg/kg dry	☼	77	21 - 175	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A (Continued)

**Lab Sample ID: 12A7047-MS1**  
**Matrix: Soil**  
**Analysis Batch: V001649**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12A7047\_P**

Surrogate	Matrix Spike		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	98		19 - 147
Decachlorobiphenyl	202	Z2	20 - 150

**Lab Sample ID: 12A7047-MSD1**  
**Matrix: Soil**  
**Analysis Batch: V001649**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 12A7047\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
PCB-1242	<0.0336		0.213	0.142		mg/kg dry	☼	66	21 - 175	15	35		

Surrogate	Matrix Spike Dup		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	92		19 - 147
Decachlorobiphenyl	162	Z2	20 - 150

## Method: SW846 6010C - Total Metals by EPA 6010C

**Lab Sample ID: 12A7013-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12A7013**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12A7013\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Calcium	<0.500		1.00	0.500	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Magnesium	<0.500		1.00	0.500	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Potassium	<0.500		1.00	0.500	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Sodium	<0.500		1.00	0.500	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		01/31/12 10:25	02/01/12 05:44	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		01/31/12 10:25	02/01/12 05:44	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12A7013-BS1**

**Matrix: Water**

**Analysis Batch: 12A7013**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7013\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
Aluminum	2.00	1.96		mg/L		98	80 - 120	
Antimony	0.100	0.106		mg/L		106	80 - 120	
Arsenic	0.0500	0.0490		mg/L		98	80 - 120	
Barium	2.00	2.06		mg/L		103	80 - 120	
Beryllium	0.0500	0.0519		mg/L		104	80 - 120	
Cadmium	0.0500	0.0509		mg/L		102	80 - 120	
Calcium	5.00	5.10		mg/L		102	80 - 120	
Chromium	0.200	0.202		mg/L		101	80 - 120	
Cobalt	0.500	0.502		mg/L		100	80 - 120	
Copper	0.250	0.252		mg/L		101	80 - 120	
Iron	1.00	1.03		mg/L		103	80 - 120	
Lead	0.0500	0.0516		mg/L		103	80 - 120	
Magnesium	5.00	5.13		mg/L		103	80 - 120	
Manganese	0.500	0.514		mg/L		103	80 - 120	
Nickel	0.500	0.509		mg/L		102	80 - 120	
Potassium	5.00	4.73		mg/L		95	80 - 120	
Selenium	0.0500	0.0470		mg/L		94	80 - 120	
Silver	0.0500	0.0505		mg/L		101	80 - 120	
Sodium	5.00	5.03		mg/L		101	80 - 120	
Thallium	0.0500	0.0452		mg/L		90	80 - 120	
Vanadium	0.500	0.502		mg/L		100	80 - 120	
Zinc	0.500	0.491		mg/L		98	80 - 120	

**Lab Sample ID: 12A7013-MS1**

**Matrix: Water**

**Analysis Batch: 12A7013**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12A7013\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits	%Rec.
Aluminum	<0.0500		2.00	2.02		mg/L		101	75 - 125	
Antimony	<0.00500		0.100	0.111		mg/L		111	75 - 125	
Arsenic	<0.00500		0.0500	0.0514		mg/L		103	75 - 125	
Barium	0.0852		2.00	2.20		mg/L		106	75 - 125	
Beryllium	<0.00200		0.0500	0.0538		mg/L		108	75 - 125	
Cadmium	<0.000600		0.0500	0.0519		mg/L		104	75 - 125	
Calcium	48.9		5.00	54.2		mg/L		105	75 - 125	
Chromium	0.00320		0.200	0.210		mg/L		104	75 - 125	
Cobalt	<0.0100		0.500	0.525		mg/L		105	75 - 125	
Copper	0.00800		0.250	0.264		mg/L		103	75 - 125	
Iron	<0.0250		1.00	1.06		mg/L		106	75 - 125	
Lead	<0.00250		0.0500	0.0504		mg/L		101	75 - 125	
Magnesium	9.01		5.00	14.3		mg/L		105	75 - 125	
Manganese	<0.00750		0.500	0.523		mg/L		105	75 - 125	
Nickel	<0.00500		0.500	0.532		mg/L		106	75 - 125	
Potassium	1.32		5.00	6.20		mg/L		98	75 - 125	
Selenium	<0.00500		0.0500	0.0503		mg/L		101	75 - 125	
Silver	<0.00250		0.0500	0.0526		mg/L		105	75 - 125	
Sodium	12.7		5.00	17.9		mg/L		104	75 - 125	
Thallium	<0.00500		0.0500	0.0445		mg/L		89	75 - 125	
Vanadium	<0.0100		0.500	0.515		mg/L		103	75 - 125	
Zinc	<0.0250		0.500	0.507		mg/L		101	75 - 125	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12A7013-MSD1**

**Matrix: Water**

**Analysis Batch: 12A7013**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12A7013\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result		Added	Result	Qualifier				Limits	RPD		
Aluminum	<0.0500		2.00	1.98		mg/L		99	75 - 125	2	20	
Antimony	<0.00500		0.100	0.108		mg/L		108	75 - 125	2	20	
Arsenic	<0.00500		0.0500	0.0549		mg/L		110	75 - 125	7	20	
Barium	0.0852		2.00	2.14		mg/L		103	75 - 125	3	20	
Beryllium	<0.00200		0.0500	0.0524		mg/L		105	75 - 125	3	20	
Cadmium	<0.000600		0.0500	0.0508		mg/L		102	75 - 125	2	20	
Calcium	48.9		5.00	54.4		mg/L		109	75 - 125	0.3	20	
Chromium	0.00320		0.200	0.204		mg/L		100	75 - 125	3	20	
Cobalt	<0.0100		0.500	0.513		mg/L		103	75 - 125	2	20	
Copper	0.00800		0.250	0.258		mg/L		100	75 - 125	3	20	
Iron	<0.0250		1.00	1.04		mg/L		104	75 - 125	2	20	
Lead	<0.00250		0.0500	0.0488		mg/L		98	75 - 125	3	20	
Magnesium	9.01		5.00	14.2		mg/L		103	75 - 125	0.6	20	
Manganese	<0.00750		0.500	0.514		mg/L		103	75 - 125	2	20	
Nickel	<0.00500		0.500	0.518		mg/L		104	75 - 125	2	20	
Potassium	1.32		5.00	6.13		mg/L		96	75 - 125	1	20	
Selenium	<0.00500		0.0500	0.0504		mg/L		101	75 - 125	0.2	20	
Silver	<0.00250		0.0500	0.0511		mg/L		102	75 - 125	3	20	
Sodium	12.7		5.00	17.8		mg/L		102	75 - 125	0.4	20	
Thallium	<0.00500		0.0500	0.0436		mg/L		87	75 - 125	2	20	
Vanadium	<0.0100		0.500	0.496		mg/L		99	75 - 125	4	20	
Zinc	<0.0250		0.500	0.498		mg/L		100	75 - 125	2	20	

**Lab Sample ID: 12A7262-BLK1**

**Matrix: Soil**

**Analysis Batch: 12A7262**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7262\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<10.1		20.2	10.1	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Antimony	<5.05		10.1	5.05	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Arsenic	<0.505		1.01	0.505	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Barium	<1.01		2.02	1.01	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Beryllium	<0.505		1.01	0.505	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Cadmium	<0.505		1.01	0.505	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Calcium	<50.5		101	50.5	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Chromium	<0.505		1.01	0.505	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Cobalt	<1.52		3.03	1.52	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Copper	<1.01		2.02	1.01	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Iron	<5.05		10.1	5.05	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Lead	<0.505		1.01	0.505	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Magnesium	<50.5		101	50.5	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Manganese	<1.52		3.03	1.52	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Nickel	<1.01		2.02	1.01	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Potassium	<50.5		101	50.5	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Selenium	<1.01		2.02	1.01	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Silver	<0.505		1.01	0.505	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Sodium	<101		202	101	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Thallium	<1.01		2.02	1.01	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Vanadium	<5.05		10.1	5.05	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Zinc	<5.05		10.1	5.05	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12A7262-BS1**

**Matrix: Soil**

**Analysis Batch: 12A7262**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7262\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	808	815		mg/kg wet		101	80 - 120
Antimony	40.4	40.7		mg/kg wet		101	80 - 120
Arsenic	20.2	18.0		mg/kg wet		89	80 - 120
Barium	808	794		mg/kg wet		98	80 - 120
Beryllium	20.2	20.7		mg/kg wet		102	80 - 120
Cadmium	20.2	20.3		mg/kg wet		100	80 - 120
Calcium	2020	2040		mg/kg wet		101	80 - 120
Chromium	80.8	82.3		mg/kg wet		102	80 - 120
Cobalt	202	201		mg/kg wet		100	80 - 120
Copper	101	101		mg/kg wet		100	80 - 120
Iron	404	409		mg/kg wet		101	80 - 120
Lead	20.2	20.4		mg/kg wet		101	80 - 120
Magnesium	2020	2070		mg/kg wet		102	80 - 120
Manganese	202	205		mg/kg wet		102	80 - 120
Nickel	202	202		mg/kg wet		100	80 - 120
Potassium	2020	2050		mg/kg wet		102	80 - 120
Selenium	20.2	19.1		mg/kg wet		94	80 - 120
Silver	20.2	20.5		mg/kg wet		102	75 - 125
Sodium	2020	2000		mg/kg wet		99	80 - 120
Thallium	20.2	17.7		mg/kg wet		88	80 - 120
Vanadium	202	201		mg/kg wet		100	80 - 120
Zinc	202	197		mg/kg wet		97	80 - 120

**Lab Sample ID: 12A7262-MS1**

**Matrix: Soil**

**Analysis Batch: 12A7262**

**Client Sample ID: TRACT 26 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12A7262\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	4320	MHA	795	6770	MHA	mg/kg wet		309	75 - 125
Antimony	<5.02		39.8	38.5		mg/kg wet		97	75 - 125
Arsenic	3.51		19.9	21.0		mg/kg wet		88	75 - 125
Barium	33.0		795	779		mg/kg wet		94	75 - 125
Beryllium	<0.502		19.9	20.2		mg/kg wet		102	75 - 125
Cadmium	<0.502		19.9	19.6		mg/kg wet		99	75 - 125
Calcium	7110	MHA	1990	7760	MHA	mg/kg wet		33	75 - 125
Chromium	7.93		79.5	90.9		mg/kg wet		104	75 - 125
Cobalt	<1.51		199	204		mg/kg wet		102	75 - 125
Copper	13.7		99.4	116		mg/kg wet		103	75 - 125
Iron	4660	MHA	398	6330	MHA	mg/kg wet		420	75 - 125
Lead	101		19.9	125		mg/kg wet		121	75 - 125
Magnesium	320		1990	2370		mg/kg wet		103	75 - 125
Manganese	28.9		199	232		mg/kg wet		102	75 - 125
Nickel	3.01		199	204		mg/kg wet		101	75 - 125
Potassium	144		1990	2260		mg/kg wet		106	75 - 125
Selenium	<1.00		19.9	19.3		mg/kg wet		97	75 - 125
Silver	<0.502		19.9	20.3		mg/kg wet		102	75 - 125
Sodium	<100		1990	1980		mg/kg wet		100	75 - 125
Thallium	<1.00		19.9	16.7		mg/kg wet		84	75 - 125
Vanadium	13.7		199	210		mg/kg wet		99	75 - 125
Zinc	45.4		199	248		mg/kg wet		102	75 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12A7262-MSD1**

**Matrix: Soil**

**Analysis Batch: 12A7262**

**Client Sample ID: TRACT 26 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12A7262\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Dup	Matrix Spike	Dup	D	%Rec	Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier	Unit						
Aluminum	4320	MHA	802	7100	MHA	mg/kg wet			347	75 - 125	5	20
Antimony	<5.02		40.1	39.4		mg/kg wet			98	75 - 125	2	20
Arsenic	3.51		20.0	20.2		mg/kg wet			83	75 - 125	4	20
Barium	33.0		802	776		mg/kg wet			93	75 - 125	0.3	20
Beryllium	<0.502		20.0	20.4		mg/kg wet			102	75 - 125	0.8	20
Cadmium	<0.502		20.0	19.4		mg/kg wet			97	75 - 125	0.9	20
Calcium	7110	MHA	2000	21000	MHA R2	mg/kg wet			693	75 - 125	92	20
Chromium	7.93		80.2	89.0		mg/kg wet			101	75 - 125	2	20
Cobalt	<1.51		200	204		mg/kg wet			102	75 - 125	0.1	20
Copper	13.7		100	115		mg/kg wet			101	75 - 125	0.5	20
Iron	4660	MHA	401	4940	MHA R2	mg/kg wet			71	75 - 125	25	20
Lead	101		20.0	119		mg/kg wet			88	75 - 125	5	20
Magnesium	320		2000	2420		mg/kg wet			105	75 - 125	2	20
Manganese	28.9		200	233		mg/kg wet			102	75 - 125	0.1	20
Nickel	3.01		200	205		mg/kg wet			101	75 - 125	0.7	20
Potassium	144		2000	2280		mg/kg wet			106	75 - 125	0.9	20
Selenium	<1.00		20.0	18.7		mg/kg wet			93	75 - 125	3	20
Silver	<0.502		20.0	20.2		mg/kg wet			101	75 - 125	0.2	20
Sodium	<100		2000	2050		mg/kg wet			102	75 - 125	4	20
Thallium	<1.00		20.0	17.0		mg/kg wet			85	75 - 125	1	20
Vanadium	13.7		200	211		mg/kg wet			98	75 - 125	0.2	20
Zinc	45.4		200	240		mg/kg wet			97	75 - 125	3	20

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 12A7033-BLK1**

**Matrix: Water**

**Analysis Batch: 12A7033**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 12A7033\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Calcium	<0.500		1.00	0.500	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Magnesium	<0.500		1.00	0.500	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Potassium	0.714	J	1.00	0.500	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Sodium	<0.500		1.00	0.500	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/08/12 13:42	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12A7033-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12A7033**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7033\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	<0.0100		0.0200	0.0100	mg/L		02/06/12 08:00	02/08/12 13:42	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		02/06/12 08:00	02/08/12 13:42	1.00

**Lab Sample ID: 12A7033-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12A7033**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7033\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0250		0.0500	0.0250	mg/L		02/06/12 08:00	02/08/12 15:59	1.00

**Lab Sample ID: 12A7033-BS1**  
**Matrix: Water**  
**Analysis Batch: 12A7033**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7033\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	2.00	1.94		mg/L		97	80 - 120
Antimony	0.100	0.107		mg/L		107	80 - 120
Arsenic	0.0500	0.0479		mg/L		96	80 - 120
Barium	2.00	2.09		mg/L		104	80 - 120
Beryllium	0.0500	0.0496		mg/L		99	80 - 120
Cadmium	0.0500	0.0497		mg/L		99	80 - 120
Calcium	5.00	4.94		mg/L		99	80 - 120
Chromium	0.200	0.193		mg/L		96	80 - 120
Cobalt	0.500	0.488		mg/L		98	80 - 120
Copper	0.250	0.241		mg/L		96	80 - 120
Iron	1.00	1.11		mg/L		111	80 - 120
Lead	0.0500	0.0510		mg/L		102	80 - 120
Magnesium	5.00	5.04		mg/L		101	80 - 120
Manganese	0.500	0.502		mg/L		100	80 - 120
Nickel	0.500	0.502		mg/L		100	80 - 120
Selenium	0.0500	0.0498		mg/L		100	80 - 120
Silver	0.0500	0.0484		mg/L		97	80 - 120
Sodium	5.00	5.13		mg/L		103	80 - 120
Thallium	0.0500	0.0438		mg/L		88	80 - 120
Vanadium	0.500	0.487		mg/L		97	80 - 120
Zinc	0.500	0.473		mg/L		95	80 - 120

**Lab Sample ID: 12A7033-BS1**  
**Matrix: Water**  
**Analysis Batch: 12A7033**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7033\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Potassium	5.00	5.37	B	mg/L		107	80 - 120

**Lab Sample ID: 12A7033-MS1**  
**Matrix: Water**  
**Analysis Batch: 12A7033**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7033\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	<0.0500		2.00	2.03		mg/L		101	75 - 125
Antimony	<0.00500		0.100	0.111		mg/L		111	75 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12A7033-MS1**

**Matrix: Water**

**Analysis Batch: 12A7033**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 12A7033\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Arsenic	<0.00500		0.0500	0.0519		mg/L		104	75 - 125
Barium	0.0486		2.00	2.19		mg/L		107	75 - 125
Beryllium	<0.00200		0.0500	0.0536		mg/L		107	75 - 125
Cadmium	<0.000600		0.0500	0.0523		mg/L		105	75 - 125
Calcium	46.8		5.00	50.0	MHA	mg/L		65	75 - 125
Chromium	<0.00250		0.200	0.205		mg/L		103	75 - 125
Cobalt	<0.0100		0.500	0.527		mg/L		105	75 - 125
Copper	0.0711		0.250	0.322		mg/L		101	75 - 125
Iron	0.0279		1.00	1.09		mg/L		106	75 - 125
Lead	<0.00250		0.0500	0.0498		mg/L		100	75 - 125
Magnesium	12.6		5.00	17.3		mg/L		95	75 - 125
Manganese	0.0186		0.500	0.542		mg/L		105	75 - 125
Nickel	<0.00500		0.500	0.534		mg/L		107	75 - 125
Potassium	2.34		5.00	7.48	B	mg/L		103	75 - 125
Selenium	<0.00500		0.0500	0.0535		mg/L		107	75 - 125
Silver	<0.00250		0.0500	0.0512		mg/L		102	75 - 125
Sodium	22.3		5.00	24.5	MHA	mg/L		44	75 - 125
Thallium	<0.00500		0.0500	0.0452		mg/L		90	75 - 125
Vanadium	<0.0100		0.500	0.514		mg/L		103	75 - 125
Zinc	0.0803		0.500	0.585		mg/L		101	75 - 125

**Lab Sample ID: 12A7033-MSD1**

**Matrix: Water**

**Analysis Batch: 12A7033**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 12A7033\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Aluminum	<0.0500		2.00	2.01		mg/L		101	75 - 125	0.7	20
Antimony	<0.00500		0.100	0.114		mg/L		114	75 - 125	3	20
Arsenic	<0.00500		0.0500	0.0503		mg/L		101	75 - 125	3	20
Barium	0.0486		2.00	2.15		mg/L		105	75 - 125	2	20
Beryllium	<0.00200		0.0500	0.0527		mg/L		105	75 - 125	2	20
Cadmium	<0.000600		0.0500	0.0518		mg/L		104	75 - 125	1	20
Calcium	46.8		5.00	50.4	MHA	mg/L		72	75 - 125	0.7	20
Chromium	<0.00250		0.200	0.203		mg/L		101	75 - 125	1	20
Cobalt	<0.0100		0.500	0.517		mg/L		103	75 - 125	2	20
Copper	0.0711		0.250	0.320		mg/L		100	75 - 125	0.7	20
Iron	0.0279		1.00	1.07		mg/L		105	75 - 125	1	20
Lead	<0.00250		0.0500	0.0481		mg/L		96	75 - 125	3	20
Magnesium	12.6		5.00	17.4		mg/L		96	75 - 125	0.2	20
Manganese	0.0186		0.500	0.535		mg/L		103	75 - 125	1	20
Nickel	<0.00500		0.500	0.524		mg/L		105	75 - 125	2	20
Potassium	2.34		5.00	7.85	B	mg/L		110	75 - 125	5	20
Selenium	<0.00500		0.0500	0.0538		mg/L		108	75 - 125	0.6	20
Silver	<0.00250		0.0500	0.0517		mg/L		103	75 - 125	1	20
Sodium	22.3		5.00	23.0	MHA	mg/L		14	75 - 125	6	20
Thallium	<0.00500		0.0500	0.0434		mg/L		87	75 - 125	4	20
Vanadium	<0.0100		0.500	0.510		mg/L		102	75 - 125	0.9	20
Zinc	0.0803		0.500	0.585		mg/L		101	75 - 125	0.05	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12B0056-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12B0056**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12B0056\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		02/01/12 10:30	02/01/12 14:40	1.00

**Lab Sample ID: 12B0056-BS1**  
**Matrix: Water**  
**Analysis Batch: 12B0056**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12B0056\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00100	0.00113		mg/L		113	80 - 120

**Lab Sample ID: 12B0056-BSD1**  
**Matrix: Water**  
**Analysis Batch: 12B0056**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 12B0056\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.00100	0.000855	R	mg/L		85	80 - 120	27	20

**Lab Sample ID: 12B0056-MS1**  
**Matrix: Water**  
**Analysis Batch: 12B0056**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12B0056\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.00116		mg/L		116	75 - 125

**Lab Sample ID: 12B0056-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12B0056**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 12B0056\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.00111		mg/L		111	75 - 125	5	20

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12A7302-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12A7302**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7302\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		02/01/12 15:00	02/02/12 13:54	1.00

**Lab Sample ID: 12A7302-BS1**  
**Matrix: Water**  
**Analysis Batch: 12A7302**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7302\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00100	0.000872		mg/L		87	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 12A7302-BSD1**  
**Matrix: Water**  
**Analysis Batch: 12A7302**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7302\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	0.00100	0.000855		mg/L		86	80 - 120	2	20

**Lab Sample ID: 12A7302-MS1**  
**Matrix: Water**  
**Analysis Batch: 12A7302**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7302\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.000717	M8	mg/L		72	75 - 125

**Lab Sample ID: 12A7302-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12A7302**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7302\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	<0.000100		0.00100	0.000703	M8	mg/L		70	75 - 125	2	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 12A7301-BLK1**  
**Matrix: Soil**  
**Analysis Batch: V001949**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12A7301\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.049		0.099	0.049	mg/kg wet		02/02/12 13:30	02/03/12 11:05	1.0

**Lab Sample ID: 12A7301-BS1**  
**Matrix: Soil**  
**Analysis Batch: V001949**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7301\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.166	0.17		mg/kg wet		103	80 - 120

**Lab Sample ID: 12A7301-MS1**  
**Matrix: Soil**  
**Analysis Batch: V001949**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12A7301\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.070		0.238	0.25		mg/kg dry	☼	106	80 - 120

**Lab Sample ID: 12A7301-MSD1**  
**Matrix: Soil**  
**Analysis Batch: V001949**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 12A7301\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	<0.070		0.231	0.23		mg/kg dry	☼	98	80 - 120	10	20

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## GCMS Volatiles

### Analysis Batch: V001573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A6946-BLK1	Method Blank	Total	Water	SW846 8260B	12A6946_P
12A6946-BS1	Lab Control Sample	Total	Water	SW846 8260B	12A6946_P
12A6946-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	12A6946_P
12A6946-MS1	Matrix Spike	Total	Water	SW846 8260B	12A6946_P
12A6946-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	12A6946_P
NWA4535-03	TRACT 26 TW-1 (26-30)	Total	Ground Water	SW846 8260B	12A6946_P
NWA4535-06	TRACT 40 TW-1 (4-8)	Total	Ground Water	SW846 8260B	12A6946_P
NWA4535-07	Trip Blank	Total	Water	SW846 8260B	12A6946_P

### Analysis Batch: V002049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B1695-BLK1	Method Blank	Total	Soil	SW846 8260B	12B1695_P
12B1695-BLK2	Method Blank	Total	Soil	SW846 8260B	12B1695_P
12B1695-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12B1695_P
12B1695-MS1	Matrix Spike	Total	Soil	SW846 8260B	12B1695_P
12B1695-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	12B1695_P
NWA4535-02	TRACT 26 SB-1 (52-55)	Total	Soil	SW846 8260B	12B1695_P
NWA4535-05	TRACT 40 SB-1 (4-8)	Total	Soil	SW846 8260B	12B1695_P

### Analysis Batch: V002137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B1967-BLK1	Method Blank	Total	Soil	SW846 8260B	12B1967_P
12B1967-BLK2	Method Blank	Total	Soil	SW846 8260B	12B1967_P
12B1967-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12B1967_P
12B1967-MS1	Matrix Spike	Total	Soil	SW846 8260B	12B1967_P
12B1967-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	12B1967_P
NWA4535-01 - RE1	TRACT 26 SB-1 (0-2)	Total	Soil	SW846 8260B	12B1967_P
NWA4535-01 - RE2	TRACT 26 SB-1 (0-2)	Total	Soil	SW846 8260B	12B1967_P
NWA4535-04 - RE1	TRACT 40 SB-1 (0-2)	Total	Soil	SW846 8260B	12B1967_P

### Prep Batch: 12A6946\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A6946-BLK1	Method Blank	Total	Water	EPA 5030B	
12A6946-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12A6946-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
12A6946-MS1	Matrix Spike	Total	Water	EPA 5030B	
12A6946-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NWA4535-03	TRACT 26 TW-1 (26-30)	Total	Ground Water	EPA 5030B	
NWA4535-06	TRACT 40 TW-1 (4-8)	Total	Ground Water	EPA 5030B	
NWA4535-07	Trip Blank	Total	Water	EPA 5030B	

### Prep Batch: 12B1695\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B1695-BLK1	Method Blank	Total	Soil	EPA 5035	
12B1695-BLK2	Method Blank	Total	Soil	EPA 5035	
12B1695-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12B1695-MS1	Matrix Spike	Total	Soil	EPA 5035	
12B1695-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NWA4535-02	TRACT 26 SB-1 (52-55)	Total	Soil	EPA 5035	
NWA4535-05	TRACT 40 SB-1 (4-8)	Total	Soil	EPA 5035	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## GCMS Volatiles (Continued)

### Prep Batch: 12B1967\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B1967-BLK1	Method Blank	Total	Soil	EPA 5035	
12B1967-BLK2	Method Blank	Total	Soil	EPA 5035	
12B1967-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12B1967-MS1	Matrix Spike	Total	Soil	EPA 5035	
12B1967-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NWA4535-01 - RE1	TRACT 26 SB-1 (0-2)	Total	Soil	EPA 5035	
NWA4535-01 - RE2	TRACT 26 SB-1 (0-2)	Total	Soil	EPA 5035	
NWA4535-04 - RE1	TRACT 40 SB-1 (0-2)	Total	Soil	EPA 5035	

## GCMS Semivolatiles

### Analysis Batch: 12A7034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7034-BLK1	Method Blank	Total	Water	SW846 8270D	12A7034_P
12A7034-BS1	Lab Control Sample	Total	Water	SW846 8270D	12A7034_P
NWA4535-06	TRACT 40 TW-1 (4-8)	Total	Ground Water	SW846 8270D	12A7034_P

### Analysis Batch: 12A7097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7097-BLK1	Method Blank	Total	Soil	SW846 8270D	12A7097_P
12A7097-BS1	Lab Control Sample	Total	Soil	SW846 8270D	12A7097_P
12A7097-MS1	TRACT 26 SB-1 (0-2)	Total	Soil	SW846 8270D	12A7097_P
12A7097-MSD1	TRACT 26 SB-1 (0-2)	Total	Soil	SW846 8270D	12A7097_P
NWA4535-01	TRACT 26 SB-1 (0-2)	Total	Soil	SW846 8270D	12A7097_P
NWA4535-02	TRACT 26 SB-1 (52-55)	Total	Soil	SW846 8270D	12A7097_P
NWA4535-04	TRACT 40 SB-1 (0-2)	Total	Soil	SW846 8270D	12A7097_P
NWA4535-05	TRACT 40 SB-1 (4-8)	Total	Soil	SW846 8270D	12A7097_P

### Analysis Batch: 12A7328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7328-BLK1	Method Blank	Total	Water	SW846 8270D	12A7328_P
12A7328-BS1	Lab Control Sample	Total	Water	SW846 8270D	12A7328_P
NWA4535-03 - RE1	TRACT 26 TW-1 (26-30)	Total	Ground Water	SW846 8270D	12A7328_P

### Prep Batch: 12A7034\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7034-BLK1	Method Blank	Total	Water	EPA 3510C	
12A7034-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NWA4535-06	TRACT 40 TW-1 (4-8)	Total	Ground Water	EPA 3510C	

### Prep Batch: 12A7097\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7097-BLK1	Method Blank	Total	Soil	EPA 3550C	
12A7097-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12A7097-MS1	TRACT 26 SB-1 (0-2)	Total	Soil	EPA 3550C	
12A7097-MSD1	TRACT 26 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWA4535-01	TRACT 26 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWA4535-02	TRACT 26 SB-1 (52-55)	Total	Soil	EPA 3550C	
NWA4535-04	TRACT 40 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWA4535-05	TRACT 40 SB-1 (4-8)	Total	Soil	EPA 3550C	



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## GCMS Semivolatiles (Continued)

### Prep Batch: 12A7328\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7328-BLK1	Method Blank	Total	Water	EPA 3510C	
12A7328-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NWA4535-03 - RE1	TRACT 26 TW-1 (26-30)	Total	Ground Water	EPA 3510C	

## Pesticides

### Analysis Batch: V001557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7016-BLK1	Method Blank	Total	Water	SW846 8082A	12A7016_P
12A7016-BS1	Lab Control Sample	Total	Water	SW846 8082A	12A7016_P
NWA4535-03	TRACT 26 TW-1 (26-30)	Total	Ground Water	SW846 8082A	12A7016_P
NWA4535-06	TRACT 40 TW-1 (4-8)	Total	Ground Water	SW846 8082A	12A7016_P

### Analysis Batch: V001600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7010-BLK1	Method Blank	Total	Water	SW846 8081B	12A7010_P
12A7010-BS1	Lab Control Sample	Total	Water	SW846 8081B	12A7010_P
12A7010-BS2	Lab Control Sample	Total	Water	SW846 8081B	12A7010_P
12A7010-MS1	Matrix Spike	Total	Water	SW846 8081B	12A7010_P
12A7010-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8081B	12A7010_P
NWA4535-03	TRACT 26 TW-1 (26-30)	Total	Ground Water	SW846 8081B	12A7010_P
NWA4535-06	TRACT 40 TW-1 (4-8)	Total	Ground Water	SW846 8081B	12A7010_P

### Analysis Batch: V001649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7047-BS1	Lab Control Sample	Total	Soil	SW846 8082A	12A7047_P
12A7047-MS1	Matrix Spike	Total	Soil	SW846 8082A	12A7047_P
12A7047-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8082A	12A7047_P
NWA4535-01	TRACT 26 SB-1 (0-2)	Total	Soil	SW846 8082A	12A7047_P
NWA4535-02	TRACT 26 SB-1 (52-55)	Total	Soil	SW846 8082A	12A7047_P
NWA4535-04	TRACT 40 SB-1 (0-2)	Total	Soil	SW846 8082A	12A7047_P
NWA4535-05	TRACT 40 SB-1 (4-8)	Total	Soil	SW846 8082A	12A7047_P

### Analysis Batch: V001720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7047-BLK1	Method Blank	Total	Soil	SW846 8082A	12A7047_P

### Analysis Batch: V001751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7045-BLK1	Method Blank	Total	Soil	SW846 8081B	12A7045_P
12A7045-BS1	Lab Control Sample	Total	Soil	SW846 8081B	12A7045_P
12A7045-BS2	Lab Control Sample	Total	Soil	SW846 8081B	12A7045_P

### Analysis Batch: V001863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWA4535-01 - RE1	TRACT 26 SB-1 (0-2)	Total	Soil	SW846 8081B	12A7045_P
NWA4535-02 - RE1	TRACT 26 SB-1 (52-55)	Total	Soil	SW846 8081B	12A7045_P
NWA4535-04 - RE1	TRACT 40 SB-1 (0-2)	Total	Soil	SW846 8081B	12A7045_P
NWA4535-05 - RE1	TRACT 40 SB-1 (4-8)	Total	Soil	SW846 8081B	12A7045_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Pesticides (Continued)

### Prep Batch: 12A7010\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7010-BLK1	Method Blank	Total	Water	EPA 3510C	
12A7010-BS1	Lab Control Sample	Total	Water	EPA 3510C	
12A7010-BS2	Lab Control Sample	Total	Water	EPA 3510C	
12A7010-MS1	Matrix Spike	Total	Water	EPA 3510C	
12A7010-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3510C	
NWA4535-03	TRACT 26 TW-1 (26-30)	Total	Ground Water	EPA 3510C	
NWA4535-06	TRACT 40 TW-1 (4-8)	Total	Ground Water	EPA 3510C	

### Prep Batch: 12A7016\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7016-BLK1	Method Blank	Total	Water	EPA 3510C/3665A	
12A7016-BS1	Lab Control Sample	Total	Water	EPA 3510C/3665A	
NWA4535-03	TRACT 26 TW-1 (26-30)	Total	Ground Water	EPA 3510C/3665A	
NWA4535-06	TRACT 40 TW-1 (4-8)	Total	Ground Water	EPA 3510C/3665A	

### Prep Batch: 12A7045\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7045-BLK1	Method Blank	Total	Soil	EPA 3550C	
12A7045-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12A7045-BS2	Lab Control Sample	Total	Soil	EPA 3550C	
NWA4535-01 - RE1	TRACT 26 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWA4535-02 - RE1	TRACT 26 SB-1 (52-55)	Total	Soil	EPA 3550C	
NWA4535-04 - RE1	TRACT 40 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWA4535-05 - RE1	TRACT 40 SB-1 (4-8)	Total	Soil	EPA 3550C	

### Prep Batch: 12A7047\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7047-BLK1	Method Blank	Total	Soil	EPA 3550C/3665A	
12A7047-BS1	Lab Control Sample	Total	Soil	EPA 3550C/3665A	
12A7047-MS1	Matrix Spike	Total	Soil	EPA 3550C/3665A	
12A7047-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550C/3665A	
NWA4535-01	TRACT 26 SB-1 (0-2)	Total	Soil	EPA 3550C/3665A	
NWA4535-02	TRACT 26 SB-1 (52-55)	Total	Soil	EPA 3550C/3665A	
NWA4535-04	TRACT 40 SB-1 (0-2)	Total	Soil	EPA 3550C/3665A	
NWA4535-05	TRACT 40 SB-1 (4-8)	Total	Soil	EPA 3550C/3665A	

## Metals

### Analysis Batch: 12A7013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7013-BLK1	Method Blank	Total	Water	SW846 6010C	12A7013_P
12A7013-BS1	Lab Control Sample	Total	Water	SW846 6010C	12A7013_P
12A7013-MS1	Matrix Spike	Total	Water	SW846 6010C	12A7013_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Metals (Continued)

### Analysis Batch: 12A7013 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7013-MSD1	Matrix Spike Duplicate	Total	Water	SW846 6010C	12A7013_P
NWA4535-03	TRACT 26 TW-1 (26-30)	Total	Ground Water	SW846 6010C	12A7013_P
NWA4535-06	TRACT 40 TW-1 (4-8)	Total	Ground Water	SW846 6010C	12A7013_P

### Analysis Batch: 12A7033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7033-BLK1	Method Blank	Dissolved	Water	SW846 6010C	12A7033_P
12A7033-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	12A7033_P
12A7033-MS1	Matrix Spike	Dissolved	Water	SW846 6010C	12A7033_P
12A7033-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 6010C	12A7033_P
NWA4535-03	TRACT 26 TW-1 (26-30)	Dissolved	Ground Water	SW846 6010C	12A7033_P
NWA4535-06	TRACT 40 TW-1 (4-8)	Dissolved	Ground Water	SW846 6010C	12A7033_P

### Analysis Batch: 12A7262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7262-BLK1	Method Blank	Total	Soil	SW846 6010C	12A7262_P
12A7262-BS1	Lab Control Sample	Total	Soil	SW846 6010C	12A7262_P
12A7262-MS1	TRACT 26 SB-1 (0-2)	Total	Soil	SW846 6010C	12A7262_P
12A7262-MSD1	TRACT 26 SB-1 (0-2)	Total	Soil	SW846 6010C	12A7262_P
NWA4535-01	TRACT 26 SB-1 (0-2)	Total	Soil	SW846 6010C	12A7262_P
NWA4535-02	TRACT 26 SB-1 (52-55)	Total	Soil	SW846 6010C	12A7262_P
NWA4535-04	TRACT 40 SB-1 (0-2)	Total	Soil	SW846 6010C	12A7262_P
NWA4535-05	TRACT 40 SB-1 (4-8)	Total	Soil	SW846 6010C	12A7262_P

### Analysis Batch: 12A7301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWA4535-01	TRACT 26 SB-1 (0-2)	Total	Soil	SW846 7471B	12A7301_P
NWA4535-02	TRACT 26 SB-1 (52-55)	Total	Soil	SW846 7471B	12A7301_P
NWA4535-04	TRACT 40 SB-1 (0-2)	Total	Soil	SW846 7471B	12A7301_P
NWA4535-05	TRACT 40 SB-1 (4-8)	Total	Soil	SW846 7471B	12A7301_P

### Analysis Batch: 12A7302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7302-BLK1	Method Blank	Dissolved	Water	SW846 7470A	12A7302_P
12A7302-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	12A7302_P
12A7302-BSD1	Lab Control Sample Dup	Dissolved	Water	SW846 7470A	12A7302_P
12A7302-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	12A7302_P
12A7302-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	12A7302_P
NWA4535-03	TRACT 26 TW-1 (26-30)	Dissolved	Ground Water	SW846 7470A	12A7302_P
NWA4535-06	TRACT 40 TW-1 (4-8)	Dissolved	Ground Water	SW846 7470A	12A7302_P

### Analysis Batch: 12B0056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B0056-BLK1	Method Blank	Total	Water	SW846 7470A	12B0056_P
12B0056-BS1	Lab Control Sample	Total	Water	SW846 7470A	12B0056_P
12B0056-BSD1	Lab Control Sample Dup	Total	Water	SW846 7470A	12B0056_P
12B0056-MS1	Matrix Spike	Total	Water	SW846 7470A	12B0056_P
12B0056-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	12B0056_P
NWA4535-03	TRACT 26 TW-1 (26-30)	Total	Ground Water	SW846 7470A	12B0056_P
NWA4535-06	TRACT 40 TW-1 (4-8)	Total	Ground Water	SW846 7470A	12B0056_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Metals (Continued)

### Analysis Batch: V001949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7301-BLK1	Method Blank	Total	Soil	SW846 7471B	12A7301_P
12A7301-BS1	Lab Control Sample	Total	Soil	SW846 7471B	12A7301_P
12A7301-MS1	Matrix Spike	Total	Soil	SW846 7471B	12A7301_P
12A7301-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	12A7301_P

### Prep Batch: 12A7013\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7013-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
12A7013-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
12A7013-MS1	Matrix Spike	Total	Water	EPA 3010A / 6010	
12A7013-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3010A / 6010	
NWA4535-03	TRACT 26 TW-1 (26-30)	Total	Ground Water	EPA 3010A / 6010	
NWA4535-06	TRACT 40 TW-1 (4-8)	Total	Ground Water	EPA 3010A / 6010	

### Prep Batch: 12A7033\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7033-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12A7033-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12A7033-MS1	Matrix Spike	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12A7033-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NWA4535-03	TRACT 26 TW-1 (26-30)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NWA4535-06	TRACT 40 TW-1 (4-8)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

### Prep Batch: 12A7262\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7262-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
12A7262-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
12A7262-MS1	TRACT 26 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
12A7262-MSD1	TRACT 26 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NWA4535-01	TRACT 26 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NWA4535-02	TRACT 26 SB-1 (52-55)	Total	Soil	EPA 3051A/6010	
NWA4535-04	TRACT 40 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NWA4535-05	TRACT 40 SB-1 (4-8)	Total	Soil	EPA 3051A/6010	

### Prep Batch: 12A7301\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7301-BLK1	Method Blank	Total	Soil	EPA 7471	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Metals (Continued)

### Prep Batch: 12A7301\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7301-BS1	Lab Control Sample	Total	Soil	EPA 7471	
12A7301-MS1	Matrix Spike	Total	Soil	EPA 7471	
12A7301-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NWA4535-01	TRACT 26 SB-1 (0-2)	Total	Soil	EPA 7471	
NWA4535-02	TRACT 26 SB-1 (52-55)	Total	Soil	EPA 7471	
NWA4535-04	TRACT 40 SB-1 (0-2)	Total	Soil	EPA 7471	
NWA4535-05	TRACT 40 SB-1 (4-8)	Total	Soil	EPA 7471	

### Prep Batch: 12A7302\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7302-BLK1	Method Blank	Dissolved	Water	EPA 7470	
12A7302-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
12A7302-BSD1	Lab Control Sample Dup	Dissolved	Water	EPA 7470	
12A7302-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
12A7302-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	
NWA4535-03	TRACT 26 TW-1 (26-30)	Dissolved	Ground Water	EPA 7470	
NWA4535-06	TRACT 40 TW-1 (4-8)	Dissolved	Ground Water	EPA 7470	

### Prep Batch: 12B0056\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B0056-BLK1	Method Blank	Total	Water	EPA 7470	
12B0056-BS1	Lab Control Sample	Total	Water	EPA 7470	
12B0056-BSD1	Lab Control Sample Dup	Total	Water	EPA 7470	
12B0056-MS1	Matrix Spike	Total	Water	EPA 7470	
12B0056-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NWA4535-03	TRACT 26 TW-1 (26-30)	Total	Ground Water	EPA 7470	
NWA4535-06	TRACT 40 TW-1 (4-8)	Total	Ground Water	EPA 7470	

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Client Sample ID: TRACT 26 SB-1 (0-2)

Lab Sample ID: NWA4535-01

Date Collected: 01/26/12 10:00

Matrix: Soil

Date Received: 01/27/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	1.02	12B1967_P	01/27/12 18:33	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	V002137	02/06/12 13:21	KKK	TAL NSH
Total	Prep	EPA 5035	RE2	0.969	12B1967_P	01/27/12 18:33	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE2	50.0	V002137	02/06/12 13:52	KKK	TAL NSH
Total	Prep	EPA 3550C		0.994	12A7097_P	02/01/12 10:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12A7097	02/02/12 13:46	BES	TAL NSH
Total	Prep	EPA 3550C/3665A		0.981	12A7047_P	01/30/12 10:25	MWT	TAL NSH
Total	Analysis	SW846 8082A		1.00	V001649	02/01/12 01:32	RMC	TAL NSH
Total	Prep	EPA 3550C	RE1	0.993	12A7045_P	02/01/12 09:45	AJM	TAL NSH
Total	Analysis	SW846 8081B	RE1	20.0	V001863	02/03/12 19:21	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		1.00	12A7262_P	01/30/12 12:00	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	12A7262	02/08/12 19:14	LTB	TAL NSH
Total	Prep	EPA 7471		0.98	12A7301_P	02/02/12 13:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12A7301	02/03/12 11:33	MB	TAL NSH

## Client Sample ID: TRACT 26 SB-1 (52-55)

Lab Sample ID: NWA4535-02

Date Collected: 01/26/12 11:15

Matrix: Soil

Date Received: 01/27/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.962	12B1695_P	01/27/12 18:33	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V002049	02/03/12 15:36	KKK	TAL NSH
Total	Prep	EPA 3550C		0.997	12A7097_P	02/01/12 10:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12A7097	02/01/12 21:51	BES	TAL NSH
Total	Prep	EPA 3550C/3665A		0.990	12A7047_P	01/30/12 10:25	MWT	TAL NSH
Total	Analysis	SW846 8082A		1.00	V001649	02/01/12 01:57	RMC	TAL NSH
Total	Prep	EPA 3550C	RE1	0.993	12A7045_P	02/01/12 09:45	AJM	TAL NSH
Total	Analysis	SW846 8081B	RE1	1.00	V001863	02/03/12 17:56	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		0.996	12A7262_P	01/30/12 12:00	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	12A7262	02/08/12 19:34	LTB	TAL NSH
Total	Prep	EPA 7471		0.99	12A7301_P	02/02/12 13:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12A7301	02/03/12 11:36	MB	TAL NSH

## Client Sample ID: TRACT 26 TW-1 (26-30)

Lab Sample ID: NWA4535-03

Date Collected: 01/26/12 11:30

Matrix: Ground Water

Date Received: 01/27/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12A6946_P	01/29/12 16:01	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V001573	01/30/12 02:15	CMM	TAL NSH
Total	Prep	EPA 3510C	RE1	0.943	12A7328_P	01/30/12 13:00	RCH2	TAL NSH
Total	Analysis	SW846 8270D	RE1	1.00	12A7328	01/31/12 20:50	BES	TAL NSH
Total	Prep	EPA 3510C		0.943	12A7010_P	01/31/12 08:05	RCH2	TAL NSH
Total	Analysis	SW846 8081B		1.00	V001600	01/31/12 20:45	WAM	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Client Sample ID: TRACT 26 TW-1 (26-30)

## Lab Sample ID: NWA4535-03

Date Collected: 01/26/12 11:30

Matrix: Ground Water

Date Received: 01/27/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C/3665A		0.952	12A7016_P	01/28/12 12:30	MWT	TAL NSH
Total	Analysis	SW846 8082A		1.00	V001557	01/30/12 23:47	WAM	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	12A7033_P	02/06/12 08:00	CXU	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	12A7033	02/08/12 14:50	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	12A7013_P	01/31/12 10:25	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12A7013	02/01/12 06:46	LTB	TAL NSH
Total	Analysis	SW846 6010C		10.0	12A7013	02/01/12 12:34	LTB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	12A7302_P	02/01/12 15:00	ALJ	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12A7302	02/02/12 14:33	MB	TAL NSH
Total	Prep	EPA 7470		1.00	12B0056_P	02/01/12 10:30	MB	TAL NSH
Total	Analysis	SW846 7470A		1.00	12B0056	02/01/12 14:59	ALJ	TAL NSH

## Client Sample ID: TRACT 40 SB-1 (0-2)

## Lab Sample ID: NWA4535-04

Date Collected: 01/26/12 14:00

Matrix: Soil

Date Received: 01/27/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	0.973	12B1967_P	01/27/12 18:33	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	V002137	02/06/12 14:22	KKK	TAL NSH
Total	Prep	EPA 3550C		0.994	12A7097_P	02/01/12 10:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12A7097	02/01/12 22:09	BES	TAL NSH
Total	Prep	EPA 3550C/3665A		0.986	12A7047_P	01/30/12 10:25	MWT	TAL NSH
Total	Analysis	SW846 8082A		1.00	V001649	02/01/12 02:22	RMC	TAL NSH
Total	Prep	EPA 3550C	RE1	0.999	12A7045_P	02/01/12 09:45	AJM	TAL NSH
Total	Analysis	SW846 8081B	RE1	1.00	V001863	02/03/12 18:10	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		1.00	12A7262_P	01/30/12 12:00	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	12A7262	02/08/12 19:37	LTB	TAL NSH
Total	Prep	EPA 7471		1.0	12A7301_P	02/02/12 13:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12A7301	02/03/12 11:39	MB	TAL NSH

## Client Sample ID: TRACT 40 SB-1 (4-8)

## Lab Sample ID: NWA4535-05

Date Collected: 01/26/12 14:50

Matrix: Soil

Date Received: 01/27/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.794	12B1695_P	01/27/12 18:33	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V002049	02/03/12 16:36	KKK	TAL NSH
Total	Prep	EPA 3550C		0.999	12A7097_P	02/01/12 10:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12A7097	02/01/12 22:27	BES	TAL NSH
Total	Prep	EPA 3550C/3665A		0.985	12A7047_P	01/30/12 10:25	MWT	TAL NSH
Total	Analysis	SW846 8082A		1.00	V001649	02/01/12 02:46	RMC	TAL NSH
Total	Prep	EPA 3550C	RE1	0.998	12A7045_P	02/01/12 09:45	AJM	TAL NSH
Total	Analysis	SW846 8081B	RE1	1.00	V001863	02/03/12 18:24	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		0.975	12A7262_P	01/30/12 12:00	CAT	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

## Client Sample ID: TRACT 40 SB-1 (4-8)

Lab Sample ID: NWA4535-05

Date Collected: 01/26/12 14:50

Matrix: Soil

Date Received: 01/27/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	SW846 6010C		1.00	12A7262	02/08/12 19:40	LTB	TAL NSH
Total	Prep	EPA 7471		0.97	12A7301_P	02/02/12 13:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12A7301	02/03/12 11:41	MB	TAL NSH

## Client Sample ID: TRACT 40 TW-1 (4-8)

Lab Sample ID: NWA4535-06

Date Collected: 01/26/12 15:10

Matrix: Ground Water

Date Received: 01/27/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12A6946_P	01/29/12 16:01	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V001573	01/30/12 02:43	CMM	TAL NSH
Total	Prep	EPA 3510C		0.952	12A7034_P	01/28/12 13:00	MAH	TAL NSH
Total	Analysis	SW846 8270D		1.00	12A7034	01/28/12 23:36	BES	TAL NSH
Total	Prep	EPA 3510C		0.943	12A7010_P	01/31/12 08:05	RCH2	TAL NSH
Total	Analysis	SW846 8081B		1.00	V001600	01/31/12 20:59	WAM	TAL NSH
Total	Prep	EPA 3510C/3665A		0.943	12A7016_P	01/28/12 12:30	MWT	TAL NSH
Total	Analysis	SW846 8082A		1.00	V001557	01/31/12 00:11	WAM	TAL NSH
Dissolved	Prep	EPA 3010A / 6010		10.0	12A7033_P	02/06/12 08:00	CXU	TAL NSH
Dissolved	Analysis	Dissolved SW846 6010C		1.00	12A7033	02/08/12 14:53	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	12A7013_P	01/31/12 10:25	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12A7013	02/01/12 06:49	LTB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	12A7302_P	02/01/12 15:00	ALJ	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12A7302	02/02/12 14:36	MB	TAL NSH
Total	Prep	EPA 7470		1.00	12B0056_P	02/01/12 10:30	MB	TAL NSH
Total	Analysis	SW846 7470A		1.00	12B0056	02/01/12 15:01	ALJ	TAL NSH

## Client Sample ID: Trip Blank

Lab Sample ID: NWA4535-07

Date Collected: 01/26/12 00:01

Matrix: Water

Date Received: 01/27/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12A6946_P	01/29/12 16:01	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V001573	01/29/12 21:09	CMM	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

Method	Method Description	Protocol	Laboratory
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 8081B	Organochlorine Pesticides by EPA Method 8081B		TAL NSH
SW846 8082A	Polychlorinated Biphenyls by EPA Method 8082A		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Certification Summary

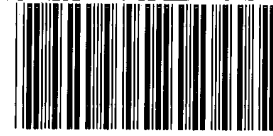
Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4535

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

COOLER RECEIPT



Cooler Received/Opened On 1/27/2012 @ 08:15

NWA4535

1. Tracking # 6993 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.3 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) EB

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #     

I certify that I unloaded the cooler and answered questions 7-14 (initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) W

I certify that I attached a label with the unique LIMS number to each container (initial) W

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#     





**COOLER RECEIPT FORM**

**NWA4535**  
02/10/12 23:59

Cooler Received/Opened On 1/27/2012@ 8:15

1. Tracking # 6955 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID 95610068

2. Temperature of rep. sample or temp blank when opened: 2.4 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES..NO...NA  
If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) JH

7. Were custody seals on containers: YES NO and Intact YES...NO...NA  
Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA  
b. Was there any observable headspace present in any VOA vial? YES..NO..NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA  
b. Did the bottle labels Indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES..NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) W

I certify that I attached a label with the unique LIMS number to each container (initial) W

21. Were there Non-Conformance issues at login? YES..NO Was a PIPE generated? YES..NO #       



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NWA4733  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline

*Roxanne L. Connor*

Authorized for release by:  
2/9/2012 3:53:37 PM  
Roxanne Connor  
Program Manager - Conventional Accounts  
[roxanne.connor@testamericainc.com](mailto:roxanne.connor@testamericainc.com)

Designee for  
Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)



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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWA4733-01	Tract 44 SB-1 (0-2)	Soil	01/27/12 09:45	01/28/12 08:20
NWA4733-02	Tract 44 SB-1 (6-10)	Soil	01/27/12 10:45	01/28/12 08:20
NWA4733-03	Tract 44 TW-1 (4-8)	Ground Water	01/27/12 11:00	01/28/12 08:20
NWA4733-04	Trip Blank	Water	01/27/12 00:01	01/28/12 08:20

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# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
R2	The RPD exceeded the acceptance limit.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.

### GCMS Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Pesticides

Qualifier	Qualifier Description
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.

### Metals

Qualifier	Qualifier Description
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
P7	Sample filtered in lab.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Tract 44 SB-1 (0-2)**

**Lab Sample ID: NWA4733-01**

**Date Collected: 01/27/12 09:45**

**Matrix: Soil**

**Date Received: 01/28/12 08:20**

**Percent Solids: 91.5**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0275		0.0550	0.0275	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Benzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Bromochloromethane	<0.00132		0.00220	0.00132	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Bromodichloromethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Bromoform	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Bromomethane	<0.00132		0.00220	0.00132	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
2-Butanone	<0.0275		0.0550	0.0275	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Carbon disulfide	<0.00396		0.00550	0.00396	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Carbon Tetrachloride	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Chlorobenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Chlorodibromomethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Chloroethane	<0.00275		0.00550	0.00275	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Chloroform	<0.00143		0.00220	0.00143	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Chloromethane	<0.00121		0.00220	0.00121	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Cyclohexane	<0.00550		0.0110	0.00550	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,2-Dibromo-3-chloropropane	<0.00275		0.00550	0.00275	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,2-Dibromoethane (EDB)	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Methylcyclohexane	<0.00550		0.0110	0.00550	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,2-Dichlorobenzene	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,3-Dichlorobenzene	<0.00132		0.00220	0.00132	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,4-Dichlorobenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Dichlorodifluoromethane	<0.00154		0.00220	0.00154	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,2-Dichloroethane	<0.00121		0.00220	0.00121	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,1-Dichloroethane	<0.00143		0.00220	0.00143	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,1-Dichloroethene	<0.00132		0.00220	0.00132	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
trans-1,2-Dichloroethene	<0.00143		0.00220	0.00143	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,1,2-Trifluorotrichloroethane	<0.00121		0.00220	0.00121	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
cis-1,2-Dichloroethene	<0.00121		0.00220	0.00121	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,2-Dichloropropane	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
trans-1,3-Dichloropropene	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
cis-1,3-Dichloropropene	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Ethylbenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
2-Hexanone	<0.0275		0.0550	0.0275	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Isopropylbenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Methyl Acetate	<0.00550		0.0110	0.00550	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Methyl tert-Butyl Ether	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Methylene Chloride	<0.00550		0.0110	0.00550	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
4-Methyl-2-pentanone	<0.0275		0.0550	0.0275	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Styrene	<0.00121		0.00220	0.00121	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,1,2,2-Tetrachloroethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Tetrachloroethene	<0.00143		0.00220	0.00143	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Toluene	<0.00121		0.00220	0.00121	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,2,4-Trichlorobenzene	<0.00132		0.00220	0.00132	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,2,3-Trichlorobenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,1,1-Trichloroethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
1,1,2-Trichloroethane	<0.00275		0.00550	0.00275	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Trichloroethene	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Trichlorofluoromethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Vinyl chloride	<0.00110		0.00220	0.00110	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00
Xylenes, total	<0.00275		0.00550	0.00275	mg/kg dry	☼	01/27/12 09:45	02/02/12 19:48	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Tract 44 SB-1 (0-2)**

**Lab Sample ID: NWA4733-01**

**Date Collected: 01/27/12 09:45**

**Matrix: Soil**

**Date Received: 01/28/12 08:20**

**Percent Solids: 91.5**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	96		70 - 130	01/27/12 09:45	02/02/12 19:48	1.00
Dibromofluoromethane	89		70 - 130	01/27/12 09:45	02/02/12 19:48	1.00
Toluene-d8	104		70 - 130	01/27/12 09:45	02/02/12 19:48	1.00
4-Bromofluorobenzene	102		70 - 130	01/27/12 09:45	02/02/12 19:48	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Acenaphthylene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Anthracene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Benzo (a) anthracene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Benzo (a) pyrene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Benzo (b) fluoranthene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Benzo (g,h,i) perylene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Benzo (k) fluoranthene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
4-Bromophenyl phenyl ether	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Butyl benzyl phthalate	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Carbazole	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
4-Chloro-3-methylphenol	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
4-Chloroaniline	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Bis(2-chloroethoxy)methane	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Bis(2-chloroethyl)ether	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Bis(2-chloroisopropyl)ether	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2-Chloronaphthalene	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2-Chlorophenol	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
4-Chlorophenyl phenyl ether	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Chrysene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Dibenz (a,h) anthracene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Dibenzofuran	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Di-n-butyl phthalate	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
1,4-Dichlorobenzene	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
1,2-Dichlorobenzene	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
1,3-Dichlorobenzene	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
3,3-Dichlorobenzidine	<0.181		0.723	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2,4-Dichlorophenol	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Diethyl phthalate	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2,4-Dimethylphenol	<0.208		0.361	0.208	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Dimethyl phthalate	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
4,6-Dinitro-2-methylphenol	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2,4-Dinitrophenol	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2,6-Dinitrotoluene	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2,4-Dinitrotoluene	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Di-n-octyl phthalate	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Bis(2-ethylhexyl)phthalate	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Fluoranthene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Fluorene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Hexachlorobenzene	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Hexachlorobutadiene	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Hexachlorocyclopentadiene	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Hexachloroethane	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Indeno (1,2,3-cd) pyrene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Tract 44 SB-1 (0-2)**

**Lab Sample ID: NWA4733-01**

**Date Collected: 01/27/12 09:45**

**Matrix: Soil**

**Date Received: 01/28/12 08:20**

**Percent Solids: 91.5**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2-Methylnaphthalene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2-Methylphenol	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
3/4-Methylphenol	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Naphthalene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
3-Nitroaniline	<0.181		0.903	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2-Nitroaniline	<0.181		0.903	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
4-Nitroaniline	<0.181		0.903	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Nitrobenzene	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
4-Nitrophenol	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2-Nitrophenol	<0.212		0.361	0.212	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
N-Nitrosodiphenylamine	<0.198		0.361	0.198	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
N-Nitrosodi-n-propylamine	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Pentachlorophenol	<0.181		0.903	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Phenanthrene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Phenol	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
Pyrene	<0.0369		0.0726	0.0369	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
1,2,4-Trichlorobenzene	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2,4,6-Trichlorophenol	<0.181		0.361	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00
2,4,5-Trichlorophenol	<0.181		0.903	0.181	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:04	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	56		18 - 120	02/03/12 12:15	02/03/12 21:04	1.00
2,4,6-Tribromophenol	39		19 - 120	02/03/12 12:15	02/03/12 21:04	1.00
Phenol-d5	47		18 - 120	02/03/12 12:15	02/03/12 21:04	1.00
2-Fluorobiphenyl	48		14 - 120	02/03/12 12:15	02/03/12 21:04	1.00
2-Fluorophenol	46		17 - 120	02/03/12 12:15	02/03/12 21:04	1.00
Nitrobenzene-d5	47		17 - 120	02/03/12 12:15	02/03/12 21:04	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
delta-BHC	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
alpha-BHC	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
beta-BHC	<0.000909		0.00357	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
gamma-BHC (Lindane)	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
alpha-Chlordane	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
gamma-Chlordane	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
Chlordane	<0.0360		0.0722	0.0360	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
4,4'-DDD	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
4,4'-DDE	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
4,4'-DDT	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
Dieldrin	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
Endosulfan I	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
Endosulfan II	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
Endosulfan sulfate	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
Endrin	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
Endrin aldehyde	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
Endrin ketone	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
Heptachlor	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
Heptachlor epoxide	<0.000909		0.00184	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Tract 44 SB-1 (0-2)**

**Lab Sample ID: NWA4733-01**

**Date Collected: 01/27/12 09:45**

**Matrix: Soil**

**Date Received: 01/28/12 08:20**

**Percent Solids: 91.5**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.000909		0.00357	0.000909	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
Toxaphene	<0.0457		0.0722	0.0457	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:15	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	88		21 - 145				02/03/12 12:25	02/06/12 19:15	1.00
Decachlorobiphenyl	92		25 - 150				02/03/12 12:25	02/06/12 19:15	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0225		0.0358	0.0225	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:30	1.00
PCB-1221	<0.0118		0.0358	0.0118	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:30	1.00
PCB-1232	<0.0172		0.0358	0.0172	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:30	1.00
PCB-1242	<0.0279		0.0358	0.0279	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:30	1.00
PCB-1248	<0.0322		0.0358	0.0322	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:30	1.00
PCB-1254	<0.0118		0.0358	0.0118	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:30	1.00
PCB-1260	<0.0301		0.0358	0.0301	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:30	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	106		19 - 147				01/31/12 09:50	02/01/12 22:30	1.00
Decachlorobiphenyl	128		20 - 150				01/31/12 09:50	02/01/12 22:30	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>7680</b>		20.8	10.4	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
Antimony	<5.20		10.4	5.20	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
<b>Arsenic</b>	<b>2.10</b>		1.04	0.520	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
<b>Barium</b>	<b>15.4</b>		2.08	1.04	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
Beryllium	<0.520		1.04	0.520	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
Cadmium	<0.520		1.04	0.520	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
<b>Calcium</b>	<b>3030</b>		104	52.0	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
<b>Chromium</b>	<b>8.82</b>		1.04	0.520	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
Cobalt	<1.56		3.12	1.56	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
Copper	<1.04		2.08	1.04	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
<b>Iron</b>	<b>5750</b>		10.4	5.20	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
<b>Lead</b>	<b>4.64</b>		1.04	0.520	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
<b>Magnesium</b>	<b>405</b>		104	52.0	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
<b>Manganese</b>	<b>12.6</b>		3.12	1.56	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
<b>Nickel</b>	<b>1.73 J</b>		2.08	1.04	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
<b>Potassium</b>	<b>177</b>		104	52.0	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
Selenium	<1.04		2.08	1.04	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
Silver	<0.520		1.04	0.520	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
Sodium	<104		208	104	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
Thallium	<1.04		2.08	1.04	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
<b>Vanadium</b>	<b>10.6</b>		10.4	5.20	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00
<b>Zinc</b>	<b>8.62 J</b>		10.4	5.20	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:43	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.053		0.11	0.053	mg/kg dry	☼	02/02/12 13:30	02/03/12 11:49	1.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Client Sample ID: Tract 44 SB-1 (0-2)

Date Collected: 01/27/12 09:45

Date Received: 01/28/12 08:20

## Lab Sample ID: NWA4733-01

Matrix: Soil

Percent Solids: 91.5

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	91.5		0.500	0.500	%		01/30/12 11:25	01/31/12 09:26	1.00

## Client Sample ID: Tract 44 SB-1 (6-10)

Date Collected: 01/27/12 10:45

Date Received: 01/28/12 08:20

## Lab Sample ID: NWA4733-02

Matrix: Soil

Percent Solids: 83.1

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0272		0.0543	0.0272	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Benzene	<0.00120		0.00217	0.00120	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Bromochloromethane	<0.00130		0.00217	0.00130	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Bromodichloromethane	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Bromoform	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Bromomethane	<0.00130		0.00217	0.00130	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
2-Butanone	<0.0272		0.0543	0.0272	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Carbon disulfide	<0.00391		0.00543	0.00391	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Carbon Tetrachloride	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Chlorobenzene	<0.00120		0.00217	0.00120	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Chlorodibromomethane	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Chloroethane	<0.00272		0.00543	0.00272	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Chloroform	<0.00141		0.00217	0.00141	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Chloromethane	<0.00120		0.00217	0.00120	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Cyclohexane	<0.00543		0.0109	0.00543	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,2-Dibromo-3-chloropropane	<0.00272		0.00543	0.00272	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,2-Dibromoethane (EDB)	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Methylcyclohexane	<0.00543		0.0109	0.00543	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,2-Dichlorobenzene	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,3-Dichlorobenzene	<0.00130		0.00217	0.00130	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,4-Dichlorobenzene	<0.00120		0.00217	0.00120	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Dichlorodifluoromethane	<0.00152		0.00217	0.00152	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,2-Dichloroethane	<0.00120		0.00217	0.00120	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,1-Dichloroethane	<0.00141		0.00217	0.00141	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,1-Dichloroethene	<0.00130		0.00217	0.00130	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
trans-1,2-Dichloroethene	<0.00141		0.00217	0.00141	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,1,2-Trifluorotrchloroethane	<0.00120		0.00217	0.00120	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
cis-1,2-Dichloroethene	<0.00120		0.00217	0.00120	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,2-Dichloropropane	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
trans-1,3-Dichloropropene	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
cis-1,3-Dichloropropene	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Ethylbenzene	<0.00120		0.00217	0.00120	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
2-Hexanone	<0.0272		0.0543	0.0272	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Isopropylbenzene	<0.00120		0.00217	0.00120	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Methyl Acetate	<0.00543		0.0109	0.00543	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Methyl tert-Butyl Ether	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Methylene Chloride	<0.00543		0.0109	0.00543	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
4-Methyl-2-pentanone	<0.0272		0.0543	0.0272	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Styrene	<0.00120		0.00217	0.00120	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,1,1,2-Tetrachloroethane	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Tetrachloroethene	<0.00141		0.00217	0.00141	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Tract 44 SB-1 (6-10)**

**Lab Sample ID: NWA4733-02**

**Date Collected: 01/27/12 10:45**

**Matrix: Soil**

**Date Received: 01/28/12 08:20**

**Percent Solids: 83.1**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00120		0.00217	0.00120	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,2,4-Trichlorobenzene	<0.00130		0.00217	0.00130	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,2,3-Trichlorobenzene	<0.00120		0.00217	0.00120	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,1,1-Trichloroethane	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
1,1,2-Trichloroethane	<0.00272		0.00543	0.00272	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Trichloroethene	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Trichlorofluoromethane	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Vinyl chloride	<0.00109		0.00217	0.00109	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
Xylenes, total	<0.00272		0.00543	0.00272	mg/kg dry	☼	01/27/12 10:45	02/02/12 20:16	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	95		70 - 130				01/27/12 10:45	02/02/12 20:16	1.00
Dibromofluoromethane	90		70 - 130				01/27/12 10:45	02/02/12 20:16	1.00
Toluene-d8	105		70 - 130				01/27/12 10:45	02/02/12 20:16	1.00
4-Bromofluorobenzene	104		70 - 130				01/27/12 10:45	02/02/12 20:16	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Acenaphthylene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Anthracene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Benzo (a) anthracene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Benzo (a) pyrene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Benzo (b) fluoranthene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Benzo (g,h,i) perylene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Benzo (k) fluoranthene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
4-Bromophenyl phenyl ether	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Butyl benzyl phthalate	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Carbazole	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
4-Chloro-3-methylphenol	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
4-Chloroaniline	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Bis(2-chloroethoxy)methane	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Bis(2-chloroethyl)ether	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Bis(2-chloroisopropyl)ether	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
2-Chloronaphthalene	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
2-Chlorophenol	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
4-Chlorophenyl phenyl ether	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Chrysene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Dibenz (a,h) anthracene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Dibenzofuran	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Di-n-butyl phthalate	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
1,4-Dichlorobenzene	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
1,2-Dichlorobenzene	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
1,3-Dichlorobenzene	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
3,3-Dichlorobenzidine	<0.201		0.802	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
2,4-Dichlorophenol	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Diethyl phthalate	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
2,4-Dimethylphenol	<0.231		0.400	0.231	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Dimethyl phthalate	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
4,6-Dinitro-2-methylphenol	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
2,4-Dinitrophenol	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Tract 44 SB-1 (6-10)**

**Lab Sample ID: NWA4733-02**

**Date Collected: 01/27/12 10:45**

**Matrix: Soil**

**Date Received: 01/28/12 08:20**

**Percent Solids: 83.1**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
2,4-Dinitrotoluene	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Di-n-octyl phthalate	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Bis(2-ethylhexyl)phthalate	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Fluoranthene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Fluorene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Hexachlorobenzene	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Hexachlorobutadiene	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Hexachlorocyclopentadiene	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Hexachloroethane	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Indeno (1,2,3-cd) pyrene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Isophorone	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
2-Methylnaphthalene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
2-Methylphenol	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
3/4-Methylphenol	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Naphthalene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
3-Nitroaniline	<0.201		1.00	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
2-Nitroaniline	<0.201		1.00	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
4-Nitroaniline	<0.201		1.00	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Nitrobenzene	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
4-Nitrophenol	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
2-Nitrophenol	<0.236		0.400	0.236	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
N-Nitrosodiphenylamine	<0.220		0.400	0.220	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
N-Nitrosodi-n-propylamine	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Pentachlorophenol	<0.201		1.00	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Phenanthrene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Phenol	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
Pyrene	<0.0409		0.0806	0.0409	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
1,2,4-Trichlorobenzene	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
2,4,6-Trichlorophenol	<0.201		0.400	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00
2,4,5-Trichlorophenol	<0.201		1.00	0.201	mg/kg dry	☼	02/03/12 12:15	02/03/12 21:25	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	61		18 - 120	02/03/12 12:15	02/03/12 21:25	1.00
2,4,6-Tribromophenol	42		19 - 120	02/03/12 12:15	02/03/12 21:25	1.00
Phenol-d5	48		18 - 120	02/03/12 12:15	02/03/12 21:25	1.00
2-Fluorobiphenyl	52		14 - 120	02/03/12 12:15	02/03/12 21:25	1.00
2-Fluorophenol	43		17 - 120	02/03/12 12:15	02/03/12 21:25	1.00
Nitrobenzene-d5	49		17 - 120	02/03/12 12:15	02/03/12 21:25	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
delta-BHC	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
alpha-BHC	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
beta-BHC	<0.000996		0.00391	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
gamma-BHC (Lindane)	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
alpha-Chlordane	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
gamma-Chlordane	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
Chlordane	<0.0395		0.0791	0.0395	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
4,4'-DDD	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Tract 44 SB-1 (6-10)**

**Lab Sample ID: NWA4733-02**

**Date Collected: 01/27/12 10:45**

**Matrix: Soil**

**Date Received: 01/28/12 08:20**

**Percent Solids: 83.1**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
4,4'-DDT	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
Dieldrin	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
Endosulfan I	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
Endosulfan II	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
Endosulfan sulfate	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
Endrin	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
Endrin aldehyde	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
Endrin ketone	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
Heptachlor	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
Heptachlor epoxide	<0.000996		0.00202	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
Methoxychlor	<0.000996		0.00391	0.000996	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
Toxaphene	<0.0500		0.0791	0.0500	mg/kg dry	☼	02/03/12 12:25	02/06/12 19:29	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	90		21 - 145				02/03/12 12:25	02/06/12 19:29	1.00
Decachlorobiphenyl	92		25 - 150				02/03/12 12:25	02/06/12 19:29	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0248		0.0393	0.0248	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:51	1.00
PCB-1221	<0.0130		0.0393	0.0130	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:51	1.00
PCB-1232	<0.0189		0.0393	0.0189	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:51	1.00
PCB-1242	<0.0307		0.0393	0.0307	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:51	1.00
PCB-1248	<0.0354		0.0393	0.0354	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:51	1.00
PCB-1254	<0.0130		0.0393	0.0130	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:51	1.00
PCB-1260	<0.0330		0.0393	0.0330	mg/kg dry	☼	01/31/12 09:50	02/01/12 22:51	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	106		19 - 147				01/31/12 09:50	02/01/12 22:51	1.00
Decachlorobiphenyl	128		20 - 150				01/31/12 09:50	02/01/12 22:51	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>2320</b>		23.5	11.8	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
Antimony	<5.88		11.8	5.88	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Arsenic</b>	<b>8.21</b>		1.18	0.588	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Barium</b>	<b>25.7</b>		2.35	1.18	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
Beryllium	<0.588		1.18	0.588	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
Cadmium	<0.588		1.18	0.588	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Calcium</b>	<b>1350</b>		118	58.8	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Chromium</b>	<b>12.7</b>		1.18	0.588	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
Cobalt	<1.76		3.53	1.76	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Copper</b>	<b>1.81</b>	J	2.35	1.18	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Iron</b>	<b>7110</b>		11.8	5.88	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Lead</b>	<b>3.29</b>		1.18	0.588	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Magnesium</b>	<b>178</b>		118	58.8	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Manganese</b>	<b>9.26</b>		3.53	1.76	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Nickel</b>	<b>1.46</b>	J	2.35	1.18	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Potassium</b>	<b>158</b>		118	58.8	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
Selenium	<1.18		2.35	1.18	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Client Sample ID: Tract 44 SB-1 (6-10)

**Lab Sample ID: NWA4733-02**

Date Collected: 01/27/12 10:45

Matrix: Soil

Date Received: 01/28/12 08:20

Percent Solids: 83.1

### Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.588		1.18	0.588	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
Sodium	<118		235	118	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
Thallium	<1.18		2.35	1.18	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Vanadium</b>	<b>10.5</b>	<b>J</b>	11.8	5.88	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00
<b>Zinc</b>	<b>7.45</b>	<b>J</b>	11.8	5.88	mg/kg dry	☼	01/30/12 12:00	02/08/12 19:47	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.058		0.12	0.058	mg/kg dry	☼	02/02/12 13:30	02/03/12 11:51	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>% Dry Solids</b>	<b>83.1</b>		0.500	0.500	%		01/30/12 11:25	01/31/12 09:26	1.00

## Client Sample ID: Tract 44 TW-1 (4-8)

**Lab Sample ID: NWA4733-03**

Date Collected: 01/27/12 11:00

Matrix: Ground Water

Date Received: 01/28/12 08:20

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Benzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Bromoform	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Chloroform	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Tract 44 TW-1 (4-8)**

**Lab Sample ID: NWA4733-03**

**Date Collected: 01/27/12 11:00**

**Matrix: Ground Water**

**Date Received: 01/28/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Styrene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
<b>Toluene</b>	<b>0.520</b>	<b>J</b>	1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/30/12 01:48	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		01/29/12 16:01	01/30/12 01:48	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	111		70 - 130	01/29/12 16:01	01/30/12 01:48	1.00
Dibromofluoromethane	107		70 - 130	01/29/12 16:01	01/30/12 01:48	1.00
Toluene-d8	100		70 - 130	01/29/12 16:01	01/30/12 01:48	1.00
4-Bromofluorobenzene	97		70 - 130	01/29/12 16:01	01/30/12 01:48	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acenaphthene</b>	<b>5.97</b>		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Acenaphthylene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Anthracene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Benzo (a) anthracene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Benzo (a) pyrene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Benzo (b) fluoranthene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Benzo (g,h,i) perylene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Benzo (k) fluoranthene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
4-Bromophenyl phenyl ether	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Butyl benzyl phthalate	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Carbazole	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
4-Chloro-3-methylphenol	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
4-Chloroaniline	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Bis(2-chloroethoxy)methane	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Bis(2-chloroethyl)ether	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Bis(2-chloroisopropyl)ether	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2-Chloronaphthalene	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2-Chlorophenol	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
4-Chlorophenyl phenyl ether	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Chrysene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Dibenz (a,h) anthracene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Dibenzofuran	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Tract 44 TW-1 (4-8)**

**Lab Sample ID: NWA4733-03**

**Date Collected: 01/27/12 11:00**

**Matrix: Ground Water**

**Date Received: 01/28/12 08:20**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
1,4-Dichlorobenzene	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
1,2-Dichlorobenzene	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
1,3-Dichlorobenzene	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
3,3-Dichlorobenzidine	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2,4-Dichlorophenol	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Diethyl phthalate	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2,4-Dimethylphenol	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Dimethyl phthalate	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
4,6-Dinitro-2-methylphenol	<12.4		23.8	12.4	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2,4-Dinitrophenol	<12.4		23.8	12.4	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2,6-Dinitrotoluene	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2,4-Dinitrotoluene	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Di-n-octyl phthalate	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Bis(2-ethylhexyl)phthalate	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
<b>Fluoranthene</b>	<b>1.91</b>		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
<b>Fluorene</b>	<b>3.26</b>		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Hexachlorobenzene	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Hexachlorobutadiene	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Hexachlorocyclopentadiene	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Hexachloroethane	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Indeno (1,2,3-cd) pyrene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Isophorone	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2-Methylnaphthalene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2-Methylphenol	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Naphthalene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
3/4-Methylphenol	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
3-Nitroaniline	<12.4		23.8	12.4	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2-Nitroaniline	<12.4		23.8	12.4	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
4-Nitroaniline	<12.4		23.8	12.4	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Nitrobenzene	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
4-Nitrophenol	<4.76		23.8	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2-Nitrophenol	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
N-Nitrosodiphenylamine	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
N-Nitrosodi-n-propylamine	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Pentachlorophenol	<12.4		23.8	12.4	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
<b>Phenanthrene</b>	<b>1.91</b>		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Phenol	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
Pyrene	<0.952		1.90	0.952	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
1,2,4-Trichlorobenzene	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2,4,6-Trichlorophenol	<4.76		9.52	4.76	ug/L		01/30/12 05:30	01/30/12 22:56	1.00
2,4,5-Trichlorophenol	<12.4		23.8	12.4	ug/L		01/30/12 05:30	01/30/12 22:56	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	66		13 - 120	01/30/12 05:30	01/30/12 22:56	1.00
2,4,6-Tribromophenol	58		10 - 120	01/30/12 05:30	01/30/12 22:56	1.00
Phenol-d5	28		10 - 120	01/30/12 05:30	01/30/12 22:56	1.00
2-Fluorobiphenyl	64		29 - 120	01/30/12 05:30	01/30/12 22:56	1.00
2-Fluorophenol	45		10 - 120	01/30/12 05:30	01/30/12 22:56	1.00
Nitrobenzene-d5	69		27 - 120	01/30/12 05:30	01/30/12 22:56	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Tract 44 TW-1 (4-8)**

**Lab Sample ID: NWA4733-03**

Date Collected: 01/27/12 11:00

Matrix: Ground Water

Date Received: 01/28/12 08:20

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
delta-BHC	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
alpha-BHC	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
beta-BHC	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
gamma-BHC (Lindane)	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
alpha-Chlordane	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
gamma-Chlordane	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
Chlordane	<0.971		1.94	0.971	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
4,4'-DDD	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
4,4'-DDE	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
4,4'-DDT	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
Dieldrin	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
Endosulfan I	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
Endosulfan II	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
Endosulfan sulfate	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
Endrin	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
Endrin aldehyde	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
Endrin ketone	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
Heptachlor	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
Heptachlor epoxide	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
Methoxychlor	<0.0126		0.0243	0.0126	ug/L		01/30/12 16:30	01/31/12 15:48	1.00
Toxaphene	<0.971		1.94	0.971	ug/L		01/30/12 16:30	01/31/12 15:48	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	68		38 - 150	01/30/12 16:30	01/31/12 15:48	1.00
Decachlorobiphenyl	39		10 - 141	01/30/12 16:30	01/31/12 15:48	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 17:13	1.00
PCB-1221	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 17:13	1.00
PCB-1232	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 17:13	1.00
PCB-1242	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 17:13	1.00
PCB-1248	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 17:13	1.00
PCB-1254	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 17:13	1.00
PCB-1260	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 17:13	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	94		17 - 142	01/30/12 06:20	01/30/12 17:13	1.00
Decachlorobiphenyl	62		10 - 149	01/30/12 06:20	01/30/12 17:13	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>46.1</b>		0.100	0.0500	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
<b>Arsenic</b>	<b>0.172</b>		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
<b>Barium</b>	<b>0.597</b>		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
<b>Beryllium</b>	<b>0.00940</b>		0.00400	0.00200	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
<b>Calcium</b>	<b>51.0</b>		1.00	0.500	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
<b>Chromium</b>	<b>0.197</b>		0.00500	0.00250	mg/L		02/01/12 13:10	02/09/12 12:57	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Tract 44 TW-1 (4-8)**

**Lab Sample ID: NWA4733-03**

Date Collected: 01/27/12 11:00

Matrix: Ground Water

Date Received: 01/28/12 08:20

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0525		0.0200	0.0100	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Copper	0.0500		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Iron	155		0.0500	0.0250	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Lead	0.0729		0.00500	0.00250	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Magnesium	16.3		1.00	0.500	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Manganese	1.28		0.0150	0.00750	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Nickel	0.157		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Potassium	7.65		1.00	0.500	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Selenium	0.00590	J	0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Sodium	27.5		1.00	0.500	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Vanadium	0.160		0.0200	0.0100	mg/L		02/01/12 13:10	02/09/12 12:57	1.00
Zinc	0.755		0.0500	0.0250	mg/L		02/01/12 13:10	02/09/12 12:57	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15.6		0.100	0.0500	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Arsenic	0.0910		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Barium	0.195		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Beryllium	0.00700		0.00400	0.00200	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Cadmium	0.000900	J	0.00100	0.000600	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Calcium	53.4		1.00	0.500	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Chromium	0.0332		0.00500	0.00250	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Cobalt	0.0243		0.0200	0.0100	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Copper	0.0352		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Iron	79.4		0.0500	0.0250	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Lead	0.00560		0.00500	0.00250	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Magnesium	12.1		1.00	0.500	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Manganese	1.14		0.0150	0.00750	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Nickel	0.0491		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Potassium	5.22		1.00	0.500	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Sodium	14.7		1.00	0.500	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Vanadium	0.0515		0.0200	0.0100	mg/L		02/06/12 08:00	02/07/12 08:11	1.00
Zinc	0.548		0.0500	0.0250	mg/L		02/06/12 08:00	02/07/12 08:11	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		02/01/12 15:00	02/02/12 14:38	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000179	J B	0.000200	0.000100	mg/L		02/01/12 13:20	02/02/12 12:48	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWA4733-04**

**Date Collected: 01/27/12 00:01**

**Matrix: Water**

**Date Received: 01/28/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Benzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Bromoform	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Chloroform	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Styrene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Toluene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 20:41	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		01/29/12 16:01	01/29/12 20:41	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWA4733-04**

**Date Collected: 01/27/12 00:01**

**Matrix: Water**

**Date Received: 01/28/12 08:20**

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4	109		70 - 130	01/29/12 16:01	01/29/12 20:41	1.00
Dibromofluoromethane	108		70 - 130	01/29/12 16:01	01/29/12 20:41	1.00
Toluene-d8	99		70 - 130	01/29/12 16:01	01/29/12 20:41	1.00
4-Bromofluorobenzene	98		70 - 130	01/29/12 16:01	01/29/12 20:41	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 12A6946-BLK1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Benzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Bromoform	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Chloroform	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,1,2-Trifluoroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Styrene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Toluene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		01/29/12 16:01	01/29/12 18:49	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12A6946-BLK1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<1.50		3.00	1.50	ug/L		01/29/12 16:01	01/29/12 18:49	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	111		70 - 130	01/29/12 16:01	01/29/12 18:49	1.00
Dibromofluoromethane	108		70 - 130	01/29/12 16:01	01/29/12 18:49	1.00
Toluene-d8	99		70 - 130	01/29/12 16:01	01/29/12 18:49	1.00
4-Bromofluorobenzene	96		70 - 130	01/29/12 16:01	01/29/12 18:49	1.00

**Lab Sample ID: 12A6946-BS1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	360		ug/L		144	54 - 145
Benzene	50.0	51.6		ug/L		103	80 - 121
Bromochloromethane	50.0	56.7		ug/L		113	78 - 129
Bromodichloromethane	50.0	50.9		ug/L		102	75 - 129
Bromoform	50.0	46.7		ug/L		93	46 - 145
Bromomethane	50.0	46.1		ug/L		92	41 - 150
2-Butanone	250	282		ug/L		113	62 - 133
Carbon disulfide	50.0	50.0		ug/L		100	77 - 126
Carbon Tetrachloride	50.0	60.4		ug/L		121	64 - 147
Chlorobenzene	50.0	49.8		ug/L		100	80 - 120
Chlorodibromomethane	50.0	54.1		ug/L		108	69 - 133
Chloroethane	50.0	50.0		ug/L		100	72 - 120
Chloroform	50.0	54.6		ug/L		109	73 - 129
Chloromethane	50.0	37.9		ug/L		76	12 - 150
Cyclohexane	50.0	54.2		ug/L		108	73 - 122
1,2-Dibromo-3-chloropropane	50.0	44.5		ug/L		89	54 - 125
1,2-Dibromoethane (EDB)	50.0	50.8		ug/L		102	80 - 129
Methylcyclohexane	50.0	56.3		ug/L		113	71 - 129
1,2-Dichlorobenzene	50.0	49.7		ug/L		99	80 - 121
1,3-Dichlorobenzene	50.0	49.6		ug/L		99	80 - 122
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 120
Dichlorodifluoromethane	50.0	48.5		ug/L		97	37 - 127
1,2-Dichloroethane	50.0	53.7		ug/L		107	77 - 121
1,1-Dichloroethane	50.0	54.5		ug/L		109	78 - 125
1,1-Dichloroethene	50.0	55.8		ug/L		112	79 - 124
trans-1,2-Dichloroethene	50.0	55.3		ug/L		111	79 - 126
1,1,2-Trifluoro-trichloroethane	50.0	57.1		ug/L		114	77 - 129
cis-1,2-Dichloroethene	50.0	54.8		ug/L		110	76 - 125
1,2-Dichloropropane	50.0	49.0		ug/L		98	75 - 120
trans-1,3-Dichloropropene	50.0	51.4		ug/L		103	63 - 134
cis-1,3-Dichloropropene	50.0	52.8		ug/L		106	74 - 140
Ethylbenzene	50.0	50.4		ug/L		101	80 - 130
2-Hexanone	250	274		ug/L		110	60 - 142
Isopropylbenzene	50.0	53.3		ug/L		107	80 - 141
Methyl Acetate	50.0	34.0		ug/L		68	64 - 150
Methyl tert-Butyl Ether	50.0	55.2		ug/L		110	72 - 133

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12A6946-BS1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	50.0	54.6		ug/L		109	79 - 123	
4-Methyl-2-pentanone	250	258		ug/L		103	60 - 137	
Styrene	50.0	49.5		ug/L		99	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	43.9		ug/L		88	69 - 131	
Tetrachloroethene	50.0	56.3		ug/L		113	80 - 126	
Toluene	50.0	50.3		ug/L		101	80 - 126	
1,2,4-Trichlorobenzene	50.0	47.4		ug/L		95	63 - 133	
1,2,3-Trichlorobenzene	50.0	48.1		ug/L		96	62 - 133	
1,1,1-Trichloroethane	50.0	58.2		ug/L		116	78 - 135	
1,1,2-Trichloroethane	50.0	50.0		ug/L		100	80 - 124	
Trichloroethene	50.0	54.2		ug/L		108	80 - 123	
Trichlorofluoromethane	50.0	51.6		ug/L		103	65 - 124	
Vinyl chloride	50.0	47.2		ug/L		94	68 - 120	
Xylenes, total	150	151		ug/L		100	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	104		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	95		70 - 130

**Lab Sample ID: 12A6946-BSD1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Acetone	250	295		ug/L		118	54 - 145	20	21	
Benzene	50.0	50.7		ug/L		101	80 - 121	2	17	
Bromochloromethane	50.0	56.2		ug/L		112	78 - 129	0.9	17	
Bromodichloromethane	50.0	50.1		ug/L		100	75 - 129	2	18	
Bromoform	50.0	46.2		ug/L		92	46 - 145	1	16	
Bromomethane	50.0	45.6		ug/L		91	41 - 150	1	50	
2-Butanone	250	268		ug/L		107	62 - 133	5	19	
Carbon disulfide	50.0	48.7		ug/L		97	77 - 126	3	21	
Carbon Tetrachloride	50.0	59.1		ug/L		118	64 - 147	2	19	
Chlorobenzene	50.0	49.0		ug/L		98	80 - 120	2	14	
Chlorodibromomethane	50.0	53.2		ug/L		106	69 - 133	2	15	
Chloroethane	50.0	47.9		ug/L		96	72 - 120	4	20	
Chloroform	50.0	53.8		ug/L		108	73 - 129	1	18	
Chloromethane	50.0	36.8		ug/L		74	12 - 150	3	31	
Cyclohexane	50.0	53.2		ug/L		106	73 - 122	2	16	
1,2-Dibromo-3-chloropropane	50.0	44.7		ug/L		89	54 - 125	0.5	24	
1,2-Dibromoethane (EDB)	50.0	50.1		ug/L		100	80 - 129	1	15	
Methylcyclohexane	50.0	54.9		ug/L		110	71 - 129	3	19	
1,2-Dichlorobenzene	50.0	48.9		ug/L		98	80 - 121	2	15	
1,3-Dichlorobenzene	50.0	49.1		ug/L		98	80 - 122	1	15	
1,4-Dichlorobenzene	50.0	49.6		ug/L		99	80 - 120	2	15	
Dichlorodifluoromethane	50.0	48.7		ug/L		97	37 - 127	0.5	18	
1,2-Dichloroethane	50.0	52.7		ug/L		105	77 - 121	2	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12A6946-BSD1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,1-Dichloroethane	50.0	53.9		ug/L		108	78 - 125	1	17	
1,1-Dichloroethene	50.0	55.2		ug/L		110	79 - 124	1	17	
trans-1,2-Dichloroethene	50.0	53.8		ug/L		108	79 - 126	3	16	
1,1,2-Trifluorotrchloroethane	50.0	56.1		ug/L		112	77 - 129	2	18	
cis-1,2-Dichloroethene	50.0	53.8		ug/L		108	76 - 125	2	17	
1,2-Dichloropropane	50.0	48.0		ug/L		96	75 - 120	2	17	
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	63 - 134	0.9	14	
cis-1,3-Dichloropropene	50.0	52.0		ug/L		104	74 - 140	1	15	
Ethylbenzene	50.0	49.6		ug/L		99	80 - 130	2	15	
2-Hexanone	250	259		ug/L		104	60 - 142	6	15	
Isopropylbenzene	50.0	52.8		ug/L		106	80 - 141	1	16	
Methyl Acetate	50.0	33.9		ug/L		68	64 - 150	0.2	31	
Methyl tert-Butyl Ether	50.0	55.8		ug/L		112	72 - 133	1	16	
Methylene Chloride	50.0	54.0		ug/L		108	79 - 123	1	17	
4-Methyl-2-pentanone	250	254		ug/L		102	60 - 137	2	17	
Styrene	50.0	48.7		ug/L		97	80 - 127	2	24	
1,1,2,2-Tetrachloroethane	50.0	43.4		ug/L		87	69 - 131	1	20	
Tetrachloroethene	50.0	55.4		ug/L		111	80 - 126	1	16	
Toluene	50.0	49.4		ug/L		99	80 - 126	2	15	
1,2,4-Trichlorobenzene	50.0	47.5		ug/L		95	63 - 133	0.3	19	
1,2,3-Trichlorobenzene	50.0	47.7		ug/L		95	62 - 133	0.9	25	
1,1,1-Trichloroethane	50.0	56.9		ug/L		114	78 - 135	2	17	
1,1,2-Trichloroethane	50.0	49.6		ug/L		99	80 - 124	0.6	15	
Trichloroethene	50.0	52.9		ug/L		106	80 - 123	2	17	
Trichlorofluoromethane	50.0	50.8		ug/L		102	65 - 124	2	18	
Vinyl chloride	50.0	45.7		ug/L		91	68 - 120	3	17	
Xylenes, total	150	149		ug/L		99	80 - 132	1	15	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	102		70 - 130
Dibromofluoromethane	111		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	95		70 - 130

**Lab Sample ID: 12A6946-MS1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	<250		2500	3010		ug/L		121	45 - 141	
Benzene	<5.00		500	556		ug/L		111	75 - 133	
Bromochloromethane	<5.00		500	588		ug/L		118	67 - 139	
Bromodichloromethane	<5.00		500	521		ug/L		104	70 - 140	
Bromoform	<5.00		500	424		ug/L		85	42 - 147	
Bromomethane	<5.00		500	434		ug/L		87	16 - 163	
2-Butanone	<250		2500	2660		ug/L		107	50 - 138	
Carbon disulfide	<5.00		500	530		ug/L		106	48 - 152	
Carbon Tetrachloride	<5.00		500	655		ug/L		131	62 - 164	
Chlorobenzene	<5.00		500	523		ug/L		105	80 - 129	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12A6946-MS1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlorodibromomethane	<5.00		500	525		ug/L		105	66 - 140
Chloroethane	<5.00		500	538		ug/L		108	58 - 137
Chloroform	<5.00		500	585		ug/L		117	66 - 138
Chloromethane	<5.00		500	377		ug/L		75	10 - 169
Cyclohexane	<25.0		500	601		ug/L		120	58 - 144
1,2-Dibromo-3-chloropropane	<50.0		500	356		ug/L		71	52 - 126
1,2-Dibromoethane (EDB)	<5.00		500	508		ug/L		102	75 - 137
Methylcyclohexane	<25.0		500	597		ug/L		119	59 - 151
1,2-Dichlorobenzene	<5.00		500	514		ug/L		103	79 - 128
1,3-Dichlorobenzene	<5.00		500	514		ug/L		103	77 - 131
1,4-Dichlorobenzene	<5.00		500	520		ug/L		104	78 - 126
Dichlorodifluoromethane	<6.00		500	493		ug/L		99	40 - 127
1,2-Dichloroethane	<5.00		500	579		ug/L		116	64 - 136
1,1-Dichloroethane	<5.00		500	603		ug/L		121	71 - 139
1,1-Dichloroethene	<5.00		500	606		ug/L		121	70 - 142
trans-1,2-Dichloroethene	<5.00		500	599		ug/L		120	66 - 143
1,1,2-Trifluorotrchloroethane	<5.00		500	630		ug/L		126	72 - 148
cis-1,2-Dichloroethene	14.0		500	596		ug/L		116	68 - 138
1,2-Dichloropropane	<5.00		500	529		ug/L		106	67 - 131
trans-1,3-Dichloropropene	<5.00		500	498		ug/L		100	59 - 135
cis-1,3-Dichloropropene	<5.00		500	528		ug/L		106	71 - 141
Ethylbenzene	<5.00		500	540		ug/L		108	79 - 139
2-Hexanone	<50.0		2500	2650		ug/L		106	50 - 150
Isopropylbenzene	<5.00		500	562		ug/L		112	80 - 153
Methyl Acetate	<50.0		500	366		ug/L		73	30 - 165
Methyl tert-Butyl Ether	<5.00		500	532		ug/L		106	66 - 141
Methylene Chloride	<25.0		500	569		ug/L		114	64 - 139
4-Methyl-2-pentanone	<50.0		2500	2610		ug/L		105	50 - 147
Styrene	<5.00		500	521		ug/L		104	61 - 148
1,1,2,2-Tetrachloroethane	<5.00		500	447		ug/L		89	56 - 143
Tetrachloroethene	<5.00		500	595		ug/L		119	72 - 145
Toluene	<5.00		500	542		ug/L		108	75 - 136
1,2,4-Trichlorobenzene	<5.00		500	431		ug/L		86	60 - 136
1,2,3-Trichlorobenzene	<5.00		500	426		ug/L		85	55 - 138
1,1,1-Trichloroethane	<5.00		500	625		ug/L		125	76 - 149
1,1,2-Trichloroethane	<5.00		500	516		ug/L		103	74 - 134
Trichloroethene	6.60		500	574		ug/L		113	73 - 144
Trichlorofluoromethane	<5.00		500	569		ug/L		114	58 - 139
Vinyl chloride	<5.00		500	487		ug/L		97	56 - 129
Xylenes, total	<15.0		1500	1630		ug/L		109	74 - 141

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	107		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8	101		70 - 130
4-Bromofluorobenzene	94		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12A6946-MSD1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD Limit
	Result			Result	Qualifier							
Acetone	<250		2500	2880		ug/L		115	45 - 141	5	21	
Benzene	<5.00		500	527		ug/L		105	75 - 133	5	17	
Bromochloromethane	<5.00		500	560		ug/L		112	67 - 139	5	17	
Bromodichloromethane	<5.00		500	495		ug/L		99	70 - 140	5	18	
Bromoform	<5.00		500	409		ug/L		82	42 - 147	4	16	
Bromomethane	<5.00		500	455		ug/L		91	16 - 163	5	50	
2-Butanone	<250		2500	2620		ug/L		105	50 - 138	2	19	
Carbon disulfide	<5.00		500	484		ug/L		97	48 - 152	9	21	
Carbon Tetrachloride	<5.00		500	599		ug/L		120	62 - 164	9	19	
Chlorobenzene	<5.00		500	476		ug/L		95	80 - 129	9	14	
Chlorodibromomethane	<5.00		500	503		ug/L		101	66 - 140	4	15	
Chloroethane	<5.00		500	513		ug/L		103	58 - 137	5	20	
Chloroform	<5.00		500	559		ug/L		112	66 - 138	5	18	
Chloromethane	<5.00		500	366		ug/L		73	10 - 169	3	31	
Cyclohexane	<25.0		500	479	R2	ug/L		96	58 - 144	23	16	
1,2-Dibromo-3-chloropropane	<50.0		500	351		ug/L		70	52 - 126	1	24	
1,2-Dibromoethane (EDB)	<5.00		500	490		ug/L		98	75 - 137	4	15	
Methylcyclohexane	<25.0		500	372	R2	ug/L		74	59 - 151	46	19	
1,2-Dichlorobenzene	<5.00		500	428	R2	ug/L		86	79 - 128	18	15	
1,3-Dichlorobenzene	<5.00		500	411	R2	ug/L		82	77 - 131	22	15	
1,4-Dichlorobenzene	<5.00		500	425	R2	ug/L		85	78 - 126	20	15	
Dichlorodifluoromethane	<6.00		500	478		ug/L		96	40 - 127	3	18	
1,2-Dichloroethane	<5.00		500	556		ug/L		111	64 - 136	4	17	
1,1-Dichloroethane	<5.00		500	574		ug/L		115	71 - 139	5	17	
1,1-Dichloroethene	<5.00		500	569		ug/L		114	70 - 142	6	17	
trans-1,2-Dichloroethene	<5.00		500	556		ug/L		111	66 - 143	7	16	
1,1,2-Trifluorotrchloroethane	<5.00		500	564		ug/L		113	72 - 148	11	18	
cis-1,2-Dichloroethene	14.0		500	563		ug/L		110	68 - 138	6	17	
1,2-Dichloropropane	<5.00		500	500		ug/L		100	67 - 131	6	17	
trans-1,3-Dichloropropene	<5.00		500	468		ug/L		94	59 - 135	6	14	
cis-1,3-Dichloropropene	<5.00		500	502		ug/L		100	71 - 141	5	15	
Ethylbenzene	<5.00		500	475		ug/L		95	79 - 139	13	15	
2-Hexanone	<50.0		2500	2610		ug/L		104	50 - 150	2	15	
Isopropylbenzene	<5.00		500	454	R2	ug/L		91	80 - 153	21	16	
Methyl Acetate	<50.0		500	396		ug/L		79	30 - 165	8	31	
Methyl tert-Butyl Ether	<5.00		500	514		ug/L		103	66 - 141	3	16	
Methylene Chloride	<25.0		500	555		ug/L		111	64 - 139	2	17	
4-Methyl-2-pentanone	<50.0		2500	2600		ug/L		104	50 - 147	0.6	17	
Styrene	<5.00		500	461		ug/L		92	61 - 148	12	24	
1,1,2,2-Tetrachloroethane	<5.00		500	434		ug/L		87	56 - 143	3	20	
Tetrachloroethene	<5.00		500	512		ug/L		102	72 - 145	15	16	
Toluene	<5.00		500	502		ug/L		100	75 - 136	8	15	
1,2,4-Trichlorobenzene	<5.00		500	274	R2	ug/L		55	60 - 136	45	19	
1,2,3-Trichlorobenzene	<5.00		500	292	R2	ug/L		58	55 - 138	37	25	
1,1,1-Trichloroethane	<5.00		500	588		ug/L		118	76 - 149	6	17	
1,1,2-Trichloroethane	<5.00		500	505		ug/L		101	74 - 134	2	15	
Trichloroethene	6.60		500	536		ug/L		106	73 - 144	7	17	
Trichlorofluoromethane	<5.00		500	550		ug/L		110	58 - 139	3	18	
Vinyl chloride	<5.00		500	469		ug/L		94	56 - 129	4	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12A6946-MSD1**

**Matrix: Water**

**Analysis Batch: V001573**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12A6946\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	<15.0		1500	1430		ug/L		95	74 - 141	13	15
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1,2-Dichloroethane-d4	106		70 - 130								
Dibromofluoromethane	111		70 - 130								
Toluene-d8	100		70 - 130								
4-Bromofluorobenzene	95		70 - 130								

**Lab Sample ID: 12B0689-BLK1**

**Matrix: Soil**

**Analysis Batch: V002114**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B0689\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,1,2-Trifluoroethane	<0.00110		0.00200	0.00110	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B0689-BLK1**

**Matrix: Soil**

**Analysis Batch: V002114**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B0689\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.00782	J	0.0100	0.00500	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		02/02/12 11:54	02/02/12 15:09	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	99		70 - 130	02/02/12 11:54	02/02/12 15:09	1.00
Dibromofluoromethane	95		70 - 130	02/02/12 11:54	02/02/12 15:09	1.00
Toluene-d8	104		70 - 130	02/02/12 11:54	02/02/12 15:09	1.00
4-Bromofluorobenzene	105		70 - 130	02/02/12 11:54	02/02/12 15:09	1.00

**Lab Sample ID: 12B0689-BLK2**

**Matrix: Soil**

**Analysis Batch: V002114**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B0689\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B0689-BLK2**

**Matrix: Soil**

**Analysis Batch: V002114**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B0689\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,1,2-Trifluorotrchloroethane	<0.0550		0.100	0.0550	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Methyl Acetate	<0.250		0.500	0.250	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		02/02/12 11:54	02/02/12 15:37	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	86		70 - 130	02/02/12 11:54	02/02/12 15:37	50.0
Dibromofluoromethane	86		70 - 130	02/02/12 11:54	02/02/12 15:37	50.0
Toluene-d8	112		70 - 130	02/02/12 11:54	02/02/12 15:37	50.0
4-Bromofluorobenzene	111		70 - 130	02/02/12 11:54	02/02/12 15:37	50.0

**Lab Sample ID: 12B0689-BS1**

**Matrix: Soil**

**Analysis Batch: V002114**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12B0689\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	229		ug/kg		92	51 - 149
Benzene	50.0	49.4		ug/kg		99	75 - 127
Bromochloromethane	50.0	46.9		ug/kg		94	70 - 132
Bromodichloromethane	50.0	45.3		ug/kg		91	68 - 135
Bromoform	50.0	49.3		ug/kg		99	36 - 150
Bromomethane	50.0	49.7		ug/kg		99	43 - 142
2-Butanone	250	234		ug/kg		93	61 - 132
Carbon disulfide	50.0	46.0		ug/kg		92	74 - 135
Carbon Tetrachloride	50.0	46.0		ug/kg		92	70 - 141
Chlorobenzene	50.0	52.2		ug/kg		104	84 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B0689-BS1**

**Matrix: Soil**

**Analysis Batch: V002114**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12B0689\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Chlorodibromomethane	50.0	51.8		ug/kg		104	66 - 134
Chloroethane	50.0	46.4		ug/kg		93	53 - 144
Chloroform	50.0	47.5		ug/kg		95	76 - 130
Chloromethane	50.0	37.4		ug/kg		75	23 - 150
Cyclohexane	50.0	51.4		ug/kg		103	70 - 133
1,2-Dibromo-3-chloropropane	50.0	51.3		ug/kg		103	49 - 142
1,2-Dibromoethane (EDB)	50.0	52.8		ug/kg		106	80 - 135
Methylcyclohexane	50.0	50.5		ug/kg		101	69 - 140
1,2-Dichlorobenzene	50.0	54.3		ug/kg		109	80 - 134
1,3-Dichlorobenzene	50.0	55.2		ug/kg		110	79 - 137
1,4-Dichlorobenzene	50.0	55.1		ug/kg		110	77 - 139
Dichlorodifluoromethane	50.0	38.2		ug/kg		76	12 - 144
1,2-Dichloroethane	50.0	45.3		ug/kg		91	65 - 134
1,1-Dichloroethane	50.0	49.0		ug/kg		98	75 - 124
1,1-Dichloroethene	50.0	45.6		ug/kg		91	75 - 131
trans-1,2-Dichloroethene	50.0	47.7		ug/kg		95	76 - 128
1,1,2-Trifluorotrchloroethane	50.0	49.3		ug/kg		99	67 - 136
cis-1,2-Dichloroethene	50.0	48.4		ug/kg		97	75 - 125
1,2-Dichloropropane	50.0	46.8		ug/kg		94	69 - 120
trans-1,3-Dichloropropene	50.0	49.0		ug/kg		98	62 - 139
cis-1,3-Dichloropropene	50.0	55.1		ug/kg		110	73 - 148
Ethylbenzene	50.0	53.6		ug/kg		107	80 - 134
2-Hexanone	250	272		ug/kg		109	57 - 148
Isopropylbenzene	50.0	57.0		ug/kg		114	80 - 150
Methyl Acetate	50.0	36.5		ug/kg		73	11 - 170
Methyl tert-Butyl Ether	50.0	48.9		ug/kg		98	70 - 136
Methylene Chloride	50.0	47.9	B	ug/kg		96	68 - 144
4-Methyl-2-pentanone	250	270		ug/kg		108	59 - 138
Styrene	50.0	54.9		ug/kg		110	82 - 137
1,1,2,2-Tetrachloroethane	50.0	57.2		ug/kg		114	66 - 134
Tetrachloroethene	50.0	51.8		ug/kg		104	78 - 140
Toluene	50.0	53.2		ug/kg		106	80 - 132
1,2,4-Trichlorobenzene	50.0	56.0		ug/kg		112	62 - 150
1,2,3-Trichlorobenzene	50.0	54.3		ug/kg		109	70 - 150
1,1,1-Trichloroethane	50.0	46.4		ug/kg		93	72 - 140
1,1,2-Trichloroethane	50.0	52.3		ug/kg		105	78 - 128
Trichloroethene	50.0	45.8		ug/kg		92	77 - 127
Trichlorofluoromethane	50.0	40.4		ug/kg		81	50 - 140
Vinyl chloride	50.0	47.7		ug/kg		95	47 - 136
Xylenes, total	150	159		ug/kg		106	80 - 137

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	95		70 - 130
Dibromofluoromethane	92		70 - 130
Toluene-d8	106		70 - 130
4-Bromofluorobenzene	104		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B0689-BSD1**

**Matrix: Soil**

**Analysis Batch: V002114**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12B0689\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD
									Limit
Acetone	250	243		ug/kg		97	51 - 149	6	50
Benzene	50.0	52.2		ug/kg		104	75 - 127	6	50
Bromochloromethane	50.0	50.1		ug/kg		100	70 - 132	7	50
Bromodichloromethane	50.0	48.6		ug/kg		97	68 - 135	7	50
Bromoform	50.0	50.8		ug/kg		102	36 - 150	3	50
Bromomethane	50.0	52.6		ug/kg		105	43 - 142	6	50
2-Butanone	250	253		ug/kg		101	61 - 132	8	50
Carbon disulfide	50.0	48.7		ug/kg		97	74 - 135	6	50
Carbon Tetrachloride	50.0	48.9		ug/kg		98	70 - 141	6	50
Chlorobenzene	50.0	53.0		ug/kg		106	84 - 125	1	50
Chlorodibromomethane	50.0	53.0		ug/kg		106	66 - 134	2	50
Chloroethane	50.0	49.8		ug/kg		100	53 - 144	7	50
Chloroform	50.0	50.6		ug/kg		101	76 - 130	6	49
Chloromethane	50.0	40.7		ug/kg		81	23 - 150	8	50
Cyclohexane	50.0	53.5		ug/kg		107	70 - 133	4	50
1,2-Dibromo-3-chloropropane	50.0	51.1		ug/kg		102	49 - 142	0.4	50
1,2-Dibromoethane (EDB)	50.0	53.4		ug/kg		107	80 - 135	1	50
Methylcyclohexane	50.0	52.2		ug/kg		104	69 - 140	3	50
1,2-Dichlorobenzene	50.0	54.0		ug/kg		108	80 - 134	0.7	50
1,3-Dichlorobenzene	50.0	53.9		ug/kg		108	79 - 137	2	50
1,4-Dichlorobenzene	50.0	54.0		ug/kg		108	77 - 139	2	50
Dichlorodifluoromethane	50.0	38.2		ug/kg		76	12 - 144	0.2	50
1,2-Dichloroethane	50.0	48.3		ug/kg		97	65 - 134	6	50
1,1-Dichloroethane	50.0	51.3		ug/kg		103	75 - 124	5	50
1,1-Dichloroethene	50.0	48.1		ug/kg		96	75 - 131	5	50
trans-1,2-Dichloroethene	50.0	50.6		ug/kg		101	76 - 128	6	50
1,1,2-Trifluorotrchloroethane	50.0	50.2		ug/kg		100	67 - 136	2	50
cis-1,2-Dichloroethene	50.0	51.1		ug/kg		102	75 - 125	5	50
1,2-Dichloropropane	50.0	49.2		ug/kg		98	69 - 120	5	50
trans-1,3-Dichloropropene	50.0	53.3		ug/kg		107	62 - 139	8	50
cis-1,3-Dichloropropene	50.0	57.6		ug/kg		115	73 - 148	4	50
Ethylbenzene	50.0	54.5		ug/kg		109	80 - 134	2	50
2-Hexanone	250	285		ug/kg		114	57 - 148	4	50
Isopropylbenzene	50.0	58.0		ug/kg		116	80 - 150	2	50
Methyl Acetate	50.0	37.8		ug/kg		76	11 - 170	4	50
Methyl tert-Butyl Ether	50.0	51.8		ug/kg		104	70 - 136	6	50
Methylene Chloride	50.0	51.0	B	ug/kg		102	68 - 144	6	50
4-Methyl-2-pentanone	250	282		ug/kg		113	59 - 138	4	50
Styrene	50.0	56.2		ug/kg		112	82 - 137	2	50
1,1,1,2-Tetrachloroethane	50.0	58.3		ug/kg		117	66 - 134	2	50
Tetrachloroethene	50.0	52.4		ug/kg		105	78 - 140	1	50
Toluene	50.0	54.8		ug/kg		110	80 - 132	3	50
1,2,4-Trichlorobenzene	50.0	54.8		ug/kg		110	62 - 150	2	50
1,2,3-Trichlorobenzene	50.0	53.5		ug/kg		107	70 - 150	2	50
1,1,1-Trichloroethane	50.0	49.2		ug/kg		98	72 - 140	6	50
1,1,2-Trichloroethane	50.0	54.8		ug/kg		110	78 - 128	5	50
Trichloroethene	50.0	48.6		ug/kg		97	77 - 127	6	50
Trichlorofluoromethane	50.0	42.9		ug/kg		86	50 - 140	6	50
Vinyl chloride	50.0	50.3		ug/kg		101	47 - 136	5	50

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B0689-BSD1**

**Matrix: Soil**

**Analysis Batch: V002114**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12B0689\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	150	162		ug/kg		108	80 - 137	2	50
<b>Surrogate</b>	<b>LCS Dup %Recovery</b>	<b>LCS Dup Qualifier</b>	<b>Limits</b>						
1,2-Dichloroethane-d4	102		70 - 130						
Dibromofluoromethane	98		70 - 130						
Toluene-d8	107		70 - 130						
4-Bromofluorobenzene	105		70 - 130						

**Lab Sample ID: 12B0689-MS1**

**Matrix: Soil**

**Analysis Batch: V002114**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12B0689\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<1.24		12.4	12.4		mg/kg wet		100	19 - 175
Benzene	<0.0546		2.48	2.72		mg/kg wet		110	31 - 143
Bromochloromethane	<0.0595		2.48	2.49		mg/kg wet		101	31 - 141
Bromodichloromethane	<0.0496		2.48	2.40		mg/kg wet		97	19 - 148
Bromoform	<0.0496		2.48	2.47		mg/kg wet		100	10 - 165
Bromomethane	<0.0595		2.48	2.72		mg/kg wet		110	10 - 164
2-Butanone	<1.24		12.4	11.2		mg/kg wet		91	18 - 153
Carbon disulfide	<0.179		2.48	2.03		mg/kg wet		82	32 - 144
Carbon Tetrachloride	<0.0496		2.48	2.45		mg/kg wet		99	31 - 149
Chlorobenzene	<0.0546		2.48	2.96		mg/kg wet		119	25 - 152
Chlorodibromomethane	<0.0496		2.48	2.72		mg/kg wet		110	14 - 146
Chloroethane	<0.124		2.48	2.64		mg/kg wet		106	10 - 151
Chloroform	<0.0645		2.48	2.59		mg/kg wet		104	34 - 160
Chloromethane	<0.0546		2.48	2.17		mg/kg wet		87	10 - 156
Cyclohexane	<0.248		2.48	2.94		mg/kg wet		118	32 - 158
1,2-Dibromo-3-chloropropane	<0.124		2.48	2.36		mg/kg wet		95	10 - 147
1,2-Dibromoethane (EDB)	<0.0496		2.48	2.77		mg/kg wet		112	18 - 156
Methylcyclohexane	<0.248		2.48	2.98		mg/kg wet		120	29 - 167
1,2-Dichlorobenzene	<0.0496		2.48	3.06		mg/kg wet		123	10 - 160
1,3-Dichlorobenzene	<0.0595		2.48	3.14		mg/kg wet		126	10 - 162
1,4-Dichlorobenzene	<0.0546		2.48	3.17		mg/kg wet		128	11 - 159
Dichlorodifluoromethane	<0.0694		2.48	1.04		mg/kg wet		42	10 - 143
1,2-Dichloroethane	<0.0546		2.48	2.41		mg/kg wet		97	28 - 138
1,1-Dichloroethane	<0.0645		2.48	2.63		mg/kg wet		106	42 - 136
1,1-Dichloroethene	<0.0595		2.48	2.01		mg/kg wet		81	41 - 143
trans-1,2-Dichloroethene	<0.0645		2.48	2.51		mg/kg wet		101	39 - 140
1,1,2-Trifluoroethane	<0.0546		2.48	2.25		mg/kg wet		91	42 - 147
cis-1,2-Dichloroethene	<0.0546		2.48	2.63		mg/kg wet		106	36 - 139
1,2-Dichloropropane	<0.0496		2.48	2.54		mg/kg wet		102	20 - 146
trans-1,3-Dichloropropene	<0.0496		2.48	2.62		mg/kg wet		106	10 - 157
cis-1,3-Dichloropropene	<0.0496		2.48	3.11		mg/kg wet		125	15 - 166
Ethylbenzene	<0.0546		2.48	3.10		mg/kg wet		125	23 - 161
2-Hexanone	<1.24		12.4	12.9		mg/kg wet		104	10 - 169
Isopropylbenzene	<0.0546		2.48	3.27		mg/kg wet		132	23 - 181
Methyl Acetate	<0.248		2.48	1.95		mg/kg wet		79	10 - 200
Methyl tert-Butyl Ether	<0.0496		2.48	2.42		mg/kg wet		98	28 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B0689-MS1**

**Matrix: Soil**

**Analysis Batch: V002114**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12B0689\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Methylene Chloride	0.554		2.48	2.60	B	mg/kg wet		83	24 - 182	
4-Methyl-2-pentanone	<1.24		12.4	13.0		mg/kg wet		105	10 - 168	
Styrene	<0.0546		2.48	3.14		mg/kg wet		126	10 - 165	
1,1,2,2-Tetrachloroethane	<0.0496		2.48	2.89		mg/kg wet		116	10 - 162	
Tetrachloroethene	<0.0645		2.48	3.07		mg/kg wet		124	33 - 161	
Toluene	0.0605		2.48	3.05		mg/kg wet		121	30 - 155	
1,2,4-Trichlorobenzene	<0.0595		2.48	3.22		mg/kg wet		130	10 - 167	
1,2,3-Trichlorobenzene	<0.0546		2.48	3.06		mg/kg wet		123	10 - 157	
1,1,1-Trichloroethane	<0.0496		2.48	2.50		mg/kg wet		101	35 - 149	
1,1,2-Trichloroethane	<0.124		2.48	2.87		mg/kg wet		116	19 - 157	
Trichloroethene	<0.0496		2.48	2.56		mg/kg wet		103	27 - 153	
Trichlorofluoromethane	<0.0496		2.48	2.38		mg/kg wet		96	25 - 137	
Vinyl chloride	<0.0496		2.48	2.76		mg/kg wet		111	20 - 141	
Xylenes, total	0.150		7.44	9.27		mg/kg wet		123	25 - 162	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
1,2-Dichloroethane-d4	90		70 - 130
Dibromofluoromethane	89		70 - 130
Toluene-d8	107		70 - 130
4-Bromofluorobenzene	104		70 - 130

**Lab Sample ID: 12B0689-MSD1**

**Matrix: Soil**

**Analysis Batch: V002114**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12B0689\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						Limit	
Acetone	<1.24		12.4	9.38		mg/kg wet		76	19 - 175	28	50	
Benzene	<0.0546		2.48	2.18		mg/kg wet		88	31 - 143	22	50	
Bromochloromethane	<0.0595		2.48	2.01		mg/kg wet		81	31 - 141	21	50	
Bromodichloromethane	<0.0496		2.48	1.93		mg/kg wet		78	19 - 148	22	50	
Bromoform	<0.0496		2.48	1.96		mg/kg wet		79	10 - 165	23	50	
Bromomethane	<0.0595		2.48	2.24		mg/kg wet		90	10 - 164	19	50	
2-Butanone	<1.24		12.4	9.90		mg/kg wet		80	18 - 153	13	50	
Carbon disulfide	<0.179		2.48	1.61		mg/kg wet		65	32 - 144	23	50	
Carbon Tetrachloride	<0.0496		2.48	1.98		mg/kg wet		80	31 - 149	21	50	
Chlorobenzene	<0.0546		2.48	2.32		mg/kg wet		93	25 - 152	24	50	
Chlorodibromomethane	<0.0496		2.48	2.14		mg/kg wet		86	14 - 146	24	50	
Chloroethane	<0.124		2.48	2.13		mg/kg wet		86	10 - 151	21	50	
Chloroform	<0.0645		2.48	2.10		mg/kg wet		85	34 - 160	21	49	
Chloromethane	<0.0546		2.48	1.74		mg/kg wet		70	10 - 156	22	50	
Cyclohexane	<0.248		2.48	2.37		mg/kg wet		95	32 - 158	21	50	
1,2-Dibromo-3-chloropropane	<0.124		2.48	1.92		mg/kg wet		77	10 - 147	21	50	
1,2-Dibromoethane (EDB)	<0.0496		2.48	2.21		mg/kg wet		89	18 - 156	22	50	
Methylcyclohexane	<0.248		2.48	2.39		mg/kg wet		96	29 - 167	22	50	
1,2-Dichlorobenzene	<0.0496		2.48	2.39		mg/kg wet		96	10 - 160	25	50	
1,3-Dichlorobenzene	<0.0595		2.48	2.43		mg/kg wet		98	10 - 162	25	50	
1,4-Dichlorobenzene	<0.0546		2.48	2.45		mg/kg wet		99	11 - 159	26	50	
Dichlorodifluoromethane	<0.0694		2.48	0.937		mg/kg wet		38	10 - 143	10	50	
1,2-Dichloroethane	<0.0546		2.48	2.02		mg/kg wet		82	28 - 138	17	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 12B0689-MSD1

Matrix: Soil

Analysis Batch: V002114

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 12B0689\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,1-Dichloroethane	<0.0645		2.48	2.15		mg/kg wet		87	42 - 136	20	50
1,1-Dichloroethene	<0.0595		2.48	1.62		mg/kg wet		65	41 - 143	22	50
trans-1,2-Dichloroethene	<0.0645		2.48	2.05		mg/kg wet		83	39 - 140	20	50
1,1,2-Trifluorotrchloroethane	<0.0546		2.48	1.82		mg/kg wet		74	42 - 147	21	50
cis-1,2-Dichloroethene	<0.0546		2.48	2.13		mg/kg wet		86	36 - 139	21	50
1,2-Dichloropropane	<0.0496		2.48	2.06		mg/kg wet		83	20 - 146	21	50
trans-1,3-Dichloropropene	<0.0496		2.48	2.03		mg/kg wet		82	10 - 157	25	50
cis-1,3-Dichloropropene	<0.0496		2.48	2.44		mg/kg wet		98	15 - 166	24	50
Ethylbenzene	<0.0546		2.48	2.40		mg/kg wet		97	23 - 161	25	50
2-Hexanone	<1.24		12.4	10.4		mg/kg wet		84	10 - 169	22	50
Isopropylbenzene	<0.0546		2.48	2.54		mg/kg wet		102	23 - 181	25	50
Methyl Acetate	<0.248		2.48	1.67		mg/kg wet		67	10 - 200	15	50
Methyl tert-Butyl Ether	<0.0496		2.48	2.04		mg/kg wet		82	28 - 141	17	50
Methylene Chloride	0.554		2.48	2.21	B	mg/kg wet		67	24 - 182	16	50
4-Methyl-2-pentanone	<1.24		12.4	10.7		mg/kg wet		86	10 - 168	20	50
Styrene	<0.0546		2.48	2.44		mg/kg wet		98	10 - 165	25	50
1,1,2,2-Tetrachloroethane	<0.0496		2.48	2.31		mg/kg wet		93	10 - 162	22	50
Tetrachloroethene	<0.0645		2.48	2.37		mg/kg wet		96	33 - 161	26	50
Toluene	0.0605		2.48	2.40		mg/kg wet		94	30 - 155	24	50
1,2,4-Trichlorobenzene	<0.0595		2.48	2.52		mg/kg wet		102	10 - 167	24	50
1,2,3-Trichlorobenzene	<0.0546		2.48	2.43		mg/kg wet		98	10 - 157	23	50
1,1,1-Trichloroethane	<0.0496		2.48	2.01		mg/kg wet		81	35 - 149	22	50
1,1,2-Trichloroethane	<0.124		2.48	2.26		mg/kg wet		91	19 - 157	24	50
Trichloroethene	<0.0496		2.48	2.00		mg/kg wet		81	27 - 153	24	50
Trichlorofluoromethane	<0.0496		2.48	1.91		mg/kg wet		77	25 - 137	22	50
Vinyl chloride	<0.0496		2.48	2.23		mg/kg wet		90	20 - 141	21	50
Xylenes, total	0.150		7.44	7.25		mg/kg wet		95	25 - 162	24	50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
1,2-Dichloroethane-d4	93		70 - 130
Dibromofluoromethane	92		70 - 130
Toluene-d8	107		70 - 130
4-Bromofluorobenzene	103		70 - 130

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

Lab Sample ID: 12A7201-BLK1

Matrix: Soil

Analysis Batch: 12A7201

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 12A7201\_P

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12A7201-BLK1

Matrix: Soil

Analysis Batch: 12A7201

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 12A7201\_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7201-BLK1**

**Matrix: Soil**

**Analysis Batch: 12A7201**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7201\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		02/03/12 12:15	02/03/12 19:42	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	76		18 - 120	02/03/12 12:15	02/03/12 19:42	1.00
2,4,6-Tribromophenol	50		19 - 120	02/03/12 12:15	02/03/12 19:42	1.00
Phenol-d5	58		18 - 120	02/03/12 12:15	02/03/12 19:42	1.00
2-Fluorobiphenyl	57		14 - 120	02/03/12 12:15	02/03/12 19:42	1.00
2-Fluorophenol	58		17 - 120	02/03/12 12:15	02/03/12 19:42	1.00
Nitrobenzene-d5	58		17 - 120	02/03/12 12:15	02/03/12 19:42	1.00

**Lab Sample ID: 12A7201-BS1**

**Matrix: Soil**

**Analysis Batch: 12A7201**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7201\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	0.974		mg/kg wet		58	36 - 120
Acenaphthylene	1.67	0.835		mg/kg wet		50	38 - 120
Anthracene	1.67	0.998		mg/kg wet		60	46 - 124
Benzo (a) anthracene	1.67	1.01		mg/kg wet		61	45 - 120
Benzo (a) pyrene	1.67	1.03		mg/kg wet		62	45 - 120
Benzo (b) fluoranthene	1.67	0.956		mg/kg wet		57	42 - 120
Benzo (g,h,i) perylene	1.67	1.02		mg/kg wet		61	38 - 120
Benzo (k) fluoranthene	1.67	0.901		mg/kg wet		54	42 - 120
4-Bromophenyl phenyl ether	1.67	0.992		mg/kg wet		59	40 - 120
Butyl benzyi phthalate	1.67	1.04		mg/kg wet		62	43 - 133
Carbazole	1.67	1.03		mg/kg wet		62	44 - 120
4-Chloro-3-methylphenol	1.67	0.915		mg/kg wet		55	38 - 120
4-Chloroaniline	1.67	0.935		mg/kg wet		56	35 - 120
Bis(2-chloroethoxy)methane	1.67	0.913		mg/kg wet		55	32 - 120
Bis(2-chloroethyl)ether	1.67	0.948		mg/kg wet		57	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.03		mg/kg wet		62	32 - 120
2-Chloronaphthalene	1.67	0.805		mg/kg wet		48	34 - 120
2-Chlorophenol	1.67	0.959		mg/kg wet		58	32 - 120
4-Chlorophenyl phenyl ether	1.67	0.963		mg/kg wet		58	42 - 120
Chrysene	1.67	1.01		mg/kg wet		61	43 - 120
Dibenz (a,h) anthracene	1.67	0.997		mg/kg wet		60	32 - 128
Dibenzofuran	1.67	1.03		mg/kg wet		62	41 - 120
Di-n-butyl phthalate	1.67	0.987		mg/kg wet		59	46 - 127
1,4-Dichlorobenzene	1.67	0.769		mg/kg wet		46	32 - 120
1,2-Dichlorobenzene	1.67	0.790		mg/kg wet		47	33 - 120
1,3-Dichlorobenzene	1.67	0.767		mg/kg wet		46	32 - 120
3,3-Dichlorobenzidine	1.67	0.984		mg/kg wet		59	39 - 120
2,4-Dichlorophenol	1.67	0.899		mg/kg wet		54	32 - 120
Diethyl phthalate	1.67	0.980		mg/kg wet		59	41 - 122



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12A7201-BS1

Matrix: Soil

Analysis Batch: 12A7201

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 12A7201\_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
2,4-Dimethylphenol	1.67	0.944		mg/kg wet		57	32 - 120
Dimethyl phthalate	1.67	0.985		mg/kg wet		59	55 - 120
4,6-Dinitro-2-methylphenol	1.67	0.974		mg/kg wet		58	27 - 134
2,4-Dinitrophenol	1.67	1.04		mg/kg wet		62	23 - 142
2,6-Dinitrotoluene	1.67	0.884		mg/kg wet		53	43 - 120
2,4-Dinitrotoluene	1.67	0.866		mg/kg wet		52	43 - 120
Di-n-octyl phthalate	1.67	1.03		mg/kg wet		62	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	1.07		mg/kg wet		64	43 - 120
Fluoranthene	1.67	1.02		mg/kg wet		61	46 - 120
Fluorene	1.67	0.981		mg/kg wet		59	42 - 120
Hexachlorobenzene	1.67	1.04		mg/kg wet		63	44 - 120
Hexachlorobutadiene	1.67	0.950		mg/kg wet		57	31 - 120
Hexachlorocyclopentadiene	1.67	0.605		mg/kg wet		36	24 - 120
Hexachloroethane	1.67	0.950		mg/kg wet		57	33 - 120
Indeno (1,2,3-cd) pyrene	1.67	0.985		mg/kg wet		59	41 - 121
Isophorone	1.67	0.798		mg/kg wet		48	33 - 120
2-Methylnaphthalene	1.67	0.910		mg/kg wet		55	28 - 120
2-Methylphenol	1.67	0.862		mg/kg wet		52	36 - 120
3/4-Methylphenol	1.67	0.873		mg/kg wet		52	37 - 120
Naphthalene	1.67	0.958		mg/kg wet		57	32 - 120
3-Nitroaniline	1.67	1.03		mg/kg wet		62	42 - 120
2-Nitroaniline	1.67	1.03		mg/kg wet		62	40 - 120
4-Nitroaniline	1.67	0.994		mg/kg wet		60	43 - 120
Nitrobenzene	1.67	0.722		mg/kg wet		43	26 - 120
4-Nitrophenol	1.67	1.05		mg/kg wet		63	32 - 136
2-Nitrophenol	1.67	0.888		mg/kg wet		53	29 - 120
N-Nitrosodiphenylamine	1.67	1.24		mg/kg wet		74	52 - 140
N-Nitrosodi-n-propylamine	1.67	1.07		mg/kg wet		64	35 - 120
Pentachlorophenol	1.67	1.17		mg/kg wet		70	44 - 134
Phenanthrene	1.67	1.02		mg/kg wet		61	45 - 120
Phenol	1.67	0.974		mg/kg wet		58	30 - 120
Pyrene	1.67	1.02		mg/kg wet		61	43 - 120
1,2,4-Trichlorobenzene	1.67	0.711		mg/kg wet		43	29 - 120
2,4,6-Trichlorophenol	1.67	0.996		mg/kg wet		60	39 - 120
2,4,5-Trichlorophenol	1.67	0.848		mg/kg wet		51	39 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	64		18 - 120
2,4,6-Tribromophenol	45		19 - 120
Phenol-d5	51		18 - 120
2-Fluorobiphenyl	51		14 - 120
2-Fluorophenol	48		17 - 120
Nitrobenzene-d5	45		17 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7201-MS1**

**Matrix: Soil**

**Analysis Batch: 12A7201**

**Client Sample ID: Tract 44 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12A7201\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike	Matrix Spike Qualifier	Unit	D	%Rec	Limits
	Result			Result					
Acenaphthene	<0.0369		1.82	1.12		mg/kg dry	☼	62	19 - 120
Acenaphthylene	<0.0369		1.82	0.983		mg/kg dry	☼	54	25 - 120
Anthracene	<0.0369		1.82	1.16		mg/kg dry	☼	64	28 - 125
Benzo (a) anthracene	<0.0369		1.82	1.18		mg/kg dry	☼	65	23 - 120
Benzo (a) pyrene	<0.0369		1.82	1.21		mg/kg dry	☼	66	15 - 128
Benzo (b) fluoranthene	<0.0369		1.82	1.13		mg/kg dry	☼	62	12 - 133
Benzo (g,h,i) perylene	<0.0369		1.82	1.21		mg/kg dry	☼	67	22 - 120
Benzo (k) fluoranthene	<0.0369		1.82	1.16		mg/kg dry	☼	64	28 - 120
4-Bromophenyl phenyl ether	<0.181		1.82	1.14		mg/kg dry	☼	63	31 - 120
Butyl benzyl phthalate	<0.181		1.82	1.17		mg/kg dry	☼	64	24 - 133
Carbazole	<0.181		1.82	1.18		mg/kg dry	☼	65	25 - 123
4-Chloro-3-methylphenol	<0.181		1.82	1.08		mg/kg dry	☼	59	21 - 120
4-Chloroaniline	<0.181		1.82	1.10		mg/kg dry	☼	61	26 - 120
Bis(2-chloroethoxy)methane	<0.181		1.82	1.01		mg/kg dry	☼	56	24 - 120
Bis(2-chloroethyl)ether	<0.181		1.82	1.07		mg/kg dry	☼	59	22 - 120
Bis(2-chloroisopropyl)ether	<0.181		1.82	1.10		mg/kg dry	☼	61	20 - 120
2-Chloronaphthalene	<0.181		1.82	0.908		mg/kg dry	☼	50	24 - 120
2-Chlorophenol	<0.181		1.82	1.09		mg/kg dry	☼	60	25 - 120
4-Chlorophenyl phenyl ether	<0.181		1.82	1.12		mg/kg dry	☼	62	26 - 120
Chrysene	<0.0369		1.82	1.18		mg/kg dry	☼	65	20 - 120
Dibenz (a,h) anthracene	<0.0369		1.82	1.23		mg/kg dry	☼	68	12 - 128
Dibenzofuran	<0.181		1.82	1.19		mg/kg dry	☼	65	21 - 120
Di-n-butyl phthalate	<0.181		1.82	1.11		mg/kg dry	☼	61	29 - 126
1,4-Dichlorobenzene	<0.181		1.82	0.897		mg/kg dry	☼	49	10 - 120
1,2-Dichlorobenzene	<0.181		1.82	0.908		mg/kg dry	☼	50	10 - 120
1,3-Dichlorobenzene	<0.181		1.82	0.888		mg/kg dry	☼	49	10 - 120
3,3-Dichlorobenzidine	<0.181		1.82	1.21		mg/kg dry	☼	66	10 - 120
2,4-Dichlorophenol	<0.181		1.82	1.03		mg/kg dry	☼	57	17 - 120
Diethyl phthalate	<0.181		1.82	1.13		mg/kg dry	☼	62	29 - 122
2,4-Dimethylphenol	<0.208		1.82	1.09		mg/kg dry	☼	60	17 - 120
Dimethyl phthalate	<0.181		1.82	1.10		mg/kg dry	☼	61	30 - 120
4,6-Dinitro-2-methylphenol	<0.181		1.82	1.07		mg/kg dry	☼	59	10 - 134
2,4-Dinitrophenol	<0.181		1.82	0.859		mg/kg dry	☼	47	10 - 150
2,6-Dinitrotoluene	<0.181		1.82	1.02		mg/kg dry	☼	56	24 - 120
2,4-Dinitrotoluene	<0.181		1.82	0.986		mg/kg dry	☼	54	24 - 121
Di-n-octyl phthalate	<0.181		1.82	1.12		mg/kg dry	☼	62	27 - 130
Bis(2-ethylhexyl)phthalate	<0.181		1.82	1.19		mg/kg dry	☼	66	26 - 120
Fluoranthene	<0.0369		1.82	1.16		mg/kg dry	☼	64	10 - 143
Fluorene	<0.0369		1.82	1.14		mg/kg dry	☼	63	20 - 120
Hexachlorobenzene	<0.181		1.82	1.15		mg/kg dry	☼	64	25 - 120
Hexachlorobutadiene	<0.181		1.82	1.09		mg/kg dry	☼	60	10 - 120
Hexachlorocyclopentadiene	<0.181		1.82	0.701		mg/kg dry	☼	39	10 - 120
Hexachloroethane	<0.181		1.82	1.04		mg/kg dry	☼	57	10 - 120
Indeno (1,2,3-cd) pyrene	<0.0369		1.82	1.21		mg/kg dry	☼	67	22 - 121
Isophorone	<0.181		1.82	0.888		mg/kg dry	☼	49	24 - 120
2-Methylnaphthalene	<0.0369		1.82	1.06		mg/kg dry	☼	58	13 - 120
2-Methylphenol	<0.181		1.82	0.954		mg/kg dry	☼	53	23 - 120
3/4-Methylphenol	<0.181		1.82	0.950		mg/kg dry	☼	52	19 - 120
Naphthalene	<0.0369		1.82	1.11		mg/kg dry	☼	61	10 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7201-MS1**

**Matrix: Soil**

**Analysis Batch: 12A7201**

**Client Sample ID: Tract 44 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12A7201\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
3-Nitroaniline	<0.181		1.82	1.20		mg/kg dry	*	66	31 - 120	
2-Nitroaniline	<0.181		1.82	1.16		mg/kg dry	*	64	31 - 120	
4-Nitroaniline	<0.181		1.82	1.17		mg/kg dry	*	64	28 - 120	
Nitrobenzene	<0.181		1.82	0.826		mg/kg dry	*	45	19 - 120	
4-Nitrophenol	<0.181		1.82	1.19		mg/kg dry	*	65	16 - 139	
2-Nitrophenol	<0.212		1.82	1.04		mg/kg dry	*	57	23 - 120	
N-Nitrosodiphenylamine	<0.198		1.82	1.41		mg/kg dry	*	78	26 - 150	
N-Nitrosodi-n-propylamine	<0.181		1.82	1.12		mg/kg dry	*	62	24 - 120	
Pentachlorophenol	<0.181		1.82	1.29		mg/kg dry	*	71	19 - 145	
Phenanthrene	<0.0369		1.82	1.15		mg/kg dry	*	63	21 - 122	
Phenol	<0.181		1.82	1.10		mg/kg dry	*	61	15 - 120	
Pyrene	<0.0369		1.82	1.14		mg/kg dry	*	63	20 - 123	
1,2,4-Trichlorobenzene	<0.181		1.82	0.831		mg/kg dry	*	46	14 - 120	
2,4,6-Trichlorophenol	<0.181		1.82	1.16		mg/kg dry	*	64	24 - 122	
2,4,5-Trichlorophenol	<0.181		1.82	0.966		mg/kg dry	*	53	27 - 120	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits
Terphenyl-d14	60		18 - 120
2,4,6-Tribromophenol	46		19 - 120
Phenol-d5	47		18 - 120
2-Fluorobiphenyl	47		14 - 120
2-Fluorophenol	46		17 - 120
Nitrobenzene-d5	42		17 - 120

**Lab Sample ID: 12A7201-MSD1**

**Matrix: Soil**

**Analysis Batch: 12A7201**

**Client Sample ID: Tract 44 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12A7201\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						RPD	
Acenaphthene	<0.0369		1.82	1.26		mg/kg dry	*	69	19 - 120	12	50	
Acenaphthylene	<0.0369		1.82	1.11		mg/kg dry	*	61	25 - 120	12	50	
Anthracene	<0.0369		1.82	1.29		mg/kg dry	*	71	28 - 125	11	49	
Benzo (a) anthracene	<0.0369		1.82	1.32		mg/kg dry	*	73	23 - 120	11	50	
Benzo (a) pyrene	<0.0369		1.82	1.37		mg/kg dry	*	75	15 - 128	12	50	
Benzo (b) fluoranthene	<0.0369		1.82	1.36		mg/kg dry	*	75	12 - 133	18	50	
Benzo (g,h,i) perylene	<0.0369		1.82	1.31		mg/kg dry	*	72	22 - 120	8	50	
Benzo (k) fluoranthene	<0.0369		1.82	1.23		mg/kg dry	*	68	28 - 120	5	45	
4-Bromophenyl phenyl ether	<0.181		1.82	1.29		mg/kg dry	*	71	31 - 120	12	37	
Butyl benzyl phthalate	<0.181		1.82	1.30		mg/kg dry	*	72	24 - 133	11	50	
Carbazole	<0.181		1.82	1.32		mg/kg dry	*	73	25 - 123	11	46	
4-Chloro-3-methylphenol	<0.181		1.82	1.19		mg/kg dry	*	65	21 - 120	9	49	
4-Chloroaniline	<0.181		1.82	1.21		mg/kg dry	*	67	26 - 120	9	50	
Bis(2-chloroethoxy)methane	<0.181		1.82	1.20		mg/kg dry	*	66	24 - 120	17	50	
Bis(2-chloroethyl)ether	<0.181		1.82	1.22		mg/kg dry	*	67	22 - 120	13	50	
Bis(2-chloroisopropyl)ether	<0.181		1.82	1.24		mg/kg dry	*	68	20 - 120	12	50	
2-Chloronaphthalene	<0.181		1.82	1.02		mg/kg dry	*	56	24 - 120	12	50	
2-Chlorophenol	<0.181		1.82	1.21		mg/kg dry	*	67	25 - 120	10	50	
4-Chlorophenyl phenyl ether	<0.181		1.82	1.21		mg/kg dry	*	66	26 - 120	7	50	
Chrysene	<0.0369		1.82	1.30		mg/kg dry	*	72	20 - 120	10	49	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12A7201-MSD1

Matrix: Soil

Analysis Batch: 12A7201

Client Sample ID: Tract 44 SB-1 (0-2)

Prep Type: Total

Prep Batch: 12A7201\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Dibenz (a,h) anthracene	<0.0369		1.82	1.33		mg/kg dry	*	73	12 - 128	8	50	
Dibenzofuran	<0.181		1.82	1.31		mg/kg dry	*	72	21 - 120	10	50	
Di-n-butyl phthalate	<0.181		1.82	1.25		mg/kg dry	*	69	29 - 126	12	49	
1,4-Dichlorobenzene	<0.181		1.82	1.01		mg/kg dry	*	55	10 - 120	12	50	
1,2-Dichlorobenzene	<0.181		1.82	1.02		mg/kg dry	*	56	10 - 120	12	50	
1,3-Dichlorobenzene	<0.181		1.82	0.989		mg/kg dry	*	54	10 - 120	11	50	
3,3-Dichlorobenzidine	<0.181		1.82	1.33		mg/kg dry	*	73	10 - 120	10	50	
2,4-Dichlorophenol	<0.181		1.82	1.13		mg/kg dry	*	62	17 - 120	10	50	
Diethyl phthalate	<0.181		1.82	1.25		mg/kg dry	*	69	29 - 122	10	45	
2,4-Dimethylphenol	<0.208		1.82	1.28		mg/kg dry	*	70	17 - 120	16	50	
Dimethyl phthalate	<0.181		1.82	1.25		mg/kg dry	*	69	30 - 120	13	46	
4,6-Dinitro-2-methylphenol	<0.181		1.82	1.08		mg/kg dry	*	59	10 - 134	0.6	50	
2,4-Dinitrophenol	<0.181		1.82	0.949		mg/kg dry	*	52	10 - 150	10	50	
2,6-Dinitrotoluene	<0.181		1.82	1.15		mg/kg dry	*	63	24 - 120	12	50	
2,4-Dinitrotoluene	<0.181		1.82	1.09		mg/kg dry	*	60	24 - 121	10	50	
Di-n-octyl phthalate	<0.181		1.82	1.27		mg/kg dry	*	70	27 - 130	13	50	
Bis(2-ethylhexyl)phthalate	<0.181		1.82	1.44		mg/kg dry	*	79	26 - 120	18	50	
Fluoranthene	<0.0369		1.82	1.30		mg/kg dry	*	72	10 - 143	12	50	
Fluorene	<0.0369		1.82	1.24		mg/kg dry	*	68	20 - 120	8	50	
Hexachlorobenzene	<0.181		1.82	1.33		mg/kg dry	*	73	25 - 120	14	50	
Hexachlorobutadiene	<0.181		1.82	1.22		mg/kg dry	*	67	10 - 120	11	50	
Hexachlorocyclopentadiene	<0.181		1.82	0.799		mg/kg dry	*	44	10 - 120	13	50	
Hexachloroethane	<0.181		1.82	1.16		mg/kg dry	*	64	10 - 120	11	50	
Indeno (1,2,3-cd) pyrene	<0.0369		1.82	1.31		mg/kg dry	*	72	22 - 121	8	50	
Isophorone	<0.181		1.82	1.03		mg/kg dry	*	57	24 - 120	15	50	
2-Methylnaphthalene	<0.0369		1.82	1.15		mg/kg dry	*	64	13 - 120	9	50	
2-Methylphenol	<0.181		1.82	1.07		mg/kg dry	*	59	23 - 120	12	50	
3/4-Methylphenol	<0.181		1.82	1.08		mg/kg dry	*	60	19 - 120	13	50	
Naphthalene	<0.0369		1.82	1.22		mg/kg dry	*	67	10 - 120	10	50	
3-Nitroaniline	<0.181		1.82	1.34		mg/kg dry	*	74	31 - 120	11	49	
2-Nitroaniline	<0.181		1.82	1.31		mg/kg dry	*	72	31 - 120	12	50	
4-Nitroaniline	<0.181		1.82	1.26		mg/kg dry	*	69	28 - 120	8	49	
Nitrobenzene	<0.181		1.82	0.944		mg/kg dry	*	52	19 - 120	13	50	
4-Nitrophenol	<0.181		1.82	1.35		mg/kg dry	*	75	16 - 139	13	45	
2-Nitrophenol	<0.212		1.82	1.17		mg/kg dry	*	65	23 - 120	12	50	
N-Nitrosodiphenylamine	<0.198		1.82	1.43		mg/kg dry	*	79	26 - 150	1	50	
N-Nitrosodi-n-propylamine	<0.181		1.82	1.30		mg/kg dry	*	72	24 - 120	15	50	
Pentachlorophenol	<0.181		1.82	1.45		mg/kg dry	*	80	19 - 145	12	50	
Phenanthrene	<0.0369		1.82	1.28		mg/kg dry	*	71	21 - 122	11	50	
Phenol	<0.181		1.82	1.27		mg/kg dry	*	70	15 - 120	14	50	
Pyrene	<0.0369		1.82	1.27		mg/kg dry	*	70	20 - 123	11	50	
1,2,4-Trichlorobenzene	<0.181		1.82	0.914		mg/kg dry	*	50	14 - 120	10	50	
2,4,6-Trichlorophenol	<0.181		1.82	1.28		mg/kg dry	*	71	24 - 122	10	50	
2,4,5-Trichlorophenol	<0.181		1.82	1.08		mg/kg dry	*	60	27 - 120	11	50	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
Terphenyl-d14	71		18 - 120
2,4,6-Tribromophenol	52		19 - 120
Phenol-d5	60		18 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7201-MSD1**

**Matrix: Soil**

**Analysis Batch: 12A7201**

**Client Sample ID: Tract 44 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12A7201\_P**

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	57		14 - 120
2-Fluorophenol	55		17 - 120
Nitrobenzene-d5	53		17 - 120

**Lab Sample ID: 12A7208-BLK1**

**Matrix: Water**

**Analysis Batch: 12A7208**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7208\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Anthracene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Carbazole	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Chrysene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Fluorene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7208-BLK1**

**Matrix: Water**

**Analysis Batch: 12A7208**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7208\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Isophorone	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Phenol	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
Pyrene	<1.00		2.00	1.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		01/30/12 05:30	01/30/12 21:56	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		01/30/12 05:30	01/30/12 21:56	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	102		13 - 120	01/30/12 05:30	01/30/12 21:56	1.00
2,4,6-Tribromophenol	64		10 - 120	01/30/12 05:30	01/30/12 21:56	1.00
Phenol-d5	29		10 - 120	01/30/12 05:30	01/30/12 21:56	1.00
2-Fluorobiphenyl	63		29 - 120	01/30/12 05:30	01/30/12 21:56	1.00
2-Fluorophenol	50		10 - 120	01/30/12 05:30	01/30/12 21:56	1.00
Nitrobenzene-d5	73		27 - 120	01/30/12 05:30	01/30/12 21:56	1.00

**Lab Sample ID: 12A7208-BS1**

**Matrix: Water**

**Analysis Batch: 12A7208**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7208\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	41.6	MNR1	ug/L		83	46 - 120
Acenaphthylene	50.0	36.5	MNR1	ug/L		73	48 - 120
Anthracene	50.0	46.3	MNR1	ug/L		93	58 - 130
Benzo (a) anthracene	50.0	42.7	MNR1	ug/L		85	57 - 120
Benzo (a) pyrene	50.0	48.2	MNR1	ug/L		96	57 - 124
Benzo (b) fluoranthene	50.0	51.7	MNR1	ug/L		103	51 - 125
Benzo (g,h,i) perylene	50.0	44.6	MNR1	ug/L		89	51 - 123
Benzo (k) fluoranthene	50.0	39.6	MNR1	ug/L		79	51 - 120
4-Bromophenyl phenyl ether	50.0	43.0	MNR1	ug/L		86	47 - 127
Butyl benzyl phthalate	50.0	51.3	MNR1	ug/L		103	51 - 146
Carbazole	50.0	47.0	MNR1	ug/L		94	54 - 123

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7208-BS1**

**Matrix: Water**

**Analysis Batch: 12A7208**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7208\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
4-Chloro-3-methylphenol	50.0	46.8	MNR1	ug/L		94	44 - 120	
4-Chloroaniline	50.0	45.8	MNR1	ug/L		92	44 - 120	
Bis(2-chloroethoxy)methane	50.0	48.4	MNR1	ug/L		97	44 - 120	
Bis(2-chloroethyl)ether	50.0	45.2	MNR1	ug/L		90	47 - 120	
Bis(2-chloroisopropyl)ether	50.0	47.3	MNR1	ug/L		95	44 - 120	
2-Chloronaphthalene	50.0	31.1	MNR1	ug/L		62	39 - 120	
2-Chlorophenol	50.0	43.7	MNR1	ug/L		87	40 - 120	
4-Chlorophenyl phenyl ether	50.0	41.0	MNR1	ug/L		82	50 - 120	
Chrysene	50.0	42.3	MNR1	ug/L		85	55 - 120	
Dibenz (a,h) anthracene	50.0	38.3	MNR1	ug/L		77	50 - 125	
Dibenzofuran	50.0	44.1	MNR1	ug/L		88	50 - 120	
Di-n-butyl phthalate	50.0	50.0	MNR1	ug/L		100	54 - 140	
1,4-Dichlorobenzene	50.0	29.7	MNR1	ug/L		59	31 - 120	
1,2-Dichlorobenzene	50.0	30.7	MNR1	ug/L		61	32 - 120	
1,3-Dichlorobenzene	50.0	29.8	MNR1	ug/L		60	32 - 120	
3,3-Dichlorobenzidine	50.0	39.8	MNR1	ug/L		80	46 - 129	
2,4-Dichlorophenol	50.0	43.0	MNR1	ug/L		86	38 - 120	
Diethyl phthalate	50.0	46.8	MNR1	ug/L		94	54 - 128	
2,4-Dimethylphenol	50.0	45.1	MNR1	ug/L		90	21 - 126	
Dimethyl phthalate	50.0	44.9	MNR1	ug/L		90	53 - 127	
4,6-Dinitro-2-methylphenol	50.0	46.3	MNR1	ug/L		93	19 - 150	
2,4-Dinitrophenol	50.0	52.0	MNR1	ug/L		104	20 - 150	
2,6-Dinitrotoluene	50.0	38.4	MNR1	ug/L		77	54 - 128	
2,4-Dinitrotoluene	50.0	36.4	MNR1	ug/L		73	46 - 132	
Di-n-octyl phthalate	50.0	57.2	MNR1	ug/L		114	50 - 142	
Bis(2-ethylhexyl)phthalate	50.0	53.1	MNR1	ug/L		106	47 - 138	
Fluoranthene	50.0	47.1	MNR1	ug/L		94	56 - 120	
Fluorene	50.0	43.7	MNR1	ug/L		87	52 - 120	
Hexachlorobenzene	50.0	42.2	MNR1	ug/L		84	48 - 131	
Hexachlorobutadiene	50.0	34.8	MNR1	ug/L		70	28 - 120	
Hexachlorocyclopentadiene	50.0	20.6	MNR1	ug/L		41	17 - 120	
Hexachloroethane	50.0	33.7	MNR1	ug/L		67	30 - 120	
Indeno (1,2,3-cd) pyrene	50.0	41.7	MNR1	ug/L		83	54 - 125	
Isophorone	50.0	41.0	MNR1	ug/L		82	47 - 120	
2-Methylnaphthalene	50.0	39.0	MNR1	ug/L		78	31 - 120	
2-Methylphenol	50.0	33.6	MNR1	ug/L		67	38 - 120	
Naphthalene	50.0	43.6	MNR1	ug/L		87	37 - 120	
3/4-Methylphenol	50.0	27.8	MNR1	ug/L		56	33 - 120	
3-Nitroaniline	50.0	48.2	MNR1	ug/L		96	54 - 121	
2-Nitroaniline	50.0	48.4	MNR1	ug/L		97	46 - 131	
4-Nitroaniline	50.0	47.2	MNR1	ug/L		94	55 - 123	
Nitrobenzene	50.0	37.5	MNR1	ug/L		75	36 - 120	
4-Nitrophenol	50.0	20.2	MNR1 J	ug/L		40	10 - 120	
2-Nitrophenol	50.0	45.0	MNR1	ug/L		90	32 - 120	
N-Nitrosodiphenylamine	50.0	55.6	MNR1	ug/L		111	58 - 149	
N-Nitrosodi-n-propylamine	50.0	51.9	MNR1	ug/L		104	51 - 120	
Pentachlorophenol	50.0	48.6	MNR1	ug/L		97	21 - 150	
Phenanthrene	50.0	45.7	MNR1	ug/L		91	56 - 120	
Phenol	50.0	16.7	MNR1	ug/L		33	14 - 120	
Pyrene	50.0	42.8	MNR1	ug/L		86	53 - 129	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12A7208-BS1**

**Matrix: Water**

**Analysis Batch: 12A7208**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7208\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	50.0	27.9	MNR1	ug/L		56	30 - 120
2,4,6-Trichlorophenol	50.0	47.4	MNR1	ug/L		95	39 - 135
2,4,5-Trichlorophenol	50.0	33.7	MNR1	ug/L		67	40 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	85		13 - 120
2,4,6-Tribromophenol	64		10 - 120
Phenol-d5	29		10 - 120
2-Fluorobiphenyl	70		29 - 120
2-Fluorophenol	47		10 - 120
Nitrobenzene-d5	82		27 - 120

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

**Lab Sample ID: 12A7202-BLK1**

**Matrix: Soil**

**Analysis Batch: V001982**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7202\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
delta-BHC	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
alpha-BHC	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
beta-BHC	<0.000840		0.00330	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
gamma-BHC (Lindane)	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
alpha-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
gamma-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
Chlordane	<0.0333		0.0667	0.0333	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
4,4'-DDD	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
4,4'-DDE	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
4,4'-DDT	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
Dieldrin	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
Endosulfan I	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
Endosulfan II	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
Endosulfan sulfate	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
Endrin	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
Endrin aldehyde	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
Endrin ketone	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
Heptachlor	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
Heptachlor epoxide	<0.000840		0.00170	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
Methoxychlor	<0.000840		0.00330	0.000840	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00
Toxaphene	<0.0422		0.0667	0.0422	mg/kg wet		02/03/12 12:25	02/06/12 18:05	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	108		21 - 145	02/03/12 12:25	02/06/12 18:05	1.00
Decachlorobiphenyl	108		25 - 150	02/03/12 12:25	02/06/12 18:05	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12A7202-BS1**

**Matrix: Soil**

**Analysis Batch: V001982**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7202\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aldrin	0.0167	0.0150		mg/kg wet		90	47 - 132	
delta-BHC	0.0167	0.0157		mg/kg wet		94	10 - 149	
alpha-BHC	0.0167	0.0157		mg/kg wet		94	45 - 128	
beta-BHC	0.0167	0.0150		mg/kg wet		90	48 - 135	
gamma-BHC (Lindane)	0.0167	0.0157		mg/kg wet		94	48 - 131	
alpha-Chlordane	0.0167	0.0150		mg/kg wet		90	47 - 134	
gamma-Chlordane	0.0167	0.0150		mg/kg wet		90	48 - 145	
4,4'-DDD	0.0167	0.0150		mg/kg wet		90	46 - 149	
4,4'-DDE	0.0167	0.0153		mg/kg wet		92	48 - 139	
4,4'-DDT	0.0167	0.0157		mg/kg wet		94	24 - 150	
Dieldrin	0.0167	0.0150		mg/kg wet		90	42 - 137	
Endosulfan I	0.0167	0.0150		mg/kg wet		90	10 - 150	
Endosulfan II	0.0167	0.0150		mg/kg wet		90	12 - 150	
Endosulfan sulfate	0.0167	0.0160		mg/kg wet		96	36 - 148	
Endrin	0.0167	0.0150		mg/kg wet		90	46 - 145	
Endrin aldehyde	0.0167	0.0153		mg/kg wet		92	48 - 150	
Endrin ketone	0.0167	0.0173		mg/kg wet		104	43 - 150	
Heptachlor	0.0167	0.0157		mg/kg wet		94	45 - 140	
Heptachlor epoxide	0.0167	0.0150		mg/kg wet		90	47 - 133	
Methoxychlor	0.0167	0.0157		mg/kg wet		94	23 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	106		21 - 145
Decachlorobiphenyl	110		25 - 150

**Lab Sample ID: 12A7202-BS2**

**Matrix: Soil**

**Analysis Batch: V001982**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7202\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Chlordane	0.167	0.159		mg/kg wet		95	50 - 150	
Toxaphene	0.333	0.364		mg/kg wet		109	10 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	98		21 - 145
Decachlorobiphenyl	104		25 - 150

**Lab Sample ID: 12A7202-MS1**

**Matrix: Soil**

**Analysis Batch: V001982**

**Client Sample ID: Tract 44 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12A7202\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Aldrin	<0.000909		0.0182	0.0153		mg/kg dry	*	84	11 - 140	
delta-BHC	<0.000909		0.0182	0.0156		mg/kg dry	*	86	10 - 149	
alpha-BHC	<0.000909		0.0182	0.0156		mg/kg dry	*	86	23 - 138	
beta-BHC	<0.000909		0.0182	0.0149		mg/kg dry	*	82	12 - 179	
gamma-BHC (Lindane)	<0.000909		0.0182	0.0156		mg/kg dry	*	86	24 - 145	
alpha-Chlordane	<0.000909		0.0182	0.0149		mg/kg dry	*	82	10 - 140	
gamma-Chlordane	<0.000909		0.0182	0.0145		mg/kg dry	*	80	10 - 150	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12A7202-MS1**

**Matrix: Soil**

**Analysis Batch: V001982**

**Client Sample ID: Tract 44 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12A7202\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
4,4'-DDD	<0.000909		0.0182	0.0149		mg/kg dry	☼	82	10 - 154	
4,4'-DDE	<0.000909		0.0182	0.0153		mg/kg dry	☼	84	14 - 139	
4,4'-DDT	<0.000909		0.0182	0.0160		mg/kg dry	☼	88	10 - 152	
Dieldrin	<0.000909		0.0182	0.0153		mg/kg dry	☼	84	10 - 148	
Endosulfan I	<0.000909		0.0182	0.0149		mg/kg dry	☼	82	10 - 158	
Endosulfan II	<0.000909		0.0182	0.0145		mg/kg dry	☼	80	10 - 152	
Endosulfan sulfate	<0.000909		0.0182	0.0153		mg/kg dry	☼	84	10 - 148	
Endrin	<0.000909		0.0182	0.0153		mg/kg dry	☼	84	20 - 145	
Endrin aldehyde	<0.000909		0.0182	0.0127		mg/kg dry	☼	70	13 - 167	
Endrin ketone	<0.000909		0.0182	0.0171		mg/kg dry	☼	94	13 - 150	
Heptachlor	<0.000909		0.0182	0.0156		mg/kg dry	☼	86	10 - 161	
Heptachlor epoxide	<0.000909		0.0182	0.0153		mg/kg dry	☼	84	15 - 139	
Methoxychlor	<0.000909		0.0182	0.0153		mg/kg dry	☼	84	10 - 175	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
Tetrachloro-meta-xylene	96		21 - 145
Decachlorobiphenyl	92		25 - 150

**Lab Sample ID: 12A7202-MSD1**

**Matrix: Soil**

**Analysis Batch: V001982**

**Client Sample ID: Tract 44 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12A7202\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits	RPD	Limit
Aldrin	<0.000909		0.0181	0.0162		mg/kg dry	☼	90	11 - 140	6	50	
delta-BHC	<0.000909		0.0181	0.0170		mg/kg dry	☼	94	10 - 149	8	50	
alpha-BHC	<0.000909		0.0181	0.0144		mg/kg dry	☼	80	23 - 138	8	50	
beta-BHC	<0.000909		0.0181	0.0119		mg/kg dry	☼	66	12 - 179	22	50	
gamma-BHC (Lindane)	<0.000909		0.0181	0.0152		mg/kg dry	☼	84	24 - 145	3	50	
alpha-Chlordane	<0.000909		0.0181	0.0144		mg/kg dry	☼	80	10 - 140	3	50	
gamma-Chlordane	<0.000909		0.0181	0.0137		mg/kg dry	☼	76	10 - 150	6	50	
4,4'-DDD	<0.000909		0.0181	0.0144		mg/kg dry	☼	80	10 - 154	3	50	
4,4'-DDE	<0.000909		0.0181	0.0144		mg/kg dry	☼	80	14 - 139	5	50	
4,4'-DDT	<0.000909		0.0181	0.0155		mg/kg dry	☼	86	10 - 152	3	50	
Dieldrin	<0.000909		0.0181	0.0144		mg/kg dry	☼	80	10 - 148	5	50	
Endosulfan I	<0.000909		0.0181	0.0148		mg/kg dry	☼	82	10 - 158	0.6	50	
Endosulfan II	<0.000909		0.0181	0.0141		mg/kg dry	☼	78	10 - 152	3	50	
Endosulfan sulfate	<0.000909		0.0181	0.0144		mg/kg dry	☼	80	10 - 148	5	50	
Endrin	<0.000909		0.0181	0.0144		mg/kg dry	☼	80	20 - 145	5	50	
Endrin aldehyde	<0.000909		0.0181	0.0126		mg/kg dry	☼	70	13 - 167	0.6	50	
Endrin ketone	<0.000909		0.0181	0.0162		mg/kg dry	☼	90	13 - 150	5	50	
Heptachlor	<0.000909		0.0181	0.0152		mg/kg dry	☼	84	10 - 161	3	50	
Heptachlor epoxide	<0.000909		0.0181	0.0155		mg/kg dry	☼	86	15 - 139	2	50	
Methoxychlor	<0.000909		0.0181	0.0148		mg/kg dry	☼	82	10 - 175	3	50	

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
Tetrachloro-meta-xylene	88		21 - 145
Decachlorobiphenyl	88		25 - 150

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12A7325-BLK1**

**Matrix: Water**

**Analysis Batch: V001600**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7325\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
delta-BHC	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
alpha-BHC	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
beta-BHC	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
gamma-BHC (Lindane)	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
alpha-Chlordane	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
gamma-Chlordane	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
Chlordane	<1.00		2.00	1.00	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
4,4'-DDD	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
4,4'-DDE	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
4,4'-DDT	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
Dieldrin	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
Endosulfan I	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
Endosulfan II	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
Endosulfan sulfate	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
Endrin	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
Endrin aldehyde	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
Endrin ketone	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
Heptachlor	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
Heptachlor epoxide	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
Methoxychlor	<0.0130		0.0250	0.0130	ug/L		01/30/12 16:30	01/31/12 15:05	1.00
Toxaphene	<1.00		2.00	1.00	ug/L		01/30/12 16:30	01/31/12 15:05	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	98		38 - 150	01/30/12 16:30	01/31/12 15:05	1.00
Decachlorobiphenyl	110		10 - 141	01/30/12 16:30	01/31/12 15:05	1.00

**Lab Sample ID: 12A7325-BS1**

**Matrix: Water**

**Analysis Batch: V001600**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7325\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.390	MNR1	ug/L		78	38 - 128
delta-BHC	0.500	0.390	MNR1	ug/L		78	35 - 145
alpha-BHC	0.500	0.480	MNR1	ug/L		96	47 - 136
beta-BHC	0.500	0.490	MNR1	ug/L		98	50 - 140
gamma-BHC (Lindane)	0.500	0.500	MNR1	ug/L		100	50 - 138
alpha-Chlordane	0.500	0.485	MNR1	ug/L		97	49 - 137
gamma-Chlordane	0.500	0.485	MNR1	ug/L		97	46 - 143
4,4'-DDD	0.500	0.505	MNR1	ug/L		101	51 - 150
4,4'-DDE	0.500	0.485	MNR1	ug/L		97	49 - 138
4,4'-DDT	0.500	0.510	MNR1	ug/L		102	33 - 150
Dieldrin	0.500	0.495	MNR1	ug/L		99	49 - 136
Endosulfan I	0.500	0.485	MNR1	ug/L		97	10 - 150
Endosulfan II	0.500	0.505	MNR1	ug/L		101	11 - 150
Endosulfan sulfate	0.500	0.525	MNR1	ug/L		105	43 - 150
Endrin	0.500	0.520	MNR1	ug/L		104	54 - 150
Endrin aldehyde	0.500	0.490	MNR1	ug/L		98	50 - 150
Endrin ketone	0.500	0.570	MNR1	ug/L		114	50 - 147

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12A7325-BS1**  
**Matrix: Water**  
**Analysis Batch: V001600**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7325\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Heptachlor	0.500	0.425	MNR1	ug/L		85	43 - 146	
Heptachlor epoxide	0.500	0.495	MNR1	ug/L		99	50 - 136	
Methoxychlor	0.500	0.490	MNR1	ug/L		98	35 - 150	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	102		38 - 150
Decachlorobiphenyl	104		10 - 141

**Lab Sample ID: 12A7325-BS2**  
**Matrix: Water**  
**Analysis Batch: V001600**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7325\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Chlordane	5.00	4.58	MNR1	ug/L		92	49 - 150	
Toxaphene	10.0	11.3	MNR1	ug/L		113	34 - 150	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	99		38 - 150
Decachlorobiphenyl	106		10 - 141

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

**Lab Sample ID: 12A7199-BLK1**  
**Matrix: Soil**  
**Analysis Batch: V001720**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12A7199\_P**

Analyte	Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0210		0.0333	0.0210	mg/kg wet		01/31/12 09:50	02/01/12 21:03	1.00
PCB-1221	<0.0110		0.0333	0.0110	mg/kg wet		01/31/12 09:50	02/01/12 21:03	1.00
PCB-1232	<0.0160		0.0333	0.0160	mg/kg wet		01/31/12 09:50	02/01/12 21:03	1.00
PCB-1242	<0.0260		0.0333	0.0260	mg/kg wet		01/31/12 09:50	02/01/12 21:03	1.00
PCB-1248	<0.0300		0.0333	0.0300	mg/kg wet		01/31/12 09:50	02/01/12 21:03	1.00
PCB-1254	<0.0110		0.0333	0.0110	mg/kg wet		01/31/12 09:50	02/01/12 21:03	1.00
PCB-1260	<0.0280		0.0333	0.0280	mg/kg wet		01/31/12 09:50	02/01/12 21:03	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	108		19 - 147	01/31/12 09:50	02/01/12 21:03	1.00
Decachlorobiphenyl	126		20 - 150	01/31/12 09:50	02/01/12 21:03	1.00

**Lab Sample ID: 12A7199-BS1**  
**Matrix: Soil**  
**Analysis Batch: V001720**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7199\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
PCB-1242	0.167	0.166		mg/kg wet		99	45 - 137	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	106		19 - 147

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A (Continued)

**Lab Sample ID: 12A7199-BS1**  
**Matrix: Soil**  
**Analysis Batch: V001720**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7199\_P**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Decachlorobiphenyl	130		20 - 150

**Lab Sample ID: 12A7199-MS1**  
**Matrix: Soil**  
**Analysis Batch: V001720**

**Client Sample ID: Tract 44 SB-1 (0-2)**  
**Prep Type: Total**  
**Prep Batch: 12A7199\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
	Matrix Spike		Matrix Spike						
PCB-1242	<0.0279		0.179	0.180		mg/kg dry	☼	101	21 - 175
Surrogate	%Recovery	Qualifier	Limits						
Tetrachloro-meta-xylene	108		19 - 147						
Decachlorobiphenyl	126		20 - 150						

**Lab Sample ID: 12A7199-MSD1**  
**Matrix: Soil**  
**Analysis Batch: V001720**

**Client Sample ID: Tract 44 SB-1 (0-2)**  
**Prep Type: Total**  
**Prep Batch: 12A7199\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	Matrix Spike Dup		Matrix Spike Dup								
PCB-1242	<0.0279		0.181	0.187		mg/kg dry	☼	104	21 - 175	4	35
Surrogate	%Recovery	Qualifier	Limits								
Tetrachloro-meta-xylene	104		19 - 147								
Decachlorobiphenyl	124		20 - 150								

**Lab Sample ID: 12A7211-BLK1**  
**Matrix: Water**  
**Analysis Batch: V001557**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12A7211\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Blank								
PCB-1016	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 16:24	1.00
PCB-1221	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 16:24	1.00
PCB-1232	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 16:24	1.00
PCB-1242	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 16:24	1.00
PCB-1248	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 16:24	1.00
PCB-1254	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 16:24	1.00
PCB-1260	<0.250		0.500	0.250	ug/L		01/30/12 06:20	01/30/12 16:24	1.00
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Tetrachloro-meta-xylene	95		17 - 142	01/30/12 06:20	01/30/12 16:24	1.00			
Decachlorobiphenyl	210	Z2	10 - 149	01/30/12 06:20	01/30/12 16:24	1.00			

**Lab Sample ID: 12A7211-BS1**  
**Matrix: Water**  
**Analysis Batch: V001557**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7211\_P**

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1242	5.00	4.51	MNR1	ug/L		90	10 - 150

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A (Continued)

**Lab Sample ID: 12A7211-BS1**  
**Matrix: Water**  
**Analysis Batch: V001557**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7211\_P**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	97		17 - 142
Decachlorobiphenyl	215	Z2	10 - 149

## Method: SW846 6010C - Total Metals by EPA 6010C

**Lab Sample ID: 12A7243-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12A7243**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12A7243\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Calcium	<0.500		1.00	0.500	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Magnesium	<0.500		1.00	0.500	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Potassium	<0.500		1.00	0.500	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Sodium	<0.500		1.00	0.500	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		02/06/12 08:00	02/07/12 06:26	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		02/06/12 08:00	02/07/12 06:26	1.00

**Lab Sample ID: 12A7243-BS1**  
**Matrix: Water**  
**Analysis Batch: 12A7243**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7243\_P**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
Aluminum	2.00	1.91	MNR	mg/L		96		80 - 120
Antimony	0.100	0.101	MNR	mg/L		101		80 - 120
Arsenic	0.0500	0.0458	MNR	mg/L		92		80 - 120
Barium	2.00	1.88	MNR	mg/L		94		80 - 120
Beryllium	0.0500	0.0507	MNR	mg/L		101		80 - 120
Cadmium	0.0500	0.0506	MNR	mg/L		101		80 - 120
Calcium	5.00	4.93	MNR	mg/L		99		80 - 120
Chromium	0.200	0.207	MNR	mg/L		103		80 - 120
Cobalt	0.500	0.503	MNR	mg/L		101		80 - 120
Copper	0.250	0.251	MNR	mg/L		101		80 - 120
Iron	1.00	1.04	MNR	mg/L		104		80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12A7243-BS1**

**Matrix: Water**

**Analysis Batch: 12A7243**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12A7243\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Lead	0.0500	0.0506	MNR	mg/L		101	80 - 120	
Magnesium	5.00	5.06	MNR	mg/L		101	80 - 120	
Manganese	0.500	0.508	MNR	mg/L		102	80 - 120	
Nickel	0.500	0.498	MNR	mg/L		100	80 - 120	
Potassium	5.00	4.92	MNR	mg/L		98	80 - 120	
Selenium	0.0500	0.0465	MNR	mg/L		93	80 - 120	
Silver	0.0500	0.0528	MNR	mg/L		106	80 - 120	
Sodium	5.00	5.16	MNR	mg/L		103	80 - 120	
Thallium	0.0500	0.0450	MNR	mg/L		90	80 - 120	
Vanadium	0.500	0.498	MNR	mg/L		100	80 - 120	
Zinc	0.500	0.501	MNR	mg/L		100	80 - 120	

**Lab Sample ID: 12A7243-BSD1**

**Matrix: Water**

**Analysis Batch: 12A7243**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12A7243\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Aluminum	2.00	1.88		mg/L		94	80 - 120	2	20	
Antimony	0.100	0.102		mg/L		102	80 - 120	0.3	20	
Arsenic	0.0500	0.0446		mg/L		89	80 - 120	3	20	
Barium	2.00	1.85		mg/L		93	80 - 120	1	20	
Beryllium	0.0500	0.0495		mg/L		99	80 - 120	2	20	
Cadmium	0.0500	0.0487		mg/L		97	80 - 120	4	20	
Calcium	5.00	4.69		mg/L		94	80 - 120	5	20	
Chromium	0.200	0.197		mg/L		99	80 - 120	5	20	
Cobalt	0.500	0.485		mg/L		97	80 - 120	4	20	
Copper	0.250	0.245		mg/L		98	80 - 120	2	20	
Iron	1.00	1.00		mg/L		100	80 - 120	4	20	
Lead	0.0500	0.0502		mg/L		100	80 - 120	0.8	20	
Magnesium	5.00	4.90		mg/L		98	80 - 120	3	20	
Manganese	0.500	0.492		mg/L		98	80 - 120	3	20	
Nickel	0.500	0.484		mg/L		97	80 - 120	3	20	
Potassium	5.00	4.77		mg/L		95	80 - 120	3	20	
Selenium	0.0500	0.0450		mg/L		90	80 - 120	3	20	
Silver	0.0500	0.0503		mg/L		101	80 - 120	5	20	
Sodium	5.00	4.72		mg/L		94	80 - 120	9	20	
Thallium	0.0500	0.0443		mg/L		89	80 - 120	2	20	
Vanadium	0.500	0.480		mg/L		96	80 - 120	4	20	
Zinc	0.500	0.478		mg/L		96	80 - 120	5	20	

**Lab Sample ID: 12A7262-BLK1**

**Matrix: Soil**

**Analysis Batch: 12A7262**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12A7262\_P**

Analyte	Blank		RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
Aluminum	<10.1		20.2	10.1	mg/kg wet		01/30/12 12:00	02/08/12 19:08		1.00	
Antimony	<5.05		10.1	5.05	mg/kg wet		01/30/12 12:00	02/08/12 19:08		1.00	
Arsenic	<0.505		1.01	0.505	mg/kg wet		01/30/12 12:00	02/08/12 19:08		1.00	
Barium	<1.01		2.02	1.01	mg/kg wet		01/30/12 12:00	02/08/12 19:08		1.00	
Beryllium	<0.505		1.01	0.505	mg/kg wet		01/30/12 12:00	02/08/12 19:08		1.00	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12A7262-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12A7262**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12A7262\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.505		1.01	0.505	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Calcium	<50.5		101	50.5	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Chromium	<0.505		1.01	0.505	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Cobalt	<1.52		3.03	1.52	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Copper	<1.01		2.02	1.01	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Iron	<5.05		10.1	5.05	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Lead	<0.505		1.01	0.505	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Magnesium	<50.5		101	50.5	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Manganese	<1.52		3.03	1.52	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Nickel	<1.01		2.02	1.01	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Potassium	<50.5		101	50.5	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Selenium	<1.01		2.02	1.01	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Silver	<0.505		1.01	0.505	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Sodium	<101		202	101	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Thallium	<1.01		2.02	1.01	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Vanadium	<5.05		10.1	5.05	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00
Zinc	<5.05		10.1	5.05	mg/kg wet		01/30/12 12:00	02/08/12 19:08	1.00

**Lab Sample ID: 12A7262-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12A7262**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7262\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	808	815		mg/kg wet		101	80 - 120
Antimony	40.4	40.7		mg/kg wet		101	80 - 120
Arsenic	20.2	18.0		mg/kg wet		89	80 - 120
Barium	808	794		mg/kg wet		98	80 - 120
Beryllium	20.2	20.7		mg/kg wet		102	80 - 120
Cadmium	20.2	20.3		mg/kg wet		100	80 - 120
Calcium	2020	2040		mg/kg wet		101	80 - 120
Chromium	80.8	82.3		mg/kg wet		102	80 - 120
Cobalt	202	201		mg/kg wet		100	80 - 120
Copper	101	101		mg/kg wet		100	80 - 120
Iron	404	409		mg/kg wet		101	80 - 120
Lead	20.2	20.4		mg/kg wet		101	80 - 120
Magnesium	2020	2070		mg/kg wet		102	80 - 120
Manganese	202	205		mg/kg wet		102	80 - 120
Nickel	202	202		mg/kg wet		100	80 - 120
Potassium	2020	2050		mg/kg wet		102	80 - 120
Selenium	20.2	19.1		mg/kg wet		94	80 - 120
Silver	20.2	20.5		mg/kg wet		102	75 - 125
Sodium	2020	2000		mg/kg wet		99	80 - 120
Thallium	20.2	17.7		mg/kg wet		88	80 - 120
Vanadium	202	201		mg/kg wet		100	80 - 120
Zinc	202	197		mg/kg wet		97	80 - 120



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12A7262-MS1**

**Matrix: Soil**

**Analysis Batch: 12A7262**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12A7262\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike			D	%Rec	Limits
	Result			Result	Qualifier	Unit			
Aluminum	4320		795	6770	MHA		309	75 - 125	
Antimony	<5.02		39.8	38.5			97	75 - 125	
Arsenic	3.51		19.9	21.0			88	75 - 125	
Barium	33.0		795	779			94	75 - 125	
Beryllium	<0.502		19.9	20.2			102	75 - 125	
Cadmium	<0.502		19.9	19.6			99	75 - 125	
Calcium	7110		1990	7760	MHA		33	75 - 125	
Chromium	7.93		79.5	90.9			104	75 - 125	
Cobalt	<1.51		199	204			102	75 - 125	
Copper	13.7		99.4	116			103	75 - 125	
Iron	4660		398	6330	MHA		420	75 - 125	
Lead	101		19.9	125			121	75 - 125	
Magnesium	320		1990	2370			103	75 - 125	
Manganese	28.9		199	232			102	75 - 125	
Nickel	3.01		199	204			101	75 - 125	
Potassium	144		1990	2260			106	75 - 125	
Selenium	<1.00		19.9	19.3			97	75 - 125	
Silver	<0.502		19.9	20.3			102	75 - 125	
Sodium	<100		1990	1980			100	75 - 125	
Thallium	<1.00		19.9	16.7			84	75 - 125	
Vanadium	13.7		199	210			99	75 - 125	
Zinc	45.4		199	248			102	75 - 125	

**Lab Sample ID: 12A7262-MSD1**

**Matrix: Soil**

**Analysis Batch: 12A7262**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12A7262\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup			D	%Rec	Limits	RPD	Limit
	Result			Result	Qualifier	Unit					
Aluminum	4320		802	7100	MHA		347	75 - 125	5	20	
Antimony	<5.02		40.1	39.4			98	75 - 125	2	20	
Arsenic	3.51		20.0	20.2			83	75 - 125	4	20	
Barium	33.0		802	776			93	75 - 125	0.3	20	
Beryllium	<0.502		20.0	20.4			102	75 - 125	0.8	20	
Cadmium	<0.502		20.0	19.4			97	75 - 125	0.9	20	
Calcium	7110		2000	21000	MHA R2		693	75 - 125	92	20	
Chromium	7.93		80.2	89.0			101	75 - 125	2	20	
Cobalt	<1.51		200	204			102	75 - 125	0.1	20	
Copper	13.7		100	115			101	75 - 125	0.5	20	
Iron	4660		401	4940	MHA R2		71	75 - 125	25	20	
Lead	101		20.0	119			88	75 - 125	5	20	
Magnesium	320		2000	2420			105	75 - 125	2	20	
Manganese	28.9		200	233			102	75 - 125	0.1	20	
Nickel	3.01		200	205			101	75 - 125	0.7	20	
Potassium	144		2000	2280			106	75 - 125	0.9	20	
Selenium	<1.00		20.0	18.7			93	75 - 125	3	20	
Silver	<0.502		20.0	20.2			101	75 - 125	0.2	20	
Sodium	<100		2000	2050			102	75 - 125	4	20	
Thallium	<1.00		20.0	17.0			85	75 - 125	1	20	
Vanadium	13.7		200	211			98	75 - 125	0.2	20	
Zinc	45.4		200	240			97	75 - 125	3	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 12A7247-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12A7247**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7247\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Calcium	<0.500		1.00	0.500	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Magnesium	<0.500		1.00	0.500	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Potassium	<0.500		1.00	0.500	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Sodium	<0.500		1.00	0.500	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		02/01/12 13:10	02/09/12 10:59	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		02/01/12 13:10	02/09/12 10:59	1.00

**Lab Sample ID: 12A7247-BS1**  
**Matrix: Water**  
**Analysis Batch: 12A7247**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7247\_P**

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aluminum	2.00	1.98		mg/L		99	80 - 120
Antimony	0.100	0.125	L	mg/L		125	80 - 120
Arsenic	0.0500	0.0557		mg/L		111	80 - 120
Barium	2.00	2.41		mg/L		120	80 - 120
Beryllium	0.0500	0.0532		mg/L		106	80 - 120
Cadmium	0.0500	0.0542		mg/L		108	80 - 120
Calcium	5.00	5.26		mg/L		105	80 - 120
Chromium	0.200	0.205		mg/L		103	80 - 120
Cobalt	0.500	0.537		mg/L		107	80 - 120
Copper	0.250	0.256		mg/L		102	80 - 120
Iron	1.00	1.10		mg/L		110	80 - 120
Lead	0.0500	0.0578		mg/L		116	80 - 120
Magnesium	5.00	5.26		mg/L		105	80 - 120
Manganese	0.500	0.541		mg/L		108	80 - 120
Nickel	0.500	0.560		mg/L		112	80 - 120
Potassium	5.00	5.23		mg/L		105	80 - 120
Selenium	0.0500	0.0543		mg/L		109	80 - 120
Silver	0.0500	0.0528		mg/L		106	80 - 120
Sodium	5.00	5.23		mg/L		105	80 - 120
Thallium	0.0500	0.0500		mg/L		100	80 - 120
Vanadium	0.500	0.518		mg/L		104	80 - 120
Zinc	0.500	0.503		mg/L		101	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12A7247-MS1**

**Matrix: Water**

**Analysis Batch: 12A7247**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 12A7247\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits	%Rec.
	Result		Added	Result	Qualifier					
Aluminum	<0.0500		2.00	1.96		mg/L		98	75 - 125	
Antimony	<0.00500		0.100	0.126	M7	mg/L		126	75 - 125	
Arsenic	<0.00500		0.0500	0.0584		mg/L		117	75 - 125	
Barium	0.0345		2.00	2.37		mg/L		117	75 - 125	
Beryllium	<0.00200		0.0500	0.0528		mg/L		106	75 - 125	
Cadmium	<0.000600		0.0500	0.0525		mg/L		105	75 - 125	
Calcium	40.3		5.00	45.2		mg/L		99	75 - 125	
Chromium	<0.00250		0.200	0.200		mg/L		100	75 - 125	
Cobalt	<0.0100		0.500	0.530		mg/L		106	75 - 125	
Copper	0.00980		0.250	0.260		mg/L		100	75 - 125	
Iron	0.0273		1.00	1.10		mg/L		107	75 - 125	
Lead	<0.00250		0.0500	0.0527		mg/L		105	75 - 125	
Magnesium	9.43		5.00	14.5		mg/L		101	75 - 125	
Manganese	0.154		0.500	0.680		mg/L		105	75 - 125	
Nickel	<0.00500		0.500	0.552		mg/L		110	75 - 125	
Potassium	1.53		5.00	6.62		mg/L		102	75 - 125	
Selenium	<0.00500		0.0500	0.0549		mg/L		110	75 - 125	
Silver	<0.00250		0.0500	0.0523		mg/L		105	75 - 125	
Sodium	4.46		5.00	9.56		mg/L		102	75 - 125	
Thallium	<0.00500		0.0500	0.0474		mg/L		95	75 - 125	
Vanadium	<0.0100		0.500	0.511		mg/L		102	75 - 125	
Zinc	0.0830		0.500	0.578		mg/L		99	75 - 125	

**Lab Sample ID: 12A7247-MSD1**

**Matrix: Water**

**Analysis Batch: 12A7247**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 12A7247\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	Limits	RPD	Limit
	Result		Added	Result	Qualifier						
Aluminum	<0.0500		2.00	1.96		mg/L		98	75 - 125	0.4	20
Antimony	<0.00500		0.100	0.123		mg/L		123	75 - 125	2	20
Arsenic	<0.00500		0.0500	0.0593		mg/L		119	75 - 125	2	20
Barium	0.0345		2.00	2.35		mg/L		116	75 - 125	0.8	20
Beryllium	<0.00200		0.0500	0.0522		mg/L		104	75 - 125	1	20
Cadmium	<0.000600		0.0500	0.0525		mg/L		105	75 - 125	0	20
Calcium	40.3		5.00	46.8	MHA	mg/L		130	75 - 125	3	20
Chromium	<0.00250		0.200	0.201		mg/L		100	75 - 125	0.2	20
Cobalt	<0.0100		0.500	0.526		mg/L		105	75 - 125	0.7	20
Copper	0.00980		0.250	0.256		mg/L		99	75 - 125	2	20
Iron	0.0273		1.00	1.12		mg/L		109	75 - 125	1	20
Lead	<0.00250		0.0500	0.0515		mg/L		103	75 - 125	2	20
Magnesium	9.43		5.00	14.9		mg/L		109	75 - 125	3	20
Manganese	0.154		0.500	0.686		mg/L		107	75 - 125	0.9	20
Nickel	<0.00500		0.500	0.550		mg/L		110	75 - 125	0.2	20
Potassium	1.53		5.00	6.68		mg/L		103	75 - 125	0.9	20
Selenium	<0.00500		0.0500	0.0555		mg/L		111	75 - 125	1	20
Silver	<0.00250		0.0500	0.0518		mg/L		104	75 - 125	1	20
Sodium	4.46		5.00	9.70		mg/L		105	75 - 125	1	20
Thallium	<0.00500		0.0500	0.0484		mg/L		97	75 - 125	2	20
Vanadium	<0.0100		0.500	0.502		mg/L		100	75 - 125	2	20
Zinc	0.0830		0.500	0.582		mg/L		100	75 - 125	0.7	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12A7300-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12A7300**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12A7300\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000112	J	0.000200	0.000100	mg/L		02/01/12 13:20	02/02/12 11:52	1.00

**Lab Sample ID: 12A7300-BS1**  
**Matrix: Water**  
**Analysis Batch: 12A7300**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7300\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.000817	B	mg/L		82	80 - 120

**Lab Sample ID: 12A7300-MS1**  
**Matrix: Water**  
**Analysis Batch: 12A7300**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12A7300\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.000100		0.00100	0.000903	B	mg/L		90	75 - 125

**Lab Sample ID: 12A7300-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12A7300**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 12A7300\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.000100		0.00100	0.000760	B	mg/L		76	75 - 125	17	20

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12A7302-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12A7302**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7302\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		02/01/12 15:00	02/02/12 13:54	1.00

**Lab Sample ID: 12A7302-BS1**  
**Matrix: Water**  
**Analysis Batch: 12A7302**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7302\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.000872		mg/L		87	80 - 120

**Lab Sample ID: 12A7302-BSD1**  
**Matrix: Water**  
**Analysis Batch: 12A7302**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7302\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.000855		mg/L		86	80 - 120	2	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 12A7302-MS1**  
**Matrix: Water**  
**Analysis Batch: 12A7302**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7302\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.000717	M8	mg/L		72	75 - 125

**Lab Sample ID: 12A7302-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12A7302**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 12A7302\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.000703	M8	mg/L		70	75 - 125	2	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 12A7301-BLK1**  
**Matrix: Soil**  
**Analysis Batch: V001949**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12A7301\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.049		0.099	0.049	mg/kg wet		02/02/12 13:30	02/03/12 11:05	1.0

**Lab Sample ID: 12A7301-BS1**  
**Matrix: Soil**  
**Analysis Batch: V001949**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12A7301\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.166	0.17		mg/kg wet		103	80 - 120

**Lab Sample ID: 12A7301-MS1**  
**Matrix: Soil**  
**Analysis Batch: V001949**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12A7301\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.070		0.238	0.25		mg/kg dry	☼	106	80 - 120

**Lab Sample ID: 12A7301-MSD1**  
**Matrix: Soil**  
**Analysis Batch: V001949**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 12A7301\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.070		0.231	0.23		mg/kg dry	☼	98	80 - 120	10	20

## Method: SW-846 - General Chemistry Parameters

**Lab Sample ID: 12A7309-DUP1**  
**Matrix: Soil**  
**Analysis Batch: 12A7309**

**Client Sample ID: Duplicate**  
**Prep Type: Total**  
**Prep Batch: 12A7309\_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	Limit
% Dry Solids	96.1		95.2		%		0.9	20

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## GCMS Volatiles

### Analysis Batch: V001573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A6946-BLK1	Method Blank	Total	Water	SW846 8260B	12A6946_P
12A6946-BS1	Lab Control Sample	Total	Water	SW846 8260B	12A6946_P
12A6946-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	12A6946_P
12A6946-MS1	Matrix Spike	Total	Water	SW846 8260B	12A6946_P
12A6946-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	12A6946_P
NWA4733-03	Tract 44 TW-1 (4-8)	Total	Ground Water	SW846 8260B	12A6946_P
NWA4733-04	Trip Blank	Total	Water	SW846 8260B	12A6946_P

### Analysis Batch: V002114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B0689-BLK1	Method Blank	Total	Soil	SW846 8260B	12B0689_P
12B0689-BLK2	Method Blank	Total	Soil	SW846 8260B	12B0689_P
12B0689-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12B0689_P
12B0689-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	12B0689_P
12B0689-MS1	Matrix Spike	Total	Soil	SW846 8260B	12B0689_P
12B0689-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	12B0689_P
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	SW846 8260B	12B0689_P
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	SW846 8260B	12B0689_P

### Prep Batch: 12A6946\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A6946-BLK1	Method Blank	Total	Water	EPA 5030B	
12A6946-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12A6946-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
12A6946-MS1	Matrix Spike	Total	Water	EPA 5030B	
12A6946-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NWA4733-03	Tract 44 TW-1 (4-8)	Total	Ground Water	EPA 5030B	
NWA4733-04	Trip Blank	Total	Water	EPA 5030B	

### Prep Batch: 12B0689\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B0689-BLK1	Method Blank	Total	Soil	EPA 5035	
12B0689-BLK2	Method Blank	Total	Soil	EPA 5035	
12B0689-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12B0689-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
12B0689-MS1	Matrix Spike	Total	Soil	EPA 5035	
12B0689-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	EPA 5035	
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	EPA 5035	

## GCMS Semivolatiles

### Analysis Batch: 12A7201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7201-BLK1	Method Blank	Total	Soil	SW846 8270D	12A7201_P
12A7201-BS1	Lab Control Sample	Total	Soil	SW846 8270D	12A7201_P
12A7201-MS1	Tract 44 SB-1 (0-2)	Total	Soil	SW846 8270D	12A7201_P
12A7201-MSD1	Tract 44 SB-1 (0-2)	Total	Soil	SW846 8270D	12A7201_P
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	SW846 8270D	12A7201_P
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	SW846 8270D	12A7201_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## GCMS Semivolatiles (Continued)

### Analysis Batch: 12A7208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7208-BLK1	Method Blank	Total	Water	SW846 8270D	12A7208_P
12A7208-BS1	Lab Control Sample	Total	Water	SW846 8270D	12A7208_P
NWA4733-03	Tract 44 TW-1 (4-8)	Total	Ground Water	SW846 8270D	12A7208_P

### Prep Batch: 12A7201\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7201-BLK1	Method Blank	Total	Soil	EPA 3550C	
12A7201-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12A7201-MS1	Tract 44 SB-1 (0-2)	Total	Soil	EPA 3550C	
12A7201-MSD1	Tract 44 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	EPA 3550C	

### Prep Batch: 12A7208\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7208-BLK1	Method Blank	Total	Water	EPA 3510C	
12A7208-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NWA4733-03	Tract 44 TW-1 (4-8)	Total	Ground Water	EPA 3510C	

## Pesticides

### Analysis Batch: V001557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7211-BLK1	Method Blank	Total	Water	SW846 8082A	12A7211_P
12A7211-BS1	Lab Control Sample	Total	Water	SW846 8082A	12A7211_P
NWA4733-03	Tract 44 TW-1 (4-8)	Total	Ground Water	SW846 8082A	12A7211_P

### Analysis Batch: V001600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7325-BLK1	Method Blank	Total	Water	SW846 8081B	12A7325_P
12A7325-BS1	Lab Control Sample	Total	Water	SW846 8081B	12A7325_P
12A7325-BS2	Lab Control Sample	Total	Water	SW846 8081B	12A7325_P
NWA4733-03	Tract 44 TW-1 (4-8)	Total	Ground Water	SW846 8081B	12A7325_P

### Analysis Batch: V001720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7199-BLK1	Method Blank	Total	Soil	SW846 8082A	12A7199_P
12A7199-BS1	Lab Control Sample	Total	Soil	SW846 8082A	12A7199_P
12A7199-MS1	Tract 44 SB-1 (0-2)	Total	Soil	SW846 8082A	12A7199_P
12A7199-MSD1	Tract 44 SB-1 (0-2)	Total	Soil	SW846 8082A	12A7199_P
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	SW846 8082A	12A7199_P
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	SW846 8082A	12A7199_P

### Analysis Batch: V001982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7202-BLK1	Method Blank	Total	Soil	SW846 8081B	12A7202_P
12A7202-BS1	Lab Control Sample	Total	Soil	SW846 8081B	12A7202_P
12A7202-BS2	Lab Control Sample	Total	Soil	SW846 8081B	12A7202_P
12A7202-MS1	Tract 44 SB-1 (0-2)	Total	Soil	SW846 8081B	12A7202_P
12A7202-MSD1	Tract 44 SB-1 (0-2)	Total	Soil	SW846 8081B	12A7202_P
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	SW846 8081B	12A7202_P
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	SW846 8081B	12A7202_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Pesticides (Continued)

### Prep Batch: 12A7199\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7199-BLK1	Method Blank	Total	Soil	EPA 3550C/3665A	
12A7199-BS1	Lab Control Sample	Total	Soil	EPA 3550C/3665A	
12A7199-MS1	Tract 44 SB-1 (0-2)	Total	Soil	EPA 3550C/3665A	
12A7199-MSD1	Tract 44 SB-1 (0-2)	Total	Soil	EPA 3550C/3665A	
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	EPA 3550C/3665A	
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	EPA 3550C/3665A	

### Prep Batch: 12A7202\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7202-BLK1	Method Blank	Total	Soil	EPA 3550C	
12A7202-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12A7202-BS2	Lab Control Sample	Total	Soil	EPA 3550C	
12A7202-MS1	Tract 44 SB-1 (0-2)	Total	Soil	EPA 3550C	
12A7202-MSD1	Tract 44 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	EPA 3550C	

### Prep Batch: 12A7211\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7211-BLK1	Method Blank	Total	Water	EPA 3510C/3665A	
12A7211-BS1	Lab Control Sample	Total	Water	EPA 3510C/3665A	
NWA4733-03	Tract 44 TW-1 (4-8)	Total	Ground Water	EPA 3510C/3665A	

### Prep Batch: 12A7325\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7325-BLK1	Method Blank	Total	Water	EPA 3510C	
12A7325-BS1	Lab Control Sample	Total	Water	EPA 3510C	
12A7325-BS2	Lab Control Sample	Total	Water	EPA 3510C	
NWA4733-03	Tract 44 TW-1 (4-8)	Total	Ground Water	EPA 3510C	

## Metals

### Analysis Batch: 12A7243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7243-BLK1	Method Blank	Total	Water	SW846 6010C	12A7243_P
12A7243-BS1	Lab Control Sample	Total	Water	SW846 6010C	12A7243_P
12A7243-BSD1	Lab Control Sample Dup	Total	Water	SW846 6010C	12A7243_P
NWA4733-03	Tract 44 TW-1 (4-8)	Total	Ground Water	SW846 6010C	12A7243_P

### Analysis Batch: 12A7247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7247-BLK1	Method Blank	Dissolved	Water	SW846 6010C	12A7247_P
12A7247-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	12A7247_P
12A7247-MS1	Matrix Spike	Dissolved	Water	SW846 6010C	12A7247_P
12A7247-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 6010C	12A7247_P



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Metals (Continued)

### Analysis Batch: 12A7247 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWA4733-03	Tract 44 TW-1 (4-8)	Dissolved	Ground Water	SW846 6010C	12A7247_P

### Analysis Batch: 12A7262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7262-BLK1	Method Blank	Total	Soil	SW846 6010C	12A7262_P
12A7262-BS1	Lab Control Sample	Total	Soil	SW846 6010C	12A7262_P
12A7262-MS1	Matrix Spike	Total	Soil	SW846 6010C	12A7262_P
12A7262-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 6010C	12A7262_P
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	SW846 6010C	12A7262_P
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	SW846 6010C	12A7262_P

### Analysis Batch: 12A7300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7300-BLK1	Method Blank	Total	Water	SW846 7470A	12A7300_P
12A7300-BS1	Lab Control Sample	Total	Water	SW846 7470A	12A7300_P
12A7300-MS1	Matrix Spike	Total	Water	SW846 7470A	12A7300_P
12A7300-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	12A7300_P
NWA4733-03	Tract 44 TW-1 (4-8)	Total	Ground Water	SW846 7470A	12A7300_P

### Analysis Batch: 12A7301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	SW846 7471B	12A7301_P
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	SW846 7471B	12A7301_P

### Analysis Batch: 12A7302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7302-BLK1	Method Blank	Dissolved	Water	SW846 7470A	12A7302_P
12A7302-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	12A7302_P
12A7302-BSD1	Lab Control Sample Dup	Dissolved	Water	SW846 7470A	12A7302_P
12A7302-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	12A7302_P
12A7302-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	12A7302_P
NWA4733-03	Tract 44 TW-1 (4-8)	Dissolved	Ground Water	SW846 7470A	12A7302_P

### Analysis Batch: V001949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7301-BLK1	Method Blank	Total	Soil	SW846 7471B	12A7301_P
12A7301-BS1	Lab Control Sample	Total	Soil	SW846 7471B	12A7301_P
12A7301-MS1	Matrix Spike	Total	Soil	SW846 7471B	12A7301_P
12A7301-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	12A7301_P

### Prep Batch: 12A7243\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7243-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
12A7243-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
12A7243-BSD1	Lab Control Sample Dup	Total	Water	EPA 3010A / 6010	
NWA4733-03	Tract 44 TW-1 (4-8)	Total	Ground Water	EPA 3010A / 6010	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Metals (Continued)

### Prep Batch: 12A7247\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7247-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12A7247-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12A7247-MS1	Matrix Spike	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12A7247-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NWA4733-03	Tract 44 TW-1 (4-8)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

### Prep Batch: 12A7262\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7262-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
12A7262-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
12A7262-MS1	Matrix Spike	Total	Soil	EPA 3051A/6010	
12A7262-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3051A/6010	
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	EPA 3051A/6010	

### Prep Batch: 12A7300\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7300-BLK1	Method Blank	Total	Water	EPA 7470	
12A7300-BS1	Lab Control Sample	Total	Water	EPA 7470	
12A7300-MS1	Matrix Spike	Total	Water	EPA 7470	
12A7300-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NWA4733-03	Tract 44 TW-1 (4-8)	Total	Ground Water	EPA 7470	

### Prep Batch: 12A7301\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7301-BLK1	Method Blank	Total	Soil	EPA 7471	
12A7301-BS1	Lab Control Sample	Total	Soil	EPA 7471	
12A7301-MS1	Matrix Spike	Total	Soil	EPA 7471	
12A7301-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	EPA 7471	
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	EPA 7471	

### Prep Batch: 12A7302\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7302-BLK1	Method Blank	Dissolved	Water	EPA 7470	
12A7302-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
12A7302-BSD1	Lab Control Sample Dup	Dissolved	Water	EPA 7470	
12A7302-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
12A7302-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	
NWA4733-03	Tract 44 TW-1 (4-8)	Dissolved	Ground Water	EPA 7470	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Extractions

### Analysis Batch: 12A7309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7309-DUP1	Duplicate	Total	Soil	SW-846	12A7309_P
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	SW-846	12A7309_P
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	SW-846	12A7309_P

### Prep Batch: 12A7309\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A7309-DUP1	Duplicate	Total	Soil	% Solids	
NWA4733-01	Tract 44 SB-1 (0-2)	Total	Soil	% Solids	
NWA4733-02	Tract 44 SB-1 (6-10)	Total	Soil	% Solids	

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

## Client Sample ID: Tract 44 SB-1 (0-2)

Lab Sample ID: NWA4733-01

Date Collected: 01/27/12 09:45

Matrix: Soil

Date Received: 01/28/12 08:20

Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.01	12B0689_P	01/27/12 09:45	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V002114	02/02/12 19:48	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.992	12A7201_P	02/03/12 12:15	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12A7201	02/03/12 21:04	KJP	TAL NSH
Total	Prep	EPA 3550C		0.990	12A7202_P	02/03/12 12:25	DMB	TAL NSH
Total	Analysis	SW846 8081B		1.00	V001982	02/06/12 19:15	WAM	TAL NSH
Total	Prep	EPA 3550C/3665A		0.983	12A7199_P	01/31/12 09:50	MWT	TAL NSH
Total	Analysis	SW846 8082A		1.00	V001720	02/01/12 22:30	RMC	TAL NSH
Total	Prep	EPA 3051A/6010		0.952	12A7262_P	01/30/12 12:00	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	12A7262	02/08/12 19:43	LTB	TAL NSH
Total	Prep	EPA 7471		0.97	12A7301_P	02/02/12 13:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12A7301	02/03/12 11:49	MB	TAL NSH
Total	Prep	% Solids		1.00	12A7309_P	01/30/12 11:25	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12A7309	01/31/12 09:26	RRS	TAL NSH

## Client Sample ID: Tract 44 SB-1 (6-10)

Lab Sample ID: NWA4733-02

Date Collected: 01/27/12 10:45

Matrix: Soil

Date Received: 01/28/12 08:20

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.903	12B0689_P	01/27/12 10:45	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V002114	02/02/12 20:16	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.999	12A7201_P	02/03/12 12:15	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12A7201	02/03/12 21:25	KJP	TAL NSH
Total	Prep	EPA 3550C		0.985	12A7202_P	02/03/12 12:25	DMB	TAL NSH
Total	Analysis	SW846 8081B		1.00	V001982	02/06/12 19:29	WAM	TAL NSH
Total	Prep	EPA 3550C/3665A		0.980	12A7199_P	01/31/12 09:50	MWT	TAL NSH
Total	Analysis	SW846 8082A		1.00	V001720	02/01/12 22:51	RMC	TAL NSH
Total	Prep	EPA 3051A/6010		0.977	12A7262_P	01/30/12 12:00	CAT	TAL NSH
Total	Analysis	SW846 6010C		1.00	12A7262	02/08/12 19:47	LTB	TAL NSH
Total	Prep	EPA 7471		0.97	12A7301_P	02/02/12 13:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12A7301	02/03/12 11:51	MB	TAL NSH
Total	Prep	% Solids		1.00	12A7309_P	01/30/12 11:25	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12A7309	01/31/12 09:26	RRS	TAL NSH

## Client Sample ID: Tract 44 TW-1 (4-8)

Lab Sample ID: NWA4733-03

Date Collected: 01/27/12 11:00

Matrix: Ground Water

Date Received: 01/28/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12A6946_P	01/29/12 16:01	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V001573	01/30/12 01:48	CMM	TAL NSH
Total	Prep	EPA 3510C		0.952	12A7208_P	01/30/12 05:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12A7208	01/30/12 22:56	KJP	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

**Client Sample ID: Tract 44 TW-1 (4-8)**

**Lab Sample ID: NWA4733-03**

Date Collected: 01/27/12 11:00

Matrix: Ground Water

Date Received: 01/28/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C		0.971	12A7325_P	01/30/12 16:30	JJR	TAL NSH
Total	Analysis	SW846 8081B		1.00	V001600	01/31/12 15:48	WAM	TAL NSH
Total	Prep	EPA 3510C/3665A		1.00	12A7211_P	01/30/12 06:20	RCH2	TAL NSH
Total	Analysis	SW846 8082A		1.00	V001557	01/30/12 17:13	WAM	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	12A7247_P	02/01/12 13:10	NLI	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	12A7247	02/09/12 12:57	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	12A7243_P	02/06/12 08:00	CXU	TAL NSH
Total	Analysis	SW846 6010C		1.00	12A7243	02/07/12 08:11	LTB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	12A7302_P	02/01/12 15:00	ALJ	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12A7302	02/02/12 14:38	MB	TAL NSH
Total	Prep	EPA 7470		1.00	12A7300_P	02/01/12 13:20	ALJ	TAL NSH
Total	Analysis	SW846 7470A		1.00	12A7300	02/02/12 12:48	ALJ	TAL NSH

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWA4733-04**

Date Collected: 01/27/12 00:01

Matrix: Water

Date Received: 01/28/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12A6946_P	01/29/12 16:01	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V001573	01/29/12 20:41	CMM	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 8081B	Organochlorine Pesticides by EPA Method 8081B		TAL NSH
SW846 8082A	Polychlorinated Biphenyls by EPA Method 8082A		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Certification Summary

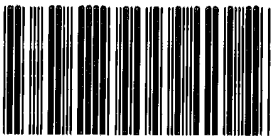
Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWA4733

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

COOLER RECEIPT



NW44733

1/28/2012@8:20

1. Tracking # 4585 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened 2.7 Degrees Celsius

3. If item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

7. Were custody seals on containers: YES NO NO and intact

8. Packing mat'l used? Bubblewrap Plastic bag ice peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: ice Ice-pack ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

13a. Were VOA vials received? YES NO NA

b. Was there any observable headspace present in any VOA vial? YES NO NA

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence # NA

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used? YES NO NA

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) G

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) G

I certify that I attached a label with the unique LIMS number to each container (Initial) G

21. Were there Non-Conformance issues at login? YES NO Was a PIPE generated? YES NO #







# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NWB2187  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
2/28/2012 5:46:26 PM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB2187

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWB2187-01	Tract 22 SB-1 (0-2)	Soil	12/08/11 11:45	02/15/12 18:17
NWB2187-02	Tract 26 SB-1 (0-2)	Soil	01/26/12 10:00	01/26/12 10:00

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## Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB2187

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB2187

## Client Sample ID: Tract 22 SB-1 (0-2)

Lab Sample ID: NWB2187-01

Date Collected: 12/08/11 11:45

Matrix: Soil

Date Received: 02/15/12 18:17

### Method: SW846 1311/6010C - TCLP Metals by 6000/7000 Series Methods - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.511		0.0500	0.0250	mg/L		02/23/12 11:42	02/28/12 11:56	1.00

## Client Sample ID: Tract 26 SB-1 (0-2)

Lab Sample ID: NWB2187-02

Date Collected: 01/26/12 10:00

Matrix: Soil

Date Received: 01/26/12 10:00

### Method: SW846 1311/6010C - TCLP Metals by 6000/7000 Series Methods - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.199		0.0500	0.0250	mg/L		02/23/12 10:57	02/24/12 19:11	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB2187

## Method: SW846 1311/6010C - TCLP Metals by 6000/7000 Series Methods

**Lab Sample ID: 12B5640-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12B5640**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 12B5640\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0250		0.0500	0.0250	mg/L		02/23/12 10:57	02/24/12 19:01	1.00

**Lab Sample ID: 12B5640-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12B5640**

**Client Sample ID: Lab Control Sample**  
**Prep Type: TCLP**  
**Prep Batch: 12B5640\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	10.0	10.3		mg/L		103	80 - 120

**Lab Sample ID: 12B5640-MS1**  
**Matrix: Soil**  
**Analysis Batch: 12B5640**

**Client Sample ID: Tract 26 SB-1 (0-2)**  
**Prep Type: TCLP**  
**Prep Batch: 12B5640\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.199		10.0	11.0		mg/L		108	75 - 125

**Lab Sample ID: 12B5640-MSD1**  
**Matrix: Soil**  
**Analysis Batch: 12B5640**

**Client Sample ID: Tract 26 SB-1 (0-2)**  
**Prep Type: TCLP**  
**Prep Batch: 12B5640\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.199		10.0	10.9		mg/L		107	75 - 125	1	20

**Lab Sample ID: 12B5710-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12B5710**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 12B5710\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0250		0.0500	0.0250	mg/L		02/23/12 11:42	02/28/12 11:43	1.00

**Lab Sample ID: 12B5710-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12B5710**

**Client Sample ID: Lab Control Sample**  
**Prep Type: TCLP**  
**Prep Batch: 12B5710\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	10.0	9.79		mg/L		98	80 - 120

**Lab Sample ID: 12B5710-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 12B5710**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: TCLP**  
**Prep Batch: 12B5710\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	10.0	9.85		mg/L		99	80 - 120	0.6	20

**Lab Sample ID: 12B5710-MS1**  
**Matrix: Soil**  
**Analysis Batch: 12B5710**

**Client Sample ID: Tract 22 SB-1 (0-2)**  
**Prep Type: TCLP**  
**Prep Batch: 12B5710\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.511		10.0	10.7		mg/L		102	75 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
 Project/Site: 1131-08-554

TestAmerica Job ID: NWB2187

## Method: SW846 1311/6010C - TCLP Metals by 6000/7000 Series Methods (Continued)

Lab Sample ID: 12B5710-MSD1  
 Matrix: Soil  
 Analysis Batch: 12B5710

Client Sample ID: Tract 22 SB-1 (0-2)  
 Prep Type: TCLP  
 Prep Batch: 12B5710\_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.511		10.0	10.9		mg/L		104	75 - 125	2	20



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB2187

## Metals

### Leach Batch: 12B5064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWB2187-02	Tract 26 SB-1 (0-2)	TCLP	Soil	TCLP Extraction	

### Leach Batch: 12B5353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWB2187-01	Tract 22 SB-1 (0-2)	TCLP	Soil	TCLP Extraction	

### Analysis Batch: 12B5640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B5640-BLK1	Method Blank	TCLP	Soil	SW846 1311/6010C	12B5640_P
12B5640-BS1	Lab Control Sample	TCLP	Soil	SW846 1311/6010C	12B5640_P
12B5640-MS1	Tract 26 SB-1 (0-2)	TCLP	Soil	SW846 1311/6010C	12B5640_P
12B5640-MSD1	Tract 26 SB-1 (0-2)	TCLP	Soil	SW846 1311/6010C	12B5640_P
NWB2187-02	Tract 26 SB-1 (0-2)	TCLP	Soil	SW846 1311/6010C	12B5640_P

### Analysis Batch: 12B5710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B5710-BLK1	Method Blank	TCLP	Soil	SW846 1311/6010C	12B5710_P
12B5710-BS1	Lab Control Sample	TCLP	Soil	SW846 1311/6010C	12B5710_P
12B5710-BSD1	Lab Control Sample Dup	TCLP	Soil	SW846 1311/6010C	12B5710_P
12B5710-MS1	Tract 22 SB-1 (0-2)	TCLP	Soil	SW846 1311/6010C	12B5710_P
12B5710-MSD1	Tract 22 SB-1 (0-2)	TCLP	Soil	SW846 1311/6010C	12B5710_P
NWB2187-01	Tract 22 SB-1 (0-2)	TCLP	Soil	SW846 1311/6010C	12B5710_P

### Prep Batch: 12B5640\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B5640-BLK1	Method Blank	TCLP	Soil	EPA 3010A / 6010	
12B5640-BS1	Lab Control Sample	TCLP	Soil	EPA 3010A / 6010	
12B5640-MS1	Tract 26 SB-1 (0-2)	TCLP	Soil	EPA 3010A / 6010	
12B5640-MSD1	Tract 26 SB-1 (0-2)	TCLP	Soil	EPA 3010A / 6010	
NWB2187-02	Tract 26 SB-1 (0-2)	TCLP	Soil	EPA 3010A / 6010	12B5064

### Prep Batch: 12B5710\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B5710-BLK1	Method Blank	TCLP	Soil	EPA 3010A / 6010	
12B5710-BS1	Lab Control Sample	TCLP	Soil	EPA 3010A / 6010	
12B5710-BSD1	Lab Control Sample Dup	TCLP	Soil	EPA 3010A / 6010	
12B5710-MS1	Tract 22 SB-1 (0-2)	TCLP	Soil	EPA 3010A / 6010	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB2187

## Metals (Continued)

### Prep Batch: 12B5710\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B5710-MSD1	Tract 22 SB-1 (0-2)	TCLP	Soil	EPA 3010A / 6010	
NWB2187-01	Tract 22 SB-1 (0-2)	TCLP	Soil	EPA 3010A / 6010	12B5353

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# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB2187

## Client Sample ID: Tract 22 SB-1 (0-2)

Lab Sample ID: NWB2187-01

Date Collected: 12/08/11 11:45

Matrix: Soil

Date Received: 02/15/12 18:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	TCLP Extraction		1.00	12B5353	02/22/12 16:30	SJM	TAL NSH
TCLP	Prep	EPA 3010A / 6010		1.00	12B5710_P	02/23/12 11:42	CXU	TAL NSH
TCLP	Analysis	SW846 1311/6010C		1.00	12B5710	02/28/12 11:56	LTB	TAL NSH

## Client Sample ID: Tract 26 SB-1 (0-2)

Lab Sample ID: NWB2187-02

Date Collected: 01/26/12 10:00

Matrix: Soil

Date Received: 01/26/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	TCLP Extraction		1.00	12B5064	02/21/12 16:10	SJM	TAL NSH
TCLP	Prep	EPA 3010A / 6010		1.00	12B5640_P	02/23/12 10:57	CXU	TAL NSH
TCLP	Analysis	SW846 1311/6010C		1.00	12B5640	02/24/12 19:11	LTB	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB2187

Method	Method Description	Protocol	Laboratory
SW846 1311/6010C	TCLP Metals by 6000/7000 Series Methods		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



## Certification Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB2187

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska DEC (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana DEQ (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

NWB2187

**Hayes, Ken**

**From:** Brailsford, Teresa  
**Sent:** Wednesday, February 15, 2012 9:25 AM  
**To:** Hayes, Ken  
**Subject:** FW: Port Access Road/1131-08-554

Please analyze samples  
 NVL1567-01 (client sample ID: Tract 22 SB-1 (0-2)) and NWA4535-01  
 For TCLP Lead.

See below.  
 Contact me if any questions.  
 Regards,

**Teresa Brailsford**  
 Service Center Manager - Charleston, SC

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING

1436A North Point Lane  
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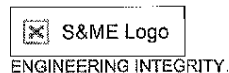
**From:** Mary Beth Cline [mailto:MCline@smeinc.com]  
**Sent:** Wednesday, February 15, 2012 10:23 AM  
**To:** Brailsford, Teresa  
**Subject:** Port Access Road/1131-08-554

Teresa,

Will you have the lab run TCLP lead for samples NVL1567-01 (client sample ID: Tract 22 SB-1 (0-2)) and NWA4535-01 (client sample ID: Tract 26 BS-1 (0-2))?

Thanks,  
 Mary Beth.

**Mary Beth Cline, P.E.**  
 Project Engineer



S&ME, Inc.  
 620 Wando Park Boulevard  
 Mt. Pleasant SC 29464 [Map](#)  
 Ph: 843.884.0005  
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[mcline@smeinc.com](mailto:mcline@smeinc.com)  
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**COOLER RECEIPT**



NVL 1587  
 NWB 2187

Cooler Received/Opened On 12/10/2011 @ 0815

1. Tracking # 4172 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 0.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: (2) Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) AN

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) AN

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) B

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) BF

I certify that I attached a label with the unique LIMS number to each container (initial) BF

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO..#

COOLER RECEIPT FORM

Cooler Received/Opened On 12/10/2011 @ 0815

1. Tracking # 9117 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 1.8 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? 2 Front YES...NO...NA  
If yes, how many and where:

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) F

7. Were custody seals on containers: YES NO and intact YES...NO...NA  
Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (Initial) F

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) F

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) F

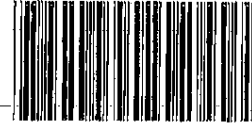
I certify that I attached a label with the unique LIMS number to each container (Initial) F

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO





**COOLER RECEIPT**



Cooler Received/Opened On 1/27/2012 @ 08:15

←NWA4595  
NWB2187

1. Tracking # 6995 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.3 Degrees Celsius

3. It Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) EB

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (Initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) W

I certify that I attached a label with the unique LIMS number to each container (Initial) W

21. Were there Non-Conformance Issues at login? YES...NO Was a PIPE generated? YES...NO...# \_\_\_\_\_

**COOLER RECEIPT FORM**

~~NWA4535~~  
 02/10/12 08:50  
 NWB 2187

Cooler Received/Opened On 1/27/2012@ 8:15

1. Tracking # 6955 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID 95610068

2. Temperature of rep. sample or temp blank when opened: 2.4 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) JH

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) W

I certify that I attached a label with the unique LIMS number to each container (initial) W

21. Were there Non-Conformance Issues at login? YES...NO Was a PIPE generated? YES...NO #



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NWB3949  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
3/12/2012 11:57:49 AM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWB3949-01	Tract 1 SB-1 (0-2)	Soil	02/28/12 11:15	02/29/12 08:20
NWB3949-02	Tract 1 SB-1 (36-40)	Soil	02/28/12 11:30	02/29/12 08:20
NWB3949-03	Tract 1 TW-1 (54-60)	Ground Water	02/28/12 11:45	02/29/12 08:20
NWB3949-04	Tract 1 SB-2 (0-2)	Soil	02/28/12 15:30	02/29/12 08:20
NWB3949-05	Tract 1 SB-2 (50-54)	Soil	02/28/12 15:45	02/29/12 08:20
NWB3949-06	Tract 1 TW-2 (26-30)	Ground Water	02/28/12 15:55	02/29/12 08:20
NWB3949-07	Trip Blank	Water	02/28/12 00:01	02/29/12 08:20
NWB3949-08	Trip Blank 2	Water	02/28/12 00:01	02/29/12 08:20



# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
L2	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
R2	The RPD exceeded the acceptance limit.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GCMS Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
P7	Sample filtered in lab.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 SB-1 (0-2)**

**Lab Sample ID: NWB3949-01**

**Date Collected: 02/28/12 11:15**

**Matrix: Soil**

**Date Received: 02/29/12 08:20**

**Percent Solids: 88.8**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0236		0.0472	0.0236	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Benzene	<0.00104		0.00189	0.00104	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Bromochloromethane	<0.00113		0.00189	0.00113	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Bromodichloromethane	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Bromoform	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Bromomethane	<0.00113		0.00189	0.00113	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
2-Butanone	<0.0236		0.0472	0.0236	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Carbon disulfide	<0.00340		0.00472	0.00340	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Carbon Tetrachloride	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Chlorobenzene	<0.00104		0.00189	0.00104	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Chlorodibromomethane	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Chloroethane	<0.00236		0.00472	0.00236	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Chloroform	<0.00123		0.00189	0.00123	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Chloromethane	<0.00104		0.00189	0.00104	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Cyclohexane	<0.00472		0.00945	0.00472	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,2-Dibromo-3-chloropropane	<0.00236		0.00472	0.00236	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,2-Dibromoethane (EDB)	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Methylcyclohexane	<0.00472		0.00945	0.00472	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,2-Dichlorobenzene	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,3-Dichlorobenzene	<0.00113		0.00189	0.00113	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,4-Dichlorobenzene	<0.00104		0.00189	0.00104	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Dichlorodifluoromethane	<0.00132		0.00189	0.00132	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,2-Dichloroethane	<0.00104		0.00189	0.00104	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,1-Dichloroethane	<0.00123		0.00189	0.00123	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,1-Dichloroethene	<0.00113		0.00189	0.00113	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
trans-1,2-Dichloroethene	<0.00123		0.00189	0.00123	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,1,2-Trifluorotrchloroethane	<0.00104		0.00189	0.00104	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
cis-1,2-Dichloroethene	<0.00104		0.00189	0.00104	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,2-Dichloropropane	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
trans-1,3-Dichloropropene	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
cis-1,3-Dichloropropene	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Ethylbenzene	<0.00104		0.00189	0.00104	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
2-Hexanone	<0.0236		0.0472	0.0236	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Isopropylbenzene	<0.00104		0.00189	0.00104	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Methyl Acetate	<0.00472		0.00945	0.00472	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Methyl tert-Butyl Ether	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Methylene Chloride	<0.00472		0.00945	0.00472	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
4-Methyl-2-pentanone	<0.0236		0.0472	0.0236	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Styrene	<0.00104		0.00189	0.00104	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,1,2,2-Tetrachloroethane	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Tetrachloroethene	<0.00123		0.00189	0.00123	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Toluene	<0.00104		0.00189	0.00104	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,2,4-Trichlorobenzene	<0.00113		0.00189	0.00113	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,2,3-Trichlorobenzene	<0.00104		0.00189	0.00104	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,1,1-Trichloroethane	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
1,1,2-Trichloroethane	<0.00236		0.00472	0.00236	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Trichloroethene	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Trichlorofluoromethane	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Vinyl chloride	<0.000945		0.00189	0.000945	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00
Xylenes, total	<0.00236		0.00472	0.00236	mg/kg dry	☼	02/28/12 11:15	03/02/12 00:39	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 SB-1 (0-2)**

**Lab Sample ID: NWB3949-01**

**Date Collected: 02/28/12 11:15**

**Matrix: Soil**

**Date Received: 02/29/12 08:20**

**Percent Solids: 88.8**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	98		70 - 130	02/28/12 11:15	03/02/12 00:39	1.00
Dibromofluoromethane	94		70 - 130	02/28/12 11:15	03/02/12 00:39	1.00
Toluene-d8	103		70 - 130	02/28/12 11:15	03/02/12 00:39	1.00
4-Bromofluorobenzene	108		70 - 130	02/28/12 11:15	03/02/12 00:39	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Acenaphthylene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Anthracene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Benzo (a) anthracene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Benzo (a) pyrene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Benzo (b) fluoranthene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Benzo (g,h,i) perylene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Benzo (k) fluoranthene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
4-Bromophenyl phenyl ether	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Butyl benzyl phthalate	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Carbazole	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
4-Chloro-3-methylphenol	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
4-Chloroaniline	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Bis(2-chloroethoxy)methane	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Bis(2-chloroethyl)ether	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Bis(2-chloroisopropyl)ether	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
2-Chloronaphthalene	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
2-Chlorophenol	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
4-Chlorophenyl phenyl ether	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Chrysene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Dibenz (a,h) anthracene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Dibenzofuran	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Di-n-butyl phthalate	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
1,4-Dichlorobenzene	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
1,2-Dichlorobenzene	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
1,3-Dichlorobenzene	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
3,3-Dichlorobenzidine	<0.183		0.729	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
2,4-Dichlorophenol	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Diethyl phthalate	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
2,4-Dimethylphenol	<0.210		0.364	0.210	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Dimethyl phthalate	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
4,6-Dinitro-2-methylphenol	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
2,4-Dinitrophenol	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
2,6-Dinitrotoluene	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
2,4-Dinitrotoluene	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Di-n-octyl phthalate	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Bis(2-ethylhexyl)phthalate	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Fluoranthene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Fluorene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Hexachlorobenzene	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Hexachlorobutadiene	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Hexachlorocyclopentadiene	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Hexachloroethane	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Indeno (1,2,3-cd) pyrene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Isophorone	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 SB-1 (0-2)**

**Lab Sample ID: NWB3949-01**

**Date Collected: 02/28/12 11:15**

**Matrix: Soil**

**Date Received: 02/29/12 08:20**

**Percent Solids: 88.8**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
2-Methylphenol	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
3/4-Methylphenol	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Naphthalene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
3-Nitroaniline	<0.183		0.910	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
2-Nitroaniline	<0.183		0.910	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
4-Nitroaniline	<0.183		0.910	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Nitrobenzene	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
4-Nitrophenol	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
2-Nitrophenol	<0.214		0.364	0.214	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
N-Nitrosodiphenylamine	<0.200		0.364	0.200	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
N-Nitrosodi-n-propylamine	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Pentachlorophenol	<0.183		0.910	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Phenanthrene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Phenol	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
Pyrene	<0.0372		0.0732	0.0372	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
1,2,4-Trichlorobenzene	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
2,4,6-Trichlorophenol	<0.183		0.364	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00
2,4,5-Trichlorophenol	<0.183		0.910	0.183	mg/kg dry	☼	03/02/12 07:08	03/02/12 20:50	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	64		18 - 120	03/02/12 07:08	03/02/12 20:50	1.00
2,4,6-Tribromophenol	50		19 - 120	03/02/12 07:08	03/02/12 20:50	1.00
Phenol-d5	56		18 - 120	03/02/12 07:08	03/02/12 20:50	1.00
2-Fluorobiphenyl	52		14 - 120	03/02/12 07:08	03/02/12 20:50	1.00
2-Fluorophenol	54		17 - 120	03/02/12 07:08	03/02/12 20:50	1.00
Nitrobenzene-d5	58		17 - 120	03/02/12 07:08	03/02/12 20:50	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>7730</b>		21.9	11.0	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
Antimony	<5.49		11.0	5.49	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
<b>Arsenic</b>	<b>6.63</b>	<b>B</b>	1.10	0.549	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
<b>Barium</b>	<b>20.9</b>		2.19	1.10	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
Beryllium	<0.549		1.10	0.549	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
Cadmium	<0.549		1.10	0.549	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
<b>Calcium</b>	<b>15700</b>		110	54.9	mg/kg dry	☼	03/01/12 08:10	03/07/12 10:08	1.00
<b>Chromium</b>	<b>11.3</b>		1.10	0.549	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
Cobalt	<1.65		3.29	1.65	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
<b>Copper</b>	<b>2.15</b>	<b>J</b>	2.19	1.10	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
<b>Iron</b>	<b>6040</b>	<b>B</b>	11.0	5.49	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
<b>Lead</b>	<b>17.9</b>		1.10	0.549	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
<b>Magnesium</b>	<b>701</b>		110	54.9	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
<b>Manganese</b>	<b>53.1</b>		3.29	1.65	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
<b>Nickel</b>	<b>2.33</b>		2.19	1.10	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
<b>Potassium</b>	<b>504</b>		110	54.9	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
Selenium	<1.10		2.19	1.10	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
Silver	<0.549		1.10	0.549	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
<b>Sodium</b>	<b>200</b>	<b>J</b>	219	110	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
Thallium	<1.10		2.19	1.10	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00
<b>Vanadium</b>	<b>14.0</b>		11.0	5.49	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Client Sample ID: Tract 1 SB-1 (0-2)

Lab Sample ID: NWB3949-01

Date Collected: 02/28/12 11:15

Matrix: Soil

Date Received: 02/29/12 08:20

Percent Solids: 88.8

### Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	14.6		11.0	5.49	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:21	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.055		0.11	0.055	mg/kg dry	☼	03/02/12 09:40	03/02/12 11:54	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	88.8		0.500	0.500	%		03/01/12 10:20	03/02/12 09:39	1.00

## Client Sample ID: Tract 1 SB-1 (36-40)

Lab Sample ID: NWB3949-02

Date Collected: 02/28/12 11:30

Matrix: Soil

Date Received: 02/29/12 08:20

Percent Solids: 48.6

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.105	J	0.110	0.0551	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Benzene	<0.00243		0.00441	0.00243	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Bromochloromethane	<0.00265		0.00441	0.00265	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Bromodichloromethane	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Bromoform	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Bromomethane	<0.00265		0.00441	0.00265	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
2-Butanone	<0.0551		0.110	0.0551	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Carbon disulfide	<0.00794		0.0110	0.00794	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Carbon Tetrachloride	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Chlorobenzene	<0.00243		0.00441	0.00243	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Chlorodibromomethane	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Chloroethane	<0.00551		0.0110	0.00551	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Chloroform	<0.00287		0.00441	0.00287	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Chloromethane	<0.00243		0.00441	0.00243	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Cyclohexane	<0.0110		0.0220	0.0110	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,2-Dibromo-3-chloropropane	<0.00551		0.0110	0.00551	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,2-Dibromoethane (EDB)	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Methylcyclohexane	<0.0110		0.0220	0.0110	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,2-Dichlorobenzene	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,3-Dichlorobenzene	<0.00265		0.00441	0.00265	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,4-Dichlorobenzene	<0.00243		0.00441	0.00243	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Dichlorodifluoromethane	<0.00309		0.00441	0.00309	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,2-Dichloroethane	<0.00243		0.00441	0.00243	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,1-Dichloroethane	<0.00287		0.00441	0.00287	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,1-Dichloroethene	<0.00265		0.00441	0.00265	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
trans-1,2-Dichloroethene	<0.00287		0.00441	0.00287	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,1,2-Trifluorotrchloroethane	<0.00243		0.00441	0.00243	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
cis-1,2-Dichloroethene	<0.00243		0.00441	0.00243	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,2-Dichloropropane	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
trans-1,3-Dichloropropene	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
cis-1,3-Dichloropropene	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Ethylbenzene	<0.00243		0.00441	0.00243	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
2-Hexanone	<0.0551		0.110	0.0551	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Isopropylbenzene	<0.00243		0.00441	0.00243	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Methyl Acetate	<0.0110		0.0220	0.0110	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Methyl tert-Butyl Ether	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 SB-1 (36-40)**

**Lab Sample ID: NWB3949-02**

**Date Collected: 02/28/12 11:30**

**Matrix: Soil**

**Date Received: 02/29/12 08:20**

**Percent Solids: 48.6**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.0110		0.0220	0.0110	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
4-Methyl-2-pentanone	<0.0551		0.110	0.0551	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Styrene	<0.00243		0.00441	0.00243	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,1,2,2-Tetrachloroethane	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Tetrachloroethene	<0.00287		0.00441	0.00287	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Toluene	<0.00243		0.00441	0.00243	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,2,4-Trichlorobenzene	<0.00265		0.00441	0.00265	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,2,3-Trichlorobenzene	<0.00243		0.00441	0.00243	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,1,1-Trichloroethane	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
1,1,2-Trichloroethane	<0.00551		0.0110	0.00551	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Trichloroethene	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Trichlorofluoromethane	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Vinyl chloride	<0.00220		0.00441	0.00220	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00
Xylenes, total	<0.00551		0.0110	0.00551	mg/kg dry	☼	02/28/12 11:30	03/02/12 01:07	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130	02/28/12 11:30	03/02/12 01:07	1.00
Dibromofluoromethane	98		70 - 130	02/28/12 11:30	03/02/12 01:07	1.00
Toluene-d8	102		70 - 130	02/28/12 11:30	03/02/12 01:07	1.00
4-Bromofluorobenzene	106		70 - 130	02/28/12 11:30	03/02/12 01:07	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Acenaphthylene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Anthracene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Benzo (a) anthracene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Benzo (a) pyrene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Benzo (b) fluoranthene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Benzo (g,h,i) perylene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Benzo (k) fluoranthene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
4-Bromophenyl phenyl ether	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Butyl benzyl phthalate	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Carbazole	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
4-Chloro-3-methylphenol	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
4-Chloroaniline	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Bis(2-chloroethoxy)methane	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Bis(2-chloroethyl)ether	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Bis(2-chloroisopropyl)ether	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2-Chloronaphthalene	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2-Chlorophenol	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
4-Chlorophenyl phenyl ether	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Chrysene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Dibenz (a,h) anthracene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Dibenzofuran	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Di-n-butyl phthalate	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
1,4-Dichlorobenzene	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
1,2-Dichlorobenzene	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
1,3-Dichlorobenzene	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
3,3-Dichlorobenzidine	<0.338		1.35	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2,4-Dichlorophenol	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 SB-1 (36-40)**

**Lab Sample ID: NWB3949-02**

**Date Collected: 02/28/12 11:30**

**Matrix: Soil**

**Date Received: 02/29/12 08:20**

**Percent Solids: 48.6**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2,4-Dimethylphenol	<0.389		0.674	0.389	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Dimethyl phthalate	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
4,6-Dinitro-2-methylphenol	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2,4-Dinitrophenol	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2,6-Dinitrotoluene	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2,4-Dinitrotoluene	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Di-n-octyl phthalate	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Bis(2-ethylhexyl)phthalate	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Fluoranthene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Fluorene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Hexachlorobenzene	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Hexachlorobutadiene	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Hexachlorocyclopentadiene	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Hexachloroethane	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Indeno (1,2,3-cd) pyrene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Isophorone	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2-Methylnaphthalene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2-Methylphenol	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
3/4-Methylphenol	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Naphthalene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
3-Nitroaniline	<0.338		1.69	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2-Nitroaniline	<0.338		1.69	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
4-Nitroaniline	<0.338		1.69	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Nitrobenzene	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
4-Nitrophenol	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2-Nitrophenol	<0.397		0.674	0.397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
N-Nitrosodiphenylamine	<0.371		0.674	0.371	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
N-Nitrosodi-n-propylamine	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Pentachlorophenol	<0.338		1.69	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Phenanthrene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Phenol	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
Pyrene	<0.0688		0.136	0.0688	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
1,2,4-Trichlorobenzene	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2,4,6-Trichlorophenol	<0.338		0.674	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00
2,4,5-Trichlorophenol	<0.338		1.69	0.338	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:11	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	69		18 - 120	03/02/12 07:08	03/02/12 21:11	1.00
2,4,6-Tribromophenol	49		19 - 120	03/02/12 07:08	03/02/12 21:11	1.00
Phenol-d5	57		18 - 120	03/02/12 07:08	03/02/12 21:11	1.00
2-Fluorobiphenyl	54		14 - 120	03/02/12 07:08	03/02/12 21:11	1.00
2-Fluorophenol	53		17 - 120	03/02/12 07:08	03/02/12 21:11	1.00
Nitrobenzene-d5	58		17 - 120	03/02/12 07:08	03/02/12 21:11	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	42000		40.7	20.3	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Antimony	<10.2		20.3	10.2	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Arsenic	13.8	B	2.03	1.02	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Barium	53.4		4.07	2.03	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 SB-1 (36-40)**

**Lab Sample ID: NWB3949-02**

Date Collected: 02/28/12 11:30

Matrix: Soil

Date Received: 02/29/12 08:20

Percent Solids: 48.6

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	1.55	J	2.03	1.02	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Cadmium	<1.02		2.03	1.02	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Calcium	32700		203	102	mg/kg dry	☼	03/01/12 08:10	03/07/12 10:11	1.00
Chromium	56.2		2.03	1.02	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Cobalt	10.3		6.10	3.05	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Copper	6.71		4.07	2.03	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Iron	37500	B	20.3	10.2	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Lead	15.2		2.03	1.02	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Magnesium	8240		203	102	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Manganese	448		6.10	3.05	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Nickel	17.1		4.07	2.03	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Potassium	4850		203	102	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Selenium	<2.03		4.07	2.03	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Silver	<1.02		2.03	1.02	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Sodium	554		407	203	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Thallium	<2.03		4.07	2.03	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Vanadium	67.4		20.3	10.2	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00
Zinc	55.8		20.3	10.2	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:25	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.10		0.20	0.10	mg/kg dry	☼	03/02/12 09:40	03/02/12 11:56	1.0

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	48.6		0.500	0.500	%		03/01/12 10:20	03/02/12 09:39	1.00

**Client Sample ID: Tract 1 TW-1 (54-60)**

**Lab Sample ID: NWB3949-03**

Date Collected: 02/28/12 11:45

Matrix: Ground Water

Date Received: 02/29/12 08:20

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0	L	50.0	25.0	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 TW-1 (54-60)**

**Lab Sample ID: NWB3949-03**

**Date Collected: 02/28/12 11:45**

**Matrix: Ground Water**

**Date Received: 02/29/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
<b>Toluene</b>	<b>0.650</b>	<b>J</b>	1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:13	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/01/12 06:56	03/01/12 10:13	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	111		70 - 130	03/01/12 06:56	03/01/12 10:13	1.00
Dibromofluoromethane	108		70 - 130	03/01/12 06:56	03/01/12 10:13	1.00
Toluene-d8	99		70 - 130	03/01/12 06:56	03/01/12 10:13	1.00
4-Bromofluorobenzene	98		70 - 130	03/01/12 06:56	03/01/12 10:13	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Acenaphthylene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Anthracene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Benzo (a) anthracene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Benzo (a) pyrene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Benzo (b) fluoranthene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Benzo (g,h,i) perylene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Benzo (k) fluoranthene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
4-Bromophenyl phenyl ether	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Butyl benzyl phthalate	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Carbazole	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 TW-1 (54-60)**

**Lab Sample ID: NWB3949-03**

**Date Collected: 02/28/12 11:45**

**Matrix: Ground Water**

**Date Received: 02/29/12 08:20**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
4-Chloroaniline	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Bis(2-chloroethoxy)methane	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Bis(2-chloroethyl)ether	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Bis(2-chloroisopropyl)ether	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
2-Chloronaphthalene	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
2-Chlorophenol	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
4-Chlorophenyl phenyl ether	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Chrysene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Dibenz (a,h) anthracene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Dibenzofuran	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Di-n-butyl phthalate	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
1,4-Dichlorobenzene	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
1,2-Dichlorobenzene	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
1,3-Dichlorobenzene	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
3,3-Dichlorobenzidine	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
2,4-Dichlorophenol	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Diethyl phthalate	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
2,4-Dimethylphenol	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Dimethyl phthalate	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
4,6-Dinitro-2-methylphenol	<12.4		23.8	12.4	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
2,4-Dinitrophenol	<12.4		23.8	12.4	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
2,6-Dinitrotoluene	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
2,4-Dinitrotoluene	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Di-n-octyl phthalate	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Bis(2-ethylhexyl)phthalate	<4.76	L	9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Fluoranthene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Fluorene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Hexachlorobenzene	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Hexachlorobutadiene	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Hexachlorocyclopentadiene	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Hexachloroethane	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Indeno (1,2,3-cd) pyrene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Isophorone	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
2-Methylnaphthalene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
2-Methylphenol	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Naphthalene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
3/4-Methylphenol	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
3-Nitroaniline	<12.4		23.8	12.4	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
2-Nitroaniline	<12.4		23.8	12.4	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
4-Nitroaniline	<12.4		23.8	12.4	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Nitrobenzene	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
4-Nitrophenol	<4.76		23.8	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
2-Nitrophenol	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
N-Nitrosodiphenylamine	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
N-Nitrosodi-n-propylamine	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Pentachlorophenol	<12.4		23.8	12.4	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Phenanthrene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Phenol	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Pyrene	<0.952		1.90	0.952	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
1,2,4-Trichlorobenzene	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 TW-1 (54-60)**

**Lab Sample ID: NWB3949-03**

**Date Collected: 02/28/12 11:45**

**Matrix: Ground Water**

**Date Received: 02/29/12 08:20**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<4.76		9.52	4.76	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
2,4,5-Trichlorophenol	<12.4		23.8	12.4	ug/L		03/01/12 11:20	03/03/12 04:38	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	40		13 - 120				03/01/12 11:20	03/03/12 04:38	1.00
2,4,6-Tribromophenol	5	ZX	10 - 120				03/01/12 11:20	03/03/12 04:38	1.00
Phenol-d5	10		10 - 120				03/01/12 11:20	03/03/12 04:38	1.00
2-Fluorobiphenyl	41		29 - 120				03/01/12 11:20	03/03/12 04:38	1.00
2-Fluorophenol	4	ZX	10 - 120				03/01/12 11:20	03/03/12 04:38	1.00
Nitrobenzene-d5	47		27 - 120				03/01/12 11:20	03/03/12 04:38	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500	P7	0.100	0.0500	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
<b>Arsenic</b>	<b>0.00600</b>	<b>P7 J</b>	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
<b>Barium</b>	<b>0.0109</b>	<b>P7</b>	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Cadmium	<0.000600	P7	0.00100	0.000600	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
<b>Calcium</b>	<b>39.4</b>	<b>P7</b>	1.00	0.500	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Cobalt	<0.0100	P7	0.0200	0.0100	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Iron	<0.0250	P7	0.0500	0.0250	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
<b>Lead</b>	<b>0.00460</b>	<b>P7 J</b>	0.00500	0.00250	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
<b>Magnesium</b>	<b>24.2</b>	<b>P7</b>	1.00	0.500	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
<b>Manganese</b>	<b>0.245</b>	<b>P7</b>	0.0150	0.00750	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Nickel	<0.00500	P7	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
<b>Potassium</b>	<b>22.7</b>	<b>P7</b>	1.00	0.500	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Silver	<0.00250	P7	0.00500	0.00250	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
<b>Sodium</b>	<b>73.6</b>	<b>P7 B</b>	1.00	0.500	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		03/08/12 07:24	03/09/12 16:51	1.00
Zinc	<0.0250	P7	0.0500	0.0250	mg/L		03/08/12 07:24	03/09/12 16:51	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>2.15</b>		0.100	0.0500	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
<b>Barium</b>	<b>0.0115</b>		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
<b>Calcium</b>	<b>100</b>		1.00	0.500	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
<b>Chromium</b>	<b>0.0121</b>		0.00500	0.00250	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
<b>Copper</b>	<b>0.00800</b>	<b>J</b>	0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
<b>Iron</b>	<b>5.65</b>	<b>B</b>	0.0500	0.0250	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
<b>Lead</b>	<b>0.0120</b>		0.00500	0.00250	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
<b>Magnesium</b>	<b>23.1</b>		1.00	0.500	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
<b>Manganese</b>	<b>0.198</b>		0.0150	0.00750	mg/L		03/06/12 09:33	03/07/12 18:53	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 TW-1 (54-60)**

**Lab Sample ID: NWB3949-03**

**Date Collected: 02/28/12 11:45**

**Matrix: Ground Water**

**Date Received: 02/29/12 08:20**

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.00790	J	0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
Potassium	9.10		1.00	0.500	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
Sodium	28.8		1.00	0.500	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		03/06/12 09:33	03/07/12 18:53	1.00
Zinc	0.138		0.0500	0.0250	mg/L		03/06/12 09:33	03/07/12 18:53	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/07/12 12:20	03/07/12 15:08	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/05/12 12:40	03/07/12 09:54	1.00

**Client Sample ID: Tract 1 SB-2 (0-2)**

**Lab Sample ID: NWB3949-04**

**Date Collected: 02/28/12 15:30**

**Matrix: Soil**

**Date Received: 02/29/12 08:20**

**Percent Solids: 83.6**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0387	J	0.0509	0.0254	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Benzene	0.00369		0.00203	0.00112	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Bromochloromethane	<0.00122		0.00203	0.00122	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Bromodichloromethane	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Bromoform	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Bromomethane	<0.00122		0.00203	0.00122	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
2-Butanone	<0.0254		0.0509	0.0254	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Carbon disulfide	<0.00366		0.00509	0.00366	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Carbon Tetrachloride	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Chlorobenzene	<0.00112		0.00203	0.00112	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Chlorodibromomethane	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Chloroethane	<0.00254		0.00509	0.00254	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Chloroform	<0.00132		0.00203	0.00132	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Chloromethane	<0.00112		0.00203	0.00112	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Cyclohexane	<0.00509		0.0102	0.00509	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,2-Dibromo-3-chloropropane	<0.00254		0.00509	0.00254	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,2-Dibromoethane (EDB)	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Methylcyclohexane	<0.00509		0.0102	0.00509	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,2-Dichlorobenzene	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,3-Dichlorobenzene	<0.00122		0.00203	0.00122	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,4-Dichlorobenzene	<0.00112		0.00203	0.00112	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Dichlorodifluoromethane	<0.00142		0.00203	0.00142	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,2-Dichloroethane	<0.00112		0.00203	0.00112	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,1-Dichloroethane	<0.00132		0.00203	0.00132	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,1-Dichloroethene	<0.00122		0.00203	0.00122	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
trans-1,2-Dichloroethene	<0.00132		0.00203	0.00132	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,1,2-Trifluorotrchloroethane	<0.00112		0.00203	0.00112	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
cis-1,2-Dichloroethene	<0.00112		0.00203	0.00112	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,2-Dichloropropane	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 SB-2 (0-2)**

**Lab Sample ID: NWB3949-04**

**Date Collected: 02/28/12 15:30**

**Matrix: Soil**

**Date Received: 02/29/12 08:20**

**Percent Solids: 83.6**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
cis-1,3-Dichloropropene	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Ethylbenzene	<0.00112		0.00203	0.00112	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
2-Hexanone	<0.0254		0.0509	0.0254	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Isopropylbenzene	<0.00112		0.00203	0.00112	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Methyl Acetate	<0.00509		0.0102	0.00509	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Methyl tert-Butyl Ether	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Methylene Chloride	<0.00509		0.0102	0.00509	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
4-Methyl-2-pentanone	<0.0254		0.0509	0.0254	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Styrene	<0.00112		0.00203	0.00112	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,1,2,2-Tetrachloroethane	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Tetrachloroethene	<0.00132		0.00203	0.00132	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
<b>Toluene</b>	<b>0.00128</b>	<b>J</b>	0.00203	0.00112	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,2,4-Trichlorobenzene	<0.00122		0.00203	0.00122	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,2,3-Trichlorobenzene	<0.00112		0.00203	0.00112	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,1,1-Trichloroethane	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
1,1,2-Trichloroethane	<0.00254		0.00509	0.00254	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Trichloroethene	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Trichlorofluoromethane	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Vinyl chloride	<0.00102		0.00203	0.00102	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00
Xylenes, total	<0.00254		0.00509	0.00254	mg/kg dry	☼	02/28/12 15:30	03/02/12 01:35	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	97		70 - 130	02/28/12 15:30	03/02/12 01:35	1.00
Dibromofluoromethane	94		70 - 130	02/28/12 15:30	03/02/12 01:35	1.00
Toluene-d8	102		70 - 130	02/28/12 15:30	03/02/12 01:35	1.00
4-Bromofluorobenzene	109		70 - 130	02/28/12 15:30	03/02/12 01:35	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0397		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Acenaphthylene	<0.0397		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Anthracene	<0.0397		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
<b>Benzo (a) anthracene</b>	<b>0.0708</b>	<b>J</b>	0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
<b>Benzo (a) pyrene</b>	<b>0.0715</b>	<b>J</b>	0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
<b>Benzo (b) fluoranthene</b>	<b>0.174</b>		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
<b>Benzo (g,h,i) perylene</b>	<b>0.0490</b>	<b>J</b>	0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
<b>Benzo (k) fluoranthene</b>	<b>0.111</b>		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
4-Bromophenyl phenyl ether	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Butyl benzyl phthalate	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Carbazole	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
4-Chloro-3-methylphenol	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
4-Chloroaniline	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Bis(2-chloroethoxy)methane	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Bis(2-chloroethyl)ether	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Bis(2-chloroisopropyl)ether	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2-Chloronaphthalene	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2-Chlorophenol	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
4-Chlorophenyl phenyl ether	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
<b>Chrysene</b>	<b>0.207</b>		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Dibenz (a,h) anthracene	<0.0397		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 SB-2 (0-2)**

**Lab Sample ID: NWB3949-04**

**Date Collected: 02/28/12 15:30**

**Matrix: Soil**

**Date Received: 02/29/12 08:20**

**Percent Solids: 83.6**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Di-n-butyl phthalate	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
1,4-Dichlorobenzene	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
1,2-Dichlorobenzene	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
1,3-Dichlorobenzene	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
3,3-Dichlorobenzidine	<0.195		0.778	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2,4-Dichlorophenol	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Diethyl phthalate	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2,4-Dimethylphenol	<0.224		0.388	0.224	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Dimethyl phthalate	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
4,6-Dinitro-2-methylphenol	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2,4-Dinitrophenol	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2,6-Dinitrotoluene	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2,4-Dinitrotoluene	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Di-n-octyl phthalate	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Bis(2-ethylhexyl)phthalate	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
<b>Fluoranthene</b>	<b>0.243</b>		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Fluorene	<0.0397		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Hexachlorobenzene	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Hexachlorobutadiene	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Hexachlorocyclopentadiene	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Hexachloroethane	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
<b>Indeno (1,2,3-cd) pyrene</b>	<b>0.0486 J</b>		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Isophorone	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2-Methylnaphthalene	<0.0397		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2-Methylphenol	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
3/4-Methylphenol	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Naphthalene	<0.0397		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
3-Nitroaniline	<0.195		0.972	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2-Nitroaniline	<0.195		0.972	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
4-Nitroaniline	<0.195		0.972	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Nitrobenzene	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
4-Nitrophenol	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2-Nitrophenol	<0.229		0.388	0.229	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
N-Nitrosodiphenylamine	<0.213		0.388	0.213	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
N-Nitrosodi-n-propylamine	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Pentachlorophenol	<0.195		0.972	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Phenanthrene	<0.0397		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Phenol	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
<b>Pyrene</b>	<b>0.185</b>		0.0782	0.0397	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
1,2,4-Trichlorobenzene	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2,4,6-Trichlorophenol	<0.195		0.388	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
2,4,5-Trichlorophenol	<0.195		0.972	0.195	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:32	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	65		18 - 120				03/02/12 07:08	03/02/12 21:32	1.00
2,4,6-Tribromophenol	52		19 - 120				03/02/12 07:08	03/02/12 21:32	1.00
Phenol-d5	57		18 - 120				03/02/12 07:08	03/02/12 21:32	1.00
2-Fluorobiphenyl	54		14 - 120				03/02/12 07:08	03/02/12 21:32	1.00
2-Fluorophenol	54		17 - 120				03/02/12 07:08	03/02/12 21:32	1.00
Nitrobenzene-d5	57		17 - 120				03/02/12 07:08	03/02/12 21:32	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 SB-2 (0-2)**

**Lab Sample ID: NWB3949-04**

Date Collected: 02/28/12 15:30

Matrix: Soil

Date Received: 02/29/12 08:20

Percent Solids: 83.6

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11900		23.1	11.6	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Antimony	<5.78		11.6	5.78	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Arsenic	7.52	B	1.16	0.578	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Barium	49.7		2.31	1.16	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Beryllium	<0.578		1.16	0.578	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Cadmium	<0.578		1.16	0.578	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Calcium	7150		116	57.8	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Chromium	16.1		1.16	0.578	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Cobalt	1.80	J	3.47	1.74	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Copper	7.15		2.31	1.16	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Iron	8500	B	11.6	5.78	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Lead	38.4		1.16	0.578	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Magnesium	639		116	57.8	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Manganese	61.2		3.47	1.74	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Nickel	4.07		2.31	1.16	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Potassium	494		116	57.8	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Selenium	1.41	J	2.31	1.16	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Silver	<0.578		1.16	0.578	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Sodium	168	J	231	116	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Thallium	<1.16		2.31	1.16	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Vanadium	16.1		11.6	5.78	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00
Zinc	33.6		11.6	5.78	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:38	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.11	0.057	mg/kg dry	☼	03/02/12 09:40	03/02/12 11:58	1.0

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	83.6		0.500	0.500	%		03/01/12 10:20	03/02/12 09:39	1.00

**Client Sample ID: Tract 1 SB-2 (50-54)**

**Lab Sample ID: NWB3949-05**

Date Collected: 02/28/12 15:45

Matrix: Soil

Date Received: 02/29/12 08:20

Percent Solids: 54.1

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0503	J	0.0940	0.0470	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Benzene	<0.00207		0.00376	0.00207	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Bromochloromethane	<0.00226		0.00376	0.00226	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Bromodichloromethane	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Bromoform	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Bromomethane	<0.00226		0.00376	0.00226	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
2-Butanone	<0.0470		0.0940	0.0470	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Carbon disulfide	<0.00677		0.00940	0.00677	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Carbon Tetrachloride	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Chlorobenzene	<0.00207		0.00376	0.00207	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Chlorodibromomethane	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Chloroethane	<0.00470		0.00940	0.00470	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Chloroform	<0.00244		0.00376	0.00244	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Chloromethane	<0.00207		0.00376	0.00207	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Cyclohexane	<0.00940		0.0188	0.00940	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 SB-2 (50-54)**

**Lab Sample ID: NWB3949-05**

**Date Collected: 02/28/12 15:45**

**Matrix: Soil**

**Date Received: 02/29/12 08:20**

**Percent Solids: 54.1**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-chloropropane	<0.00470		0.00940	0.00470	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,2-Dibromoethane (EDB)	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Methylcyclohexane	<0.00940		0.0188	0.00940	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,2-Dichlorobenzene	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,3-Dichlorobenzene	<0.00226		0.00376	0.00226	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,4-Dichlorobenzene	<0.00207		0.00376	0.00207	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Dichlorodifluoromethane	<0.00263		0.00376	0.00263	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,2-Dichloroethane	<0.00207		0.00376	0.00207	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,1-Dichloroethane	<0.00244		0.00376	0.00244	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,1-Dichloroethene	<0.00226		0.00376	0.00226	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
trans-1,2-Dichloroethene	<0.00244		0.00376	0.00244	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,1,2-Trifluorotrchloroethane	<0.00207		0.00376	0.00207	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
cis-1,2-Dichloroethene	<0.00207		0.00376	0.00207	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,2-Dichloropropane	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
trans-1,3-Dichloropropene	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
cis-1,3-Dichloropropene	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Ethylbenzene	<0.00207		0.00376	0.00207	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
2-Hexanone	<0.0470		0.0940	0.0470	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Isopropylbenzene	<0.00207		0.00376	0.00207	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Methyl Acetate	<0.00940		0.0188	0.00940	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Methyl tert-Butyl Ether	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Methylene Chloride	<0.00940		0.0188	0.00940	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
4-Methyl-2-pentanone	<0.0470		0.0940	0.0470	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Styrene	<0.00207		0.00376	0.00207	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,1,2,2-Tetrachloroethane	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Tetrachloroethene	<0.00244		0.00376	0.00244	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Toluene	<0.00207		0.00376	0.00207	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,2,4-Trichlorobenzene	<0.00226		0.00376	0.00226	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,2,3-Trichlorobenzene	<0.00207		0.00376	0.00207	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,1,1-Trichloroethane	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
1,1,2-Trichloroethane	<0.00470		0.00940	0.00470	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Trichloroethene	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Trichlorofluoromethane	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Vinyl chloride	<0.00188		0.00376	0.00188	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
Xylenes, total	<0.00470		0.00940	0.00470	mg/kg dry	☼	02/28/12 15:45	03/02/12 02:03	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	97		70 - 130				02/28/12 15:45	03/02/12 02:03	1.00
Dibromofluoromethane	92		70 - 130				02/28/12 15:45	03/02/12 02:03	1.00
Toluene-d8	102		70 - 130				02/28/12 15:45	03/02/12 02:03	1.00
4-Bromofluorobenzene	109		70 - 130				02/28/12 15:45	03/02/12 02:03	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Acenaphthylene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Anthracene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Benzo (a) anthracene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Benzo (a) pyrene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Benzo (b) fluoranthene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Benzo (g,h,i) perylene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 SB-2 (50-54)**

**Lab Sample ID: NWB3949-05**

**Date Collected: 02/28/12 15:45**

**Matrix: Soil**

**Date Received: 02/29/12 08:20**

**Percent Solids: 54.1**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo (k) fluoranthene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
4-Bromophenyl phenyl ether	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Butyl benzyl phthalate	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Carbazole	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
4-Chloro-3-methylphenol	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
4-Chloroaniline	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Bis(2-chloroethoxy)methane	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Bis(2-chloroethyl)ether	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Bis(2-chloroisopropyl)ether	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2-Chloronaphthalene	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2-Chlorophenol	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
4-Chlorophenyl phenyl ether	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Chrysene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Dibenz (a,h) anthracene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Dibenzofuran	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Di-n-butyl phthalate	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
1,4-Dichlorobenzene	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
1,2-Dichlorobenzene	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
1,3-Dichlorobenzene	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
3,3-Dichlorobenzidine	<0.305		1.22	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2,4-Dichlorophenol	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Diethyl phthalate	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2,4-Dimethylphenol	<0.351		0.609	0.351	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Dimethyl phthalate	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
4,6-Dinitro-2-methylphenol	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2,4-Dinitrophenol	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2,6-Dinitrotoluene	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2,4-Dinitrotoluene	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Di-n-octyl phthalate	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Bis(2-ethylhexyl)phthalate	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Fluoranthene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Fluorene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Hexachlorobenzene	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Hexachlorobutadiene	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Hexachlorocyclopentadiene	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Hexachloroethane	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Indeno (1,2,3-cd) pyrene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Isophorone	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2-Methylnaphthalene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2-Methylphenol	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
3/4-Methylphenol	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Naphthalene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
3-Nitroaniline	<0.305		1.52	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2-Nitroaniline	<0.305		1.52	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
4-Nitroaniline	<0.305		1.52	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Nitrobenzene	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
4-Nitrophenol	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2-Nitrophenol	<0.358		0.609	0.358	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
N-Nitrosodiphenylamine	<0.334		0.609	0.334	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
N-Nitrosodi-n-propylamine	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Pentachlorophenol	<0.305		1.52	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 SB-2 (50-54)**

**Lab Sample ID: NWB3949-05**

**Date Collected: 02/28/12 15:45**

**Matrix: Soil**

**Date Received: 02/29/12 08:20**

**Percent Solids: 54.1**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Phenol	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
Pyrene	<0.0621		0.122	0.0621	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
1,2,4-Trichlorobenzene	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2,4,6-Trichlorophenol	<0.305		0.609	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
2,4,5-Trichlorophenol	<0.305		1.52	0.305	mg/kg dry	☼	03/02/12 07:08	03/02/12 21:53	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Terphenyl-d14	68		18 - 120				03/02/12 07:08	03/02/12 21:53	1.00
2,4,6-Tribromophenol	54		19 - 120				03/02/12 07:08	03/02/12 21:53	1.00
Phenol-d5	59		18 - 120				03/02/12 07:08	03/02/12 21:53	1.00
2-Fluorobiphenyl	55		14 - 120				03/02/12 07:08	03/02/12 21:53	1.00
2-Fluorophenol	57		17 - 120				03/02/12 07:08	03/02/12 21:53	1.00
Nitrobenzene-d5	61		17 - 120				03/02/12 07:08	03/02/12 21:53	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>40400</b>		36.4	18.2	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
Antimony	<9.10		18.2	9.10	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Arsenic</b>	<b>12.5</b>	<b>B</b>	1.82	0.910	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Barium</b>	<b>53.6</b>		3.64	1.82	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Beryllium</b>	<b>1.57</b>	<b>J</b>	1.82	0.910	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
Cadmium	<0.910		1.82	0.910	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Calcium</b>	<b>10300</b>		182	91.0	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Chromium</b>	<b>59.7</b>		1.82	0.910	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Cobalt</b>	<b>10.4</b>		5.46	2.73	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Copper</b>	<b>8.30</b>		3.64	1.82	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Iron</b>	<b>33900</b>	<b>B</b>	18.2	9.10	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Lead</b>	<b>16.6</b>		1.82	0.910	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Magnesium</b>	<b>7310</b>		182	91.0	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Manganese</b>	<b>302</b>		5.46	2.73	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Nickel</b>	<b>17.9</b>		3.64	1.82	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Potassium</b>	<b>4280</b>		182	91.0	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Selenium</b>	<b>1.86</b>	<b>J</b>	3.64	1.82	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
Silver	<0.910		1.82	0.910	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Sodium</b>	<b>590</b>		364	182	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
Thallium	<1.82		3.64	1.82	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Vanadium</b>	<b>65.6</b>		18.2	9.10	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00
<b>Zinc</b>	<b>58.0</b>		18.2	9.10	mg/kg dry	☼	03/01/12 08:10	03/07/12 01:41	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.091		0.18	0.091	mg/kg dry	☼	03/02/12 09:40	03/02/12 12:00	1.0

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>% Dry Solids</b>	<b>54.1</b>		0.500	0.500	%		03/01/12 10:20	03/02/12 09:39	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 TW-2 (26-30)**

**Lab Sample ID: NWB3949-06**

**Date Collected: 02/28/12 15:55**

**Matrix: Ground Water**

**Date Received: 02/29/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0	L	50.0	25.0	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
<b>Toluene</b>	<b>0.790</b>	<b>J</b>	1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 10:41	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/01/12 06:56	03/01/12 10:41	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 TW-2 (26-30)**

**Lab Sample ID: NWB3949-06**

**Date Collected: 02/28/12 15:55**

**Matrix: Ground Water**

**Date Received: 02/29/12 08:20**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	110		70 - 130	03/01/12 06:56	03/01/12 10:41	1.00
Dibromofluoromethane	108		70 - 130	03/01/12 06:56	03/01/12 10:41	1.00
Toluene-d8	99		70 - 130	03/01/12 06:56	03/01/12 10:41	1.00
4-Bromofluorobenzene	101		70 - 130	03/01/12 06:56	03/01/12 10:41	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Anthracene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Carbazole	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Chrysene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Fluorene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Isophorone	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 TW-2 (26-30)**

**Lab Sample ID: NWB3949-06**

**Date Collected: 02/28/12 15:55**

**Matrix: Ground Water**

**Date Received: 02/29/12 08:20**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Phenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
Pyrene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/03/12 05:01	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/03/12 05:01	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	24		13 - 120	03/01/12 11:20	03/03/12 05:01	1.00
2,4,6-Tribromophenol	31		10 - 120	03/01/12 11:20	03/03/12 05:01	1.00
Phenol-d5	19		10 - 120	03/01/12 11:20	03/03/12 05:01	1.00
2-Fluorobiphenyl	32		29 - 120	03/01/12 11:20	03/03/12 05:01	1.00
2-Fluorophenol	30		10 - 120	03/01/12 11:20	03/03/12 05:01	1.00
Nitrobenzene-d5	35		27 - 120	03/01/12 11:20	03/03/12 05:01	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500	P7	0.100	0.0500	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Arsenic	<0.00500	P7	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Barium	<0.00500	P7	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Cadmium	<0.000600	P7	0.00100	0.000600	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
<b>Calcium</b>	<b>35.8</b>	<b>P7</b>	1.00	0.500	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Cobalt	<0.0100	P7	0.0200	0.0100	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Iron	<0.0250	P7	0.0500	0.0250	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
<b>Lead</b>	<b>0.00320</b>	<b>P7 J</b>	0.00500	0.00250	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
<b>Magnesium</b>	<b>7.98</b>	<b>P7</b>	1.00	0.500	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
<b>Manganese</b>	<b>0.0352</b>	<b>P7</b>	0.0150	0.00750	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Nickel	<0.00500	P7	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
<b>Potassium</b>	<b>8.61</b>	<b>P7</b>	1.00	0.500	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Silver	<0.00250	P7	0.00500	0.00250	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
<b>Sodium</b>	<b>27.2</b>	<b>P7 B</b>	1.00	0.500	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 16:54	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		03/08/12 07:24	03/09/12 16:54	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 TW-2 (26-30)**

**Lab Sample ID: NWB3949-06**

Date Collected: 02/28/12 15:55

Matrix: Ground Water

Date Received: 02/29/12 08:20

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.0250	P7	0.0500	0.0250	mg/L		03/08/12 07:24	03/09/12 16:54	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5.70		0.100	0.0500	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Arsenic	0.0146		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Barium	0.0508		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Beryllium	0.00200	J	0.00400	0.00200	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Cadmium	0.00110		0.00100	0.000600	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Calcium	96.8		1.00	0.500	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Chromium	0.0246		0.00500	0.00250	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Copper	0.00650	J	0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Iron	23.4	B	0.0500	0.0250	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Lead	0.0276		0.00500	0.00250	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Magnesium	29.4		1.00	0.500	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Manganese	0.934		0.0150	0.00750	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Nickel	0.0190		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Potassium	22.4		1.00	0.500	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Sodium	71.1		1.00	0.500	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Vanadium	0.0191	J	0.0200	0.0100	mg/L		03/06/12 09:33	03/07/12 18:56	1.00
Zinc	0.0789		0.0500	0.0250	mg/L		03/06/12 09:33	03/07/12 18:56	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/07/12 12:20	03/07/12 15:15	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/05/12 12:40	03/07/12 09:56	1.00

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWB3949-07**

Date Collected: 02/28/12 00:01

Matrix: Water

Date Received: 02/29/12 08:20

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWB3949-07**

**Date Collected: 02/28/12 00:01**

**Matrix: Water**

**Date Received: 02/29/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Methyl Acetate	<5.00	L2	10.0	5.00	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:35	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/07/12 14:54	03/07/12 18:35	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	91		70 - 130	03/07/12 14:54	03/07/12 18:35	1.00
Dibromofluoromethane	95		70 - 130	03/07/12 14:54	03/07/12 18:35	1.00
Toluene-d8	95		70 - 130	03/07/12 14:54	03/07/12 18:35	1.00
4-Bromofluorobenzene	104		70 - 130	03/07/12 14:54	03/07/12 18:35	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Trip Blank 2**

**Lab Sample ID: NWB3949-08**

**Date Collected: 02/28/12 00:01**

**Matrix: Water**

**Date Received: 02/29/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Benzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Bromoform	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Chloroform	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Styrene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Toluene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 22:02	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		02/29/12 18:44	02/29/12 22:02	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Trip Blank 2**

**Lab Sample ID: NWB3949-08**

**Date Collected: 02/28/12 00:01**

**Matrix: Water**

**Date Received: 02/29/12 08:20**

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4	112		70 - 130	02/29/12 18:44	02/29/12 22:02	1.00
Dibromofluoromethane	108		70 - 130	02/29/12 18:44	02/29/12 22:02	1.00
Toluene-d8	99		70 - 130	02/29/12 18:44	02/29/12 22:02	1.00
4-Bromofluorobenzene	105		70 - 130	02/29/12 18:44	02/29/12 22:02	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 12B6380-BLK1**

**Matrix: Water**

**Analysis Batch: V003618**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B6380\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Benzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Bromoform	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Chloroform	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Styrene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Toluene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		02/29/12 18:44	02/29/12 21:34	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6380-BLK1**

**Matrix: Water**

**Analysis Batch: V003618**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B6380\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<1.50		3.00	1.50	ug/L		02/29/12 18:44	02/29/12 21:34	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	111		70 - 130	02/29/12 18:44	02/29/12 21:34	1.00
Dibromofluoromethane	107		70 - 130	02/29/12 18:44	02/29/12 21:34	1.00
Toluene-d8	99		70 - 130	02/29/12 18:44	02/29/12 21:34	1.00
4-Bromofluorobenzene	102		70 - 130	02/29/12 18:44	02/29/12 21:34	1.00

**Lab Sample ID: 12B6380-BS1**

**Matrix: Water**

**Analysis Batch: V003618**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12B6380\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	394	L	ug/L		158	54 - 145
Benzene	50.0	50.1		ug/L		100	80 - 121
Bromochloromethane	50.0	55.7		ug/L		111	78 - 129
Bromodichloromethane	50.0	46.0		ug/L		92	75 - 129
Bromoform	50.0	38.1		ug/L		76	46 - 145
Bromomethane	50.0	51.2		ug/L		102	41 - 150
2-Butanone	250	302		ug/L		121	62 - 133
Carbon disulfide	50.0	48.2		ug/L		96	77 - 126
Carbon Tetrachloride	50.0	51.8		ug/L		104	64 - 147
Chlorobenzene	50.0	49.3		ug/L		99	80 - 120
Chlorodibromomethane	50.0	49.9		ug/L		100	69 - 133
Chloroethane	50.0	47.7		ug/L		95	72 - 120
Chloroform	50.0	51.5		ug/L		103	73 - 129
Chloromethane	50.0	37.8		ug/L		76	12 - 150
Cyclohexane	50.0	48.5		ug/L		97	73 - 122
1,2-Dibromo-3-chloropropane	50.0	34.5		ug/L		69	54 - 125
1,2-Dibromoethane (EDB)	50.0	51.8		ug/L		104	80 - 129
Methylcyclohexane	50.0	46.7		ug/L		93	71 - 129
1,2-Dichlorobenzene	50.0	49.0		ug/L		98	80 - 121
1,3-Dichlorobenzene	50.0	47.4		ug/L		95	80 - 122
1,4-Dichlorobenzene	50.0	49.1		ug/L		98	80 - 120
Dichlorodifluoromethane	50.0	45.6		ug/L		91	37 - 127
1,2-Dichloroethane	50.0	51.8		ug/L		104	77 - 121
1,1-Dichloroethane	50.0	50.2		ug/L		100	78 - 125
1,1-Dichloroethene	50.0	53.0		ug/L		106	79 - 124
trans-1,2-Dichloroethene	50.0	52.7		ug/L		105	79 - 126
1,1,2-Trifluoro-trichloroethane	50.0	53.0		ug/L		106	77 - 129
cis-1,2-Dichloroethene	50.0	51.1		ug/L		102	76 - 125
1,2-Dichloropropane	50.0	47.8		ug/L		96	75 - 120
trans-1,3-Dichloropropene	50.0	46.1		ug/L		92	63 - 134
cis-1,3-Dichloropropene	50.0	49.8		ug/L		100	74 - 140
Ethylbenzene	50.0	47.4		ug/L		95	80 - 130
2-Hexanone	250	262		ug/L		105	60 - 142
Isopropylbenzene	50.0	49.6		ug/L		99	80 - 141
Methyl Acetate	50.0	38.8		ug/L		78	64 - 150
Methyl tert-Butyl Ether	50.0	47.7		ug/L		95	72 - 133

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6380-BS1**

**Matrix: Water**

**Analysis Batch: V003618**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12B6380\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	50.0	58.8		ug/L		118	79 - 123	
4-Methyl-2-pentanone	250	259		ug/L		104	60 - 137	
Styrene	50.0	47.2		ug/L		94	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	45.9		ug/L		92	69 - 131	
Tetrachloroethene	50.0	52.2		ug/L		104	80 - 126	
Toluene	50.0	49.1		ug/L		98	80 - 126	
1,2,4-Trichlorobenzene	50.0	45.4		ug/L		91	63 - 133	
1,2,3-Trichlorobenzene	50.0	48.4		ug/L		97	62 - 133	
1,1,1-Trichloroethane	50.0	50.5		ug/L		101	78 - 135	
1,1,2-Trichloroethane	50.0	54.0		ug/L		108	80 - 124	
Trichloroethene	50.0	50.8		ug/L		102	80 - 123	
Trichlorofluoromethane	50.0	49.5		ug/L		99	65 - 124	
Vinyl chloride	50.0	50.4		ug/L		101	68 - 120	
Xylenes, total	150	141		ug/L		94	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	102		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	95		70 - 130

**Lab Sample ID: 12B6380-BSD1**

**Matrix: Water**

**Analysis Batch: V003618**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12B6380\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Acetone	250	393	L	ug/L		157	54 - 145	0.4	21	
Benzene	50.0	48.2		ug/L		96	80 - 121	4	17	
Bromochloromethane	50.0	52.3		ug/L		105	78 - 129	6	17	
Bromodichloromethane	50.0	44.0		ug/L		88	75 - 129	4	18	
Bromoform	50.0	37.3		ug/L		75	46 - 145	2	16	
Bromomethane	50.0	49.8		ug/L		100	41 - 150	3	50	
2-Butanone	250	296		ug/L		118	62 - 133	2	19	
Carbon disulfide	50.0	46.1		ug/L		92	77 - 126	4	21	
Carbon Tetrachloride	50.0	49.9		ug/L		100	64 - 147	4	19	
Chlorobenzene	50.0	47.6		ug/L		95	80 - 120	3	14	
Chlorodibromomethane	50.0	48.3		ug/L		97	69 - 133	3	15	
Chloroethane	50.0	47.5		ug/L		95	72 - 120	0.4	20	
Chloroform	50.0	49.3		ug/L		99	73 - 129	4	18	
Chloromethane	50.0	35.2		ug/L		70	12 - 150	7	31	
Cyclohexane	50.0	47.9		ug/L		96	73 - 122	1	16	
1,2-Dibromo-3-chloropropane	50.0	34.2		ug/L		68	54 - 125	1	24	
1,2-Dibromoethane (EDB)	50.0	50.4		ug/L		101	80 - 129	3	15	
Methylcyclohexane	50.0	45.9		ug/L		92	71 - 129	2	19	
1,2-Dichlorobenzene	50.0	47.8		ug/L		96	80 - 121	2	15	
1,3-Dichlorobenzene	50.0	45.9		ug/L		92	80 - 122	3	15	
1,4-Dichlorobenzene	50.0	48.0		ug/L		96	80 - 120	2	15	
Dichlorodifluoromethane	50.0	44.7		ug/L		89	37 - 127	2	18	
1,2-Dichloroethane	50.0	50.6		ug/L		101	77 - 121	2	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6380-BSD1**

**Matrix: Water**

**Analysis Batch: V003618**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12B6380\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,1-Dichloroethane	50.0	50.2		ug/L		100	78 - 125	0.02		17
1,1-Dichloroethene	50.0	52.4		ug/L		105	79 - 124	1		17
trans-1,2-Dichloroethene	50.0	48.7		ug/L		97	79 - 126	8		16
1,1,2-Trifluorotrchloroethane	50.0	52.3		ug/L		105	77 - 129	1		18
cis-1,2-Dichloroethene	50.0	49.5		ug/L		99	76 - 125	3		17
1,2-Dichloropropane	50.0	45.7		ug/L		91	75 - 120	4		17
trans-1,3-Dichloropropene	50.0	45.0		ug/L		90	63 - 134	3		14
cis-1,3-Dichloropropene	50.0	47.9		ug/L		96	74 - 140	4		15
Ethylbenzene	50.0	45.8		ug/L		92	80 - 130	4		15
2-Hexanone	250	257		ug/L		103	60 - 142	2		15
Isopropylbenzene	50.0	47.9		ug/L		96	80 - 141	3		16
Methyl Acetate	50.0	39.3		ug/L		79	64 - 150	1		31
Methyl tert-Butyl Ether	50.0	46.7		ug/L		93	72 - 133	2		16
Methylene Chloride	50.0	56.7		ug/L		113	79 - 123	4		17
4-Methyl-2-pentanone	250	253		ug/L		101	60 - 137	2		17
Styrene	50.0	45.7		ug/L		91	80 - 127	3		24
1,1,2,2-Tetrachloroethane	50.0	43.8		ug/L		88	69 - 131	5		20
Tetrachloroethene	50.0	50.0		ug/L		100	80 - 126	4		16
Toluene	50.0	47.4		ug/L		95	80 - 126	3		15
1,2,4-Trichlorobenzene	50.0	44.9		ug/L		90	63 - 133	1		19
1,2,3-Trichlorobenzene	50.0	47.4		ug/L		95	62 - 133	2		25
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	78 - 135	4		17
1,1,2-Trichloroethane	50.0	52.8		ug/L		106	80 - 124	2		15
Trichloroethene	50.0	49.4		ug/L		99	80 - 123	3		17
Trichlorofluoromethane	50.0	48.1		ug/L		96	65 - 124	3		18
Vinyl chloride	50.0	48.0		ug/L		96	68 - 120	5		17
Xylenes, total	150	135		ug/L		90	80 - 132	4		15

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	102		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	95		70 - 130

**Lab Sample ID: 12B6380-MS1**

**Matrix: Water**

**Analysis Batch: V003618**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12B6380\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	<250		2500	2870		ug/L		115	45 - 141	
Benzene	43.8		500	555		ug/L		102	75 - 133	
Bromochloromethane	<5.00		500	524		ug/L		105	67 - 139	
Bromodichloromethane	<5.00		500	459		ug/L		92	70 - 140	
Bromoform	<5.00		500	352		ug/L		70	42 - 147	
Bromomethane	<5.00		500	407		ug/L		81	16 - 163	
2-Butanone	<250		2500	2600		ug/L		104	50 - 138	
Carbon disulfide	<5.00		500	500		ug/L		100	48 - 152	
Carbon Tetrachloride	<5.00		500	547		ug/L		109	62 - 164	
Chlorobenzene	<5.00		500	495		ug/L		99	80 - 129	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6380-MS1**

**Matrix: Water**

**Analysis Batch: V003618**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12B6380\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlorodibromomethane	<5.00		500	474		ug/L		95	66 - 140
Chloroethane	<5.00		500	515		ug/L		103	58 - 137
Chloroform	<5.00		500	531		ug/L		106	66 - 138
Chloromethane	<5.00		500	245		ug/L		49	10 - 169
Cyclohexane	274		500	781		ug/L		101	58 - 144
1,2-Dibromo-3-chloropropane	<50.0		500	368		ug/L		74	52 - 126
1,2-Dibromoethane (EDB)	<5.00		500	493		ug/L		99	75 - 137
Methylcyclohexane	159		500	672		ug/L		103	59 - 151
1,2-Dichlorobenzene	<5.00		500	483		ug/L		97	79 - 128
1,3-Dichlorobenzene	<5.00		500	474		ug/L		95	77 - 131
1,4-Dichlorobenzene	<5.00		500	484		ug/L		97	78 - 126
Dichlorodifluoromethane	<6.00		500	457		ug/L		91	40 - 127
1,2-Dichloroethane	<5.00		500	508		ug/L		102	64 - 136
1,1-Dichloroethane	<5.00		500	533		ug/L		107	71 - 139
1,1-Dichloroethene	<5.00		500	575		ug/L		115	70 - 142
trans-1,2-Dichloroethene	<5.00		500	515		ug/L		103	66 - 143
1,1,2-Trifluorotrchloroethane	<5.00		500	566		ug/L		113	72 - 148
cis-1,2-Dichloroethene	<5.00		500	511		ug/L		102	68 - 138
1,2-Dichloropropane	<5.00		500	483		ug/L		97	67 - 131
trans-1,3-Dichloropropene	<5.00		500	439		ug/L		88	59 - 135
cis-1,3-Dichloropropene	<5.00		500	472		ug/L		94	71 - 141
Ethylbenzene	432		500	889		ug/L		91	79 - 139
2-Hexanone	<50.0		2500	2330		ug/L		93	50 - 150
Isopropylbenzene	76.0		500	603		ug/L		105	80 - 153
Methyl Acetate	<50.0		500	356		ug/L		71	30 - 165
Methyl tert-Butyl Ether	<5.00		500	478		ug/L		96	66 - 141
Methylene Chloride	<25.0		500	544		ug/L		109	64 - 139
4-Methyl-2-pentanone	<50.0		2500	2410		ug/L		96	50 - 147
Styrene	<5.00		500	476		ug/L		95	61 - 148
1,1,2,2-Tetrachloroethane	<5.00		500	432		ug/L		86	56 - 143
Tetrachloroethene	<5.00		500	530		ug/L		106	72 - 145
Toluene	19.3		500	514		ug/L		99	75 - 136
1,2,4-Trichlorobenzene	<5.00		500	466		ug/L		93	60 - 136
1,2,3-Trichlorobenzene	<5.00		500	453		ug/L		91	55 - 138
1,1,1-Trichloroethane	<5.00		500	533		ug/L		107	76 - 149
1,1,2-Trichloroethane	<5.00		500	551		ug/L		110	74 - 134
Trichloroethene	<5.00		500	523		ug/L		105	73 - 144
Trichlorofluoromethane	<5.00		500	522		ug/L		104	58 - 139
Vinyl chloride	<5.00		500	515		ug/L		103	56 - 129
Xylenes, total	579		1500	1940		ug/L		91	74 - 141

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	105		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	89		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6380-MSD1**

**Matrix: Water**

**Analysis Batch: V003618**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12B6380\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
	Result								Limits	RPD		
Acetone	<250		2500	3000		ug/L		120	45 - 141	4		21
Benzene	43.8		500	551		ug/L		101	75 - 133	0.8		17
Bromochloromethane	<5.00		500	517		ug/L		103	67 - 139	1		17
Bromodichloromethane	<5.00		500	460		ug/L		92	70 - 140	0.4		18
Bromoform	<5.00		500	362		ug/L		72	42 - 147	3		16
Bromomethane	<5.00		500	477		ug/L		95	16 - 163	16		50
2-Butanone	<250		2500	2640		ug/L		106	50 - 138	1		19
Carbon disulfide	<5.00		500	510		ug/L		102	48 - 152	2		21
Carbon Tetrachloride	<5.00		500	543		ug/L		109	62 - 164	0.7		19
Chlorobenzene	<5.00		500	496		ug/L		99	80 - 129	0.4		14
Chlorodibromomethane	<5.00		500	486		ug/L		97	66 - 140	3		15
Chloroethane	<5.00		500	507		ug/L		101	58 - 137	2		20
Chloroform	<5.00		500	532		ug/L		106	66 - 138	0.2		18
Chloromethane	<5.00		500	283		ug/L		57	10 - 169	14		31
Cyclohexane	274		500	781		ug/L		101	58 - 144	0		16
1,2-Dibromo-3-chloropropane	<50.0		500	392		ug/L		78	52 - 126	6		24
1,2-Dibromoethane (EDB)	<5.00		500	504		ug/L		101	75 - 137	2		15
Methylcyclohexane	159		500	684		ug/L		105	59 - 151	2		19
1,2-Dichlorobenzene	<5.00		500	490		ug/L		98	79 - 128	1		15
1,3-Dichlorobenzene	<5.00		500	483		ug/L		97	77 - 131	2		15
1,4-Dichlorobenzene	<5.00		500	492		ug/L		98	78 - 126	2		15
Dichlorodifluoromethane	<6.00		500	452		ug/L		90	40 - 127	1		18
1,2-Dichloroethane	<5.00		500	491		ug/L		98	64 - 136	3		17
1,1-Dichloroethane	<5.00		500	529		ug/L		106	71 - 139	0.8		17
1,1-Dichloroethene	<5.00		500	585		ug/L		117	70 - 142	2		17
trans-1,2-Dichloroethene	<5.00		500	516		ug/L		103	66 - 143	0.2		16
1,1,2-Trifluorotrchloroethane	<5.00		500	567		ug/L		113	72 - 148	0.2		18
cis-1,2-Dichloroethene	<5.00		500	511		ug/L		102	68 - 138	0.1		17
1,2-Dichloropropane	<5.00		500	481		ug/L		96	67 - 131	0.5		17
trans-1,3-Dichloropropene	<5.00		500	451		ug/L		90	59 - 135	3		14
cis-1,3-Dichloropropene	<5.00		500	491		ug/L		98	71 - 141	4		15
Ethylbenzene	432		500	865		ug/L		86	79 - 139	3		15
2-Hexanone	<50.0		2500	2410		ug/L		97	50 - 150	4		15
Isopropylbenzene	76.0		500	602		ug/L		105	80 - 153	0.2		16
Methyl Acetate	<50.0		500	358		ug/L		72	30 - 165	0.5		31
Methyl tert-Butyl Ether	<5.00		500	471		ug/L		94	66 - 141	1		16
Methylene Chloride	<25.0		500	557		ug/L		111	64 - 139	2		17
4-Methyl-2-pentanone	<50.0		2500	2490		ug/L		99	50 - 147	3		17
Styrene	<5.00		500	471		ug/L		94	61 - 148	1		24
1,1,2,2-Tetrachloroethane	<5.00		500	453		ug/L		91	56 - 143	5		20
Tetrachloroethene	<5.00		500	539		ug/L		108	72 - 145	2		16
Toluene	19.3		500	521		ug/L		100	75 - 136	1		15
1,2,4-Trichlorobenzene	<5.00		500	490		ug/L		98	60 - 136	5		19
1,2,3-Trichlorobenzene	<5.00		500	497		ug/L		99	55 - 138	9		25
1,1,1-Trichloroethane	<5.00		500	531		ug/L		106	76 - 149	0.4		17
1,1,2-Trichloroethane	<5.00		500	556		ug/L		111	74 - 134	0.8		15
Trichloroethene	<5.00		500	532		ug/L		106	73 - 144	2		17
Trichlorofluoromethane	<5.00		500	516		ug/L		103	58 - 139	1		18
Vinyl chloride	<5.00		500	525		ug/L		105	56 - 129	2		17

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6380-MSD1**

**Matrix: Water**

**Analysis Batch: V003618**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12B6380\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	579		1500	1870		ug/L		86	74 - 141	3	15
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1,2-Dichloroethane-d4	100		70 - 130								
Dibromofluoromethane	106		70 - 130								
Toluene-d8	100		70 - 130								
4-Bromofluorobenzene	91		70 - 130								

**Lab Sample ID: 12B6900-BLK1**

**Matrix: Soil**

**Analysis Batch: V003754**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B6900\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,1,2-Trifluorotrchloroethane	<0.00110		0.00200	0.00110	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6900-BLK1**

**Matrix: Soil**

**Analysis Batch: V003754**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B6900\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		03/01/12 14:41	03/01/12 17:02	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	97		70 - 130	03/01/12 14:41	03/01/12 17:02	1.00
Dibromofluoromethane	92		70 - 130	03/01/12 14:41	03/01/12 17:02	1.00
Toluene-d8	104		70 - 130	03/01/12 14:41	03/01/12 17:02	1.00
4-Bromofluorobenzene	107		70 - 130	03/01/12 14:41	03/01/12 17:02	1.00

**Lab Sample ID: 12B6900-BLK2**

**Matrix: Soil**

**Analysis Batch: V003754**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B6900\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6900-BLK2**

**Matrix: Soil**

**Analysis Batch: V003754**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12B6900\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,1,2-Trifluorotrchloroethane	<0.0550		0.100	0.0550	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Methyl Acetate	<0.250		0.500	0.250	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		03/01/12 14:41	03/01/12 17:30	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	96		70 - 130	03/01/12 14:41	03/01/12 17:30	50.0
Dibromofluoromethane	93		70 - 130	03/01/12 14:41	03/01/12 17:30	50.0
Toluene-d8	103		70 - 130	03/01/12 14:41	03/01/12 17:30	50.0
4-Bromofluorobenzene	106		70 - 130	03/01/12 14:41	03/01/12 17:30	50.0

**Lab Sample ID: 12B6900-BS1**

**Matrix: Soil**

**Analysis Batch: V003754**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12B6900\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	252		ug/kg		101	51 - 149
Benzene	50.0	53.0		ug/kg		106	75 - 127
Bromochloromethane	50.0	49.8		ug/kg		100	70 - 132
Bromodichloromethane	50.0	53.0		ug/kg		106	68 - 135
Bromoform	50.0	55.5		ug/kg		111	36 - 150
Bromomethane	50.0	38.6		ug/kg		77	43 - 142
2-Butanone	250	259		ug/kg		104	61 - 132
Carbon disulfide	50.0	42.2		ug/kg		84	74 - 135
Carbon Tetrachloride	50.0	49.0		ug/kg		98	70 - 141
Chlorobenzene	50.0	57.1		ug/kg		114	84 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6900-BS1**

**Matrix: Soil**

**Analysis Batch: V003754**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12B6900\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Chlorodibromomethane	50.0	58.1		ug/kg		116	66 - 134
Chloroethane	50.0	43.4		ug/kg		87	53 - 144
Chloroform	50.0	52.4		ug/kg		105	76 - 130
Chloromethane	50.0	26.9		ug/kg		54	23 - 150
Cyclohexane	50.0	51.7		ug/kg		103	70 - 133
1,2-Dibromo-3-chloropropane	50.0	60.7		ug/kg		121	49 - 142
1,2-Dibromoethane (EDB)	50.0	58.5		ug/kg		117	80 - 135
Methylcyclohexane	50.0	51.9		ug/kg		104	69 - 140
1,2-Dichlorobenzene	50.0	58.6		ug/kg		117	80 - 134
1,3-Dichlorobenzene	50.0	59.8		ug/kg		120	79 - 137
1,4-Dichlorobenzene	50.0	60.1		ug/kg		120	77 - 139
Dichlorodifluoromethane	50.0	17.9		ug/kg		36	12 - 144
1,2-Dichloroethane	50.0	50.8		ug/kg		102	65 - 134
1,1-Dichloroethane	50.0	52.5		ug/kg		105	75 - 124
1,1-Dichloroethene	50.0	45.4		ug/kg		91	75 - 131
trans-1,2-Dichloroethene	50.0	50.6		ug/kg		101	76 - 128
1,1,2-Trifluorotrchloroethane	50.0	48.5		ug/kg		97	67 - 136
cis-1,2-Dichloroethene	50.0	52.9		ug/kg		106	75 - 125
1,2-Dichloropropane	50.0	52.8		ug/kg		106	69 - 120
trans-1,3-Dichloropropene	50.0	58.1		ug/kg		116	62 - 139
cis-1,3-Dichloropropene	50.0	63.9		ug/kg		128	73 - 148
Ethylbenzene	50.0	59.7		ug/kg		119	80 - 134
2-Hexanone	250	309		ug/kg		123	57 - 148
Isopropylbenzene	50.0	62.6		ug/kg		125	80 - 150
Methyl Acetate	50.0	43.5		ug/kg		87	11 - 170
Methyl tert-Butyl Ether	50.0	50.8		ug/kg		102	70 - 136
Methylene Chloride	50.0	47.6		ug/kg		95	68 - 144
4-Methyl-2-pentanone	250	308		ug/kg		123	59 - 138
Styrene	50.0	60.5		ug/kg		121	82 - 137
1,1,2,2-Tetrachloroethane	50.0	66.7		ug/kg		133	66 - 134
Tetrachloroethene	50.0	54.2		ug/kg		108	78 - 140
Toluene	50.0	57.6		ug/kg		115	80 - 132
1,2,4-Trichlorobenzene	50.0	63.8		ug/kg		128	62 - 150
1,2,3-Trichlorobenzene	50.0	60.2		ug/kg		120	70 - 150
1,1,1-Trichloroethane	50.0	49.4		ug/kg		99	72 - 140
1,1,2-Trichloroethane	50.0	58.1		ug/kg		116	78 - 128
Trichloroethene	50.0	48.6		ug/kg		97	77 - 127
Trichlorofluoromethane	50.0	39.2		ug/kg		78	50 - 140
Vinyl chloride	50.0	38.8		ug/kg		78	47 - 136
Xylenes, total	150	175		ug/kg		117	80 - 137

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	100		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8	104		70 - 130
4-Bromofluorobenzene	107		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6900-BSD1**

**Matrix: Soil**

**Analysis Batch: V003754**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12B6900\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Acetone	250	247		ug/kg		99	51 - 149	2	50	
Benzene	50.0	52.0		ug/kg		104	75 - 127	2	50	
Bromochloromethane	50.0	48.6		ug/kg		97	70 - 132	2	50	
Bromodichloromethane	50.0	51.9		ug/kg		104	68 - 135	2	50	
Bromoform	50.0	53.4		ug/kg		107	36 - 150	4	50	
Bromomethane	50.0	37.9		ug/kg		76	43 - 142	2	50	
2-Butanone	250	248		ug/kg		99	61 - 132	4	50	
Carbon disulfide	50.0	40.8		ug/kg		82	74 - 135	3	50	
Carbon Tetrachloride	50.0	48.2		ug/kg		96	70 - 141	2	50	
Chlorobenzene	50.0	55.7		ug/kg		111	84 - 125	2	50	
Chlorodibromomethane	50.0	55.6		ug/kg		111	66 - 134	4	50	
Chloroethane	50.0	41.8		ug/kg		84	53 - 144	4	50	
Chloroform	50.0	51.1		ug/kg		102	76 - 130	3	49	
Chloromethane	50.0	26.1		ug/kg		52	23 - 150	3	50	
Cyclohexane	50.0	51.4		ug/kg		103	70 - 133	0.6	50	
1,2-Dibromo-3-chloropropane	50.0	53.9		ug/kg		108	49 - 142	12	50	
1,2-Dibromoethane (EDB)	50.0	55.9		ug/kg		112	80 - 135	5	50	
Methylcyclohexane	50.0	51.3		ug/kg		103	69 - 140	1	50	
1,2-Dichlorobenzene	50.0	56.2		ug/kg		112	80 - 134	4	50	
1,3-Dichlorobenzene	50.0	57.5		ug/kg		115	79 - 137	4	50	
1,4-Dichlorobenzene	50.0	58.0		ug/kg		116	77 - 139	4	50	
Dichlorodifluoromethane	50.0	16.8		ug/kg		34	12 - 144	6	50	
1,2-Dichloroethane	50.0	49.8		ug/kg		100	65 - 134	2	50	
1,1-Dichloroethane	50.0	51.6		ug/kg		103	75 - 124	2	50	
1,1-Dichloroethene	50.0	43.5		ug/kg		87	75 - 131	4	50	
trans-1,2-Dichloroethene	50.0	49.6		ug/kg		99	76 - 128	2	50	
1,1,2-Trifluorotrchloroethane	50.0	47.0		ug/kg		94	67 - 136	3	50	
cis-1,2-Dichloroethene	50.0	51.6		ug/kg		103	75 - 125	2	50	
1,2-Dichloropropane	50.0	51.6		ug/kg		103	69 - 120	2	50	
trans-1,3-Dichloropropene	50.0	55.2		ug/kg		110	62 - 139	5	50	
cis-1,3-Dichloropropene	50.0	61.1		ug/kg		122	73 - 148	5	50	
Ethylbenzene	50.0	58.0		ug/kg		116	80 - 134	3	50	
2-Hexanone	250	292		ug/kg		117	57 - 148	6	50	
Isopropylbenzene	50.0	61.1		ug/kg		122	80 - 150	2	50	
Methyl Acetate	50.0	39.6		ug/kg		79	11 - 170	9	50	
Methyl tert-Butyl Ether	50.0	49.2		ug/kg		98	70 - 136	3	50	
Methylene Chloride	50.0	46.9		ug/kg		94	68 - 144	1	50	
4-Methyl-2-pentanone	250	294		ug/kg		118	59 - 138	5	50	
Styrene	50.0	59.0		ug/kg		118	82 - 137	3	50	
1,1,2,2-Tetrachloroethane	50.0	62.9		ug/kg		126	66 - 134	6	50	
Tetrachloroethene	50.0	53.6		ug/kg		107	78 - 140	1	50	
Toluene	50.0	56.6		ug/kg		113	80 - 132	2	50	
1,2,4-Trichlorobenzene	50.0	59.2		ug/kg		118	62 - 150	8	50	
1,2,3-Trichlorobenzene	50.0	56.7		ug/kg		113	70 - 150	6	50	
1,1,1-Trichloroethane	50.0	48.4		ug/kg		97	72 - 140	2	50	
1,1,2-Trichloroethane	50.0	56.1		ug/kg		112	78 - 128	4	50	
Trichloroethene	50.0	49.0		ug/kg		98	77 - 127	0.9	50	
Trichlorofluoromethane	50.0	37.9		ug/kg		76	50 - 140	3	50	
Vinyl chloride	50.0	36.6		ug/kg		73	47 - 136	6	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6900-BSD1**

**Matrix: Soil**

**Analysis Batch: V003754**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12B6900\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	150	171		ug/kg		114	80 - 137	3	50

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
1,2-Dichloroethane-d4	102		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	107		70 - 130

**Lab Sample ID: 12B6900-MS1**

**Matrix: Soil**

**Analysis Batch: V003754**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12B6900\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0425		0.243	0.262		mg/kg wet		90	19 - 175
Benzene	<0.000963		0.0486	0.0457		mg/kg wet		94	31 - 143
Bromochloromethane	<0.00105		0.0486	0.0426		mg/kg wet		88	31 - 141
Bromodichloromethane	<0.000876		0.0486	0.0467		mg/kg wet		96	19 - 148
Bromoform	<0.000876		0.0486	0.0429		mg/kg wet		88	10 - 165
Bromomethane	<0.00105		0.0486	0.0275		mg/kg wet		56	10 - 164
2-Butanone	<0.0219		0.243	0.236		mg/kg wet		97	18 - 153
Carbon disulfide	<0.00315		0.0486	0.0298		mg/kg wet		61	32 - 144
Carbon Tetrachloride	<0.000876		0.0486	0.0415		mg/kg wet		85	31 - 149
Chlorobenzene	<0.000963		0.0486	0.0419		mg/kg wet		86	25 - 152
Chlorodibromomethane	<0.000876		0.0486	0.0462		mg/kg wet		95	14 - 146
Chloroethane	<0.00219		0.0486	0.0341		mg/kg wet		70	10 - 151
Chloroform	<0.00114		0.0486	0.0472		mg/kg wet		97	34 - 160
Chloromethane	<0.000963		0.0486	0.0197		mg/kg wet		41	10 - 156
Cyclohexane	<0.00438		0.0486	0.0425		mg/kg wet		87	32 - 158
1,2-Dibromo-3-chloropropane	<0.00219		0.0486	0.0445		mg/kg wet		92	10 - 147
1,2-Dibromoethane (EDB)	<0.000876		0.0486	0.0454		mg/kg wet		93	18 - 156
Methylcyclohexane	<0.00438		0.0486	0.0361		mg/kg wet		74	29 - 167
1,2-Dichlorobenzene	<0.000876		0.0486	0.0380		mg/kg wet		78	10 - 160
1,3-Dichlorobenzene	<0.00105		0.0486	0.0362		mg/kg wet		74	10 - 162
1,4-Dichlorobenzene	<0.000963		0.0486	0.0361		mg/kg wet		74	11 - 159
Dichlorodifluoromethane	<0.00123		0.0486	0.0139		mg/kg wet		29	10 - 143
1,2-Dichloroethane	<0.000963		0.0486	0.0445		mg/kg wet		91	28 - 138
1,1-Dichloroethane	<0.00114		0.0486	0.0462		mg/kg wet		95	42 - 136
1,1-Dichloroethene	<0.00105		0.0486	0.0362		mg/kg wet		74	41 - 143
trans-1,2-Dichloroethene	<0.00114		0.0486	0.0400		mg/kg wet		82	39 - 140
1,1,2-Trifluorotrchloroethane	<0.000963		0.0486	0.0404		mg/kg wet		83	42 - 147
cis-1,2-Dichloroethene	<0.000963		0.0486	0.0440		mg/kg wet		91	36 - 139
1,2-Dichloropropane	<0.000876		0.0486	0.0471		mg/kg wet		97	20 - 146
trans-1,3-Dichloropropene	<0.000876		0.0486	0.0404		mg/kg wet		83	10 - 157
cis-1,3-Dichloropropene	<0.000876		0.0486	0.0492		mg/kg wet		101	15 - 166
Ethylbenzene	<0.000963		0.0486	0.0436		mg/kg wet		90	23 - 161
2-Hexanone	<0.0219		0.243	0.257		mg/kg wet		106	10 - 169
Isopropylbenzene	<0.000963		0.0486	0.0429		mg/kg wet		88	23 - 181
Methyl Acetate	<0.00438		0.0486	0.0299		mg/kg wet		61	10 - 200
Methyl tert-Butyl Ether	<0.000876		0.0486	0.0457		mg/kg wet		94	28 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6900-MS1**

**Matrix: Soil**

**Analysis Batch: V003754**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12B6900\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
Methylene Chloride	<0.00438		0.0486	0.0410		mg/kg wet		84	24 - 182	
4-Methyl-2-pentanone	<0.0219		0.243	0.259		mg/kg wet		107	10 - 168	
Styrene	<0.000963		0.0486	0.0136		mg/kg wet		28	10 - 165	
1,1,2,2-Tetrachloroethane	<0.000876		0.0486	0.0557		mg/kg wet		114	10 - 162	
Tetrachloroethene	<0.00114		0.0486	0.0395		mg/kg wet		81	33 - 161	
Toluene	<0.000963		0.0486	0.0451		mg/kg wet		93	30 - 155	
1,2,4-Trichlorobenzene	<0.00105		0.0486	0.0295		mg/kg wet		61	10 - 167	
1,2,3-Trichlorobenzene	<0.000963		0.0486	0.0288		mg/kg wet		59	10 - 157	
1,1,1-Trichloroethane	<0.000876		0.0486	0.0436		mg/kg wet		90	35 - 149	
1,1,2-Trichloroethane	<0.00219		0.0486	0.0490		mg/kg wet		101	19 - 157	
Trichloroethene	<0.000876		0.0486	0.0392		mg/kg wet		81	27 - 153	
Trichlorofluoromethane	<0.000876		0.0486	0.0319		mg/kg wet		66	25 - 137	
Vinyl chloride	<0.000876		0.0486	0.0288		mg/kg wet		59	20 - 141	
Xylenes, total	<0.00219		0.146	0.125		mg/kg wet		86	25 - 162	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
1,2-Dichloroethane-d4	103		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	115		70 - 130

**Lab Sample ID: 12B6900-MSD1**

**Matrix: Soil**

**Analysis Batch: V003754**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12B6900\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits		
Acetone	0.0425		0.232	0.232		mg/kg wet		82	19 - 175	12	50	
Benzene	<0.000963		0.0464	0.0410		mg/kg wet		88	31 - 143	11	50	
Bromochloromethane	<0.00105		0.0464	0.0379		mg/kg wet		82	31 - 141	12	50	
Bromodichloromethane	<0.000876		0.0464	0.0431		mg/kg wet		93	19 - 148	8	50	
Bromoform	<0.000876		0.0464	0.0410		mg/kg wet		88	10 - 165	5	50	
Bromomethane	<0.00105		0.0464	0.0263		mg/kg wet		57	10 - 164	4	50	
2-Butanone	<0.0219		0.232	0.222		mg/kg wet		96	18 - 153	6	50	
Carbon disulfide	<0.00315		0.0464	0.0265		mg/kg wet		57	32 - 144	12	50	
Carbon Tetrachloride	<0.000876		0.0464	0.0380		mg/kg wet		82	31 - 149	9	50	
Chlorobenzene	<0.000963		0.0464	0.0401		mg/kg wet		86	25 - 152	4	50	
Chlorodibromomethane	<0.000876		0.0464	0.0444		mg/kg wet		96	14 - 146	4	50	
Chloroethane	<0.00219		0.0464	0.0299		mg/kg wet		64	10 - 151	13	50	
Chloroform	<0.00114		0.0464	0.0421		mg/kg wet		91	34 - 160	11	49	
Chloromethane	<0.000963		0.0464	0.0176		mg/kg wet		38	10 - 156	12	50	
Cyclohexane	<0.00438		0.0464	0.0375		mg/kg wet		81	32 - 158	12	50	
1,2-Dibromo-3-chloropropane	<0.00219		0.0464	0.0428		mg/kg wet		92	10 - 147	4	50	
1,2-Dibromoethane (EDB)	<0.000876		0.0464	0.0425		mg/kg wet		92	18 - 156	7	50	
Methylcyclohexane	<0.00438		0.0464	0.0359		mg/kg wet		77	29 - 167	0.8	50	
1,2-Dichlorobenzene	<0.000876		0.0464	0.0369		mg/kg wet		80	10 - 160	3	50	
1,3-Dichlorobenzene	<0.00105		0.0464	0.0359		mg/kg wet		77	10 - 162	0.9	50	
1,4-Dichlorobenzene	<0.000963		0.0464	0.0353		mg/kg wet		76	11 - 159	2	50	
Dichlorodifluoromethane	<0.00123		0.0464	0.0117		mg/kg wet		25	10 - 143	18	50	
1,2-Dichloroethane	<0.000963		0.0464	0.0394		mg/kg wet		85	28 - 138	12	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12B6900-MSD1**

**Matrix: Soil**

**Analysis Batch: V003754**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12B6900\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
1,1-Dichloroethane	<0.00114		0.0464	0.0417		mg/kg wet		90	42 - 136	10	50
1,1-Dichloroethene	<0.00105		0.0464	0.0321		mg/kg wet		69	41 - 143	12	50
trans-1,2-Dichloroethene	<0.00114		0.0464	0.0348		mg/kg wet		75	39 - 140	14	50
1,1,2-Trifluorotrchloroethane	<0.000963		0.0464	0.0361		mg/kg wet		78	42 - 147	11	50
cis-1,2-Dichloroethene	<0.000963		0.0464	0.0394		mg/kg wet		85	36 - 139	11	50
1,2-Dichloropropane	<0.000876		0.0464	0.0435		mg/kg wet		94	20 - 146	8	50
trans-1,3-Dichloropropene	<0.000876		0.0464	0.0387		mg/kg wet		83	10 - 157	4	50
cis-1,3-Dichloropropene	<0.000876		0.0464	0.0454		mg/kg wet		98	15 - 166	8	50
Ethylbenzene	<0.000963		0.0464	0.0434		mg/kg wet		94	23 - 161	0.3	50
2-Hexanone	<0.0219		0.232	0.251		mg/kg wet		108	10 - 169	2	50
Isopropylbenzene	<0.000963		0.0464	0.0445		mg/kg wet		96	23 - 181	4	50
Methyl Acetate	<0.00438		0.0464	0.0236		mg/kg wet		51	10 - 200	23	50
Methyl tert-Butyl Ether	<0.000876		0.0464	0.0428		mg/kg wet		92	28 - 141	7	50
Methylene Chloride	<0.00438		0.0464	0.0373		mg/kg wet		80	24 - 182	10	50
4-Methyl-2-pentanone	<0.0219		0.232	0.261		mg/kg wet		112	10 - 168	0.7	50
Styrene	<0.000963		0.0464	0.0398	R	mg/kg wet		86	10 - 165	98	50
1,1,2,2-Tetrachloroethane	<0.000876		0.0464	0.0529		mg/kg wet		114	10 - 162	5	50
Tetrachloroethene	<0.00114		0.0464	0.0380		mg/kg wet		82	33 - 161	4	50
Toluene	<0.000963		0.0464	0.0431		mg/kg wet		93	30 - 155	5	50
1,2,4-Trichlorobenzene	<0.00105		0.0464	0.0284		mg/kg wet		61	10 - 167	4	50
1,2,3-Trichlorobenzene	<0.000963		0.0464	0.0287		mg/kg wet		62	10 - 157	0.4	50
1,1,1-Trichloroethane	<0.000876		0.0464	0.0392		mg/kg wet		85	35 - 149	11	50
1,1,2-Trichloroethane	<0.00219		0.0464	0.0466		mg/kg wet		100	19 - 157	5	50
Trichloroethene	<0.000876		0.0464	0.0358		mg/kg wet		77	27 - 153	9	50
Trichlorofluoromethane	<0.000876		0.0464	0.0285		mg/kg wet		61	25 - 137	11	50
Vinyl chloride	<0.000876		0.0464	0.0254		mg/kg wet		55	20 - 141	13	50
Xylenes, total	<0.00219		0.139	0.126		mg/kg wet		90	25 - 162	0.2	50

**Matrix Spike Dup    Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	97		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	109		70 - 130

**Lab Sample ID: 12C0272-BLK1**

**Matrix: Water**

**Analysis Batch: V003931**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0272\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<25.0		50.0	25.0	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0272-BLK1**

**Matrix: Water**

**Analysis Batch: V003931**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0272\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/07/12 14:54	03/07/12 18:07	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/07/12 14:54	03/07/12 18:07	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	90		70 - 130	03/07/12 14:54	03/07/12 18:07	1.00
Dibromofluoromethane	95		70 - 130	03/07/12 14:54	03/07/12 18:07	1.00
Toluene-d8	95		70 - 130	03/07/12 14:54	03/07/12 18:07	1.00
4-Bromofluorobenzene	102		70 - 130	03/07/12 14:54	03/07/12 18:07	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0272-BS1**

**Matrix: Water**

**Analysis Batch: V003931**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0272\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	250	281		ug/L		112	54 - 145
Benzene	50.0	45.7		ug/L		91	80 - 121
Bromochloromethane	50.0	47.4		ug/L		95	78 - 129
Bromodichloromethane	50.0	42.4		ug/L		85	75 - 129
Bromoform	50.0	42.7		ug/L		85	46 - 145
Bromomethane	50.0	39.4		ug/L		79	41 - 150
2-Butanone	250	232		ug/L		93	62 - 133
Carbon disulfide	50.0	44.9		ug/L		90	77 - 126
Carbon Tetrachloride	50.0	43.9		ug/L		88	64 - 147
Chlorobenzene	50.0	47.4		ug/L		95	80 - 120
Chlorodibromomethane	50.0	45.5		ug/L		91	69 - 133
Chloroethane	50.0	45.8		ug/L		92	72 - 120
Chloroform	50.0	45.2		ug/L		90	73 - 129
Chloromethane	50.0	34.1		ug/L		68	12 - 150
Cyclohexane	50.0	45.6		ug/L		91	73 - 122
1,2-Dibromo-3-chloropropane	50.0	42.4		ug/L		85	54 - 125
1,2-Dibromoethane (EDB)	50.0	49.3		ug/L		99	80 - 129
Methylcyclohexane	50.0	49.8		ug/L		100	71 - 129
1,2-Dichlorobenzene	50.0	50.7		ug/L		101	80 - 121
1,3-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 122
1,4-Dichlorobenzene	50.0	49.5		ug/L		99	80 - 120
Dichlorodifluoromethane	50.0	53.5		ug/L		107	37 - 127
1,2-Dichloroethane	50.0	42.5		ug/L		85	77 - 121
1,1-Dichloroethane	50.0	41.4		ug/L		83	78 - 125
1,1-Dichloroethene	50.0	49.5		ug/L		99	79 - 124
trans-1,2-Dichloroethene	50.0	43.0		ug/L		86	79 - 126
1,1,2-Trifluorotrchloroethane	50.0	46.2		ug/L		92	77 - 129
cis-1,2-Dichloroethene	50.0	43.1		ug/L		86	76 - 125
1,2-Dichloropropane	50.0	41.6		ug/L		83	75 - 120
trans-1,3-Dichloropropene	50.0	43.2		ug/L		86	63 - 134
cis-1,3-Dichloropropene	50.0	46.9		ug/L		94	74 - 140
Ethylbenzene	50.0	52.1		ug/L		104	80 - 130
2-Hexanone	250	256		ug/L		102	60 - 142
Isopropylbenzene	50.0	60.3		ug/L		121	80 - 141
Methyl Acetate	50.0	25.4	L2	ug/L		51	64 - 150
Methyl tert-Butyl Ether	50.0	48.1		ug/L		96	72 - 133
Methylene Chloride	50.0	47.5		ug/L		95	79 - 123
4-Methyl-2-pentanone	250	238		ug/L		95	60 - 137
Styrene	50.0	56.1		ug/L		112	80 - 127
1,1,2,2-Tetrachloroethane	50.0	43.4		ug/L		87	69 - 131
Tetrachloroethene	50.0	49.6		ug/L		99	80 - 126
Toluene	50.0	47.9		ug/L		96	80 - 126
1,2,4-Trichlorobenzene	50.0	48.5		ug/L		97	63 - 133
1,2,3-Trichlorobenzene	50.0	48.8		ug/L		98	62 - 133
1,1,1-Trichloroethane	50.0	47.7		ug/L		95	78 - 135
1,1,2-Trichloroethane	50.0	52.8		ug/L		106	80 - 124
Trichloroethene	50.0	50.9		ug/L		102	80 - 123
Trichlorofluoromethane	50.0	46.0		ug/L		92	65 - 124
Vinyl chloride	50.0	49.3		ug/L		99	68 - 120



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0272-BS1**

**Matrix: Water**

**Analysis Batch: V003931**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0272\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, total	150	162		ug/L		108	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	88		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	94		70 - 130
4-Bromofluorobenzene	94		70 - 130

**Lab Sample ID: 12C0272-BSD1**

**Matrix: Water**

**Analysis Batch: V003931**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0272\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	278		ug/L		111	54 - 145	0.8	21
Benzene	50.0	46.7		ug/L		93	80 - 121	2	17
Bromochloromethane	50.0	48.4		ug/L		97	78 - 129	2	17
Bromodichloromethane	50.0	42.8		ug/L		86	75 - 129	0.9	18
Bromoform	50.0	42.3		ug/L		85	46 - 145	1	16
Bromomethane	50.0	40.8		ug/L		82	41 - 150	3	50
2-Butanone	250	238		ug/L		95	62 - 133	3	19
Carbon disulfide	50.0	45.6		ug/L		91	77 - 126	1	21
Carbon Tetrachloride	50.0	44.4		ug/L		89	64 - 147	1	19
Chlorobenzene	50.0	47.9		ug/L		96	80 - 120	1	14
Chlorodibromomethane	50.0	44.6		ug/L		89	69 - 133	2	15
Chloroethane	50.0	46.7		ug/L		93	72 - 120	2	20
Chloroform	50.0	46.0		ug/L		92	73 - 129	2	18
Chloromethane	50.0	34.7		ug/L		69	12 - 150	2	31
Cyclohexane	50.0	46.6		ug/L		93	73 - 122	2	16
1,2-Dibromo-3-chloropropane	50.0	44.4		ug/L		89	54 - 125	4	24
1,2-Dibromoethane (EDB)	50.0	48.3		ug/L		97	80 - 129	2	15
Methylcyclohexane	50.0	51.0		ug/L		102	71 - 129	3	19
1,2-Dichlorobenzene	50.0	51.2		ug/L		102	80 - 121	1	15
1,3-Dichlorobenzene	50.0	50.3		ug/L		101	80 - 122	0.3	15
1,4-Dichlorobenzene	50.0	49.9		ug/L		100	80 - 120	0.9	15
Dichlorodifluoromethane	50.0	54.1		ug/L		108	37 - 127	1	18
1,2-Dichloroethane	50.0	43.0		ug/L		86	77 - 121	1	17
1,1-Dichloroethane	50.0	42.3		ug/L		85	78 - 125	2	17
1,1-Dichloroethene	50.0	50.3		ug/L		101	79 - 124	2	17
trans-1,2-Dichloroethene	50.0	43.5		ug/L		87	79 - 126	1	16
1,1,2-Trifluoroethane	50.0	47.0		ug/L		94	77 - 129	2	18
cis-1,2-Dichloroethene	50.0	43.5		ug/L		87	76 - 125	0.9	17
1,2-Dichloropropane	50.0	42.3		ug/L		85	75 - 120	2	17
trans-1,3-Dichloropropene	50.0	41.9		ug/L		84	63 - 134	3	14
cis-1,3-Dichloropropene	50.0	45.4		ug/L		91	74 - 140	3	15
Ethylbenzene	50.0	50.5		ug/L		101	80 - 130	3	15
2-Hexanone	250	251		ug/L		101	60 - 142	2	15
Isopropylbenzene	50.0	57.1		ug/L		114	80 - 141	6	16
Methyl Acetate	50.0	25.2	L2	ug/L		50	64 - 150	0.7	31
Methyl tert-Butyl Ether	50.0	49.3		ug/L		99	72 - 133	2	16

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0272-BSD1**

**Matrix: Water**

**Analysis Batch: V003931**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0272\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Methylene Chloride	50.0	47.8		ug/L		96	79 - 123	0.6	17	
4-Methyl-2-pentanone	250	244		ug/L		98	60 - 137	3	17	
Styrene	50.0	52.4		ug/L		105	80 - 127	7	24	
1,1,1,2-Tetrachloroethane	50.0	47.7		ug/L		95	69 - 131	9	20	
Tetrachloroethene	50.0	50.5		ug/L		101	80 - 126	2	16	
Toluene	50.0	49.6		ug/L		99	80 - 126	3	15	
1,2,4-Trichlorobenzene	50.0	50.3		ug/L		101	63 - 133	4	19	
1,2,3-Trichlorobenzene	50.0	51.2		ug/L		102	62 - 133	5	25	
1,1,1-Trichloroethane	50.0	48.8		ug/L		98	78 - 135	2	17	
1,1,2-Trichloroethane	50.0	50.7		ug/L		101	80 - 124	4	15	
Trichloroethene	50.0	50.7		ug/L		101	80 - 123	0.4	17	
Trichlorofluoromethane	50.0	46.9		ug/L		94	65 - 124	2	18	
Vinyl chloride	50.0	50.3		ug/L		101	68 - 120	2	17	
Xylenes, total	150	152		ug/L		101	80 - 132	6	15	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	88		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	93		70 - 130

**Lab Sample ID: 12C0745-BLK1**

**Matrix: Water**

**Analysis Batch: V003684**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0745\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<25.0		50.0	25.0	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0745-BLK1**

**Matrix: Water**

**Analysis Batch: V003684**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0745\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/01/12 06:56	03/01/12 09:45	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/01/12 06:56	03/01/12 09:45	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	110		70 - 130	03/01/12 06:56	03/01/12 09:45	1.00
Dibromofluoromethane	107		70 - 130	03/01/12 06:56	03/01/12 09:45	1.00
Toluene-d8	99		70 - 130	03/01/12 06:56	03/01/12 09:45	1.00
4-Bromofluorobenzene	99		70 - 130	03/01/12 06:56	03/01/12 09:45	1.00

**Lab Sample ID: 12C0745-BS1**

**Matrix: Water**

**Analysis Batch: V003684**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0745\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	425	L1	ug/L		170	54 - 145
Benzene	50.0	48.6		ug/L		97	80 - 121
Bromochloromethane	50.0	51.2		ug/L		102	78 - 129
Bromodichloromethane	50.0	44.2		ug/L		88	75 - 129
Bromoform	50.0	34.9		ug/L		70	46 - 145
Bromomethane	50.0	46.8		ug/L		94	41 - 150
2-Butanone	250	286		ug/L		114	62 - 133
Carbon disulfide	50.0	46.6		ug/L		93	77 - 126
Carbon Tetrachloride	50.0	49.7		ug/L		99	64 - 147
Chlorobenzene	50.0	47.0		ug/L		94	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0745-BS1**

**Matrix: Water**

**Analysis Batch: V003684**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0745\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Chlorodibromomethane	50.0	46.9		ug/L		94	69 - 133
Chloroethane	50.0	45.7		ug/L		91	72 - 120
Chloroform	50.0	49.1		ug/L		98	73 - 129
Chloromethane	50.0	28.4		ug/L		57	12 - 150
Cyclohexane	50.0	48.6		ug/L		97	73 - 122
1,2-Dibromo-3-chloropropane	50.0	34.4		ug/L		69	54 - 125
1,2-Dibromoethane (EDB)	50.0	48.4		ug/L		97	80 - 129
Methylcyclohexane	50.0	46.3		ug/L		93	71 - 129
1,2-Dichlorobenzene	50.0	47.3		ug/L		95	80 - 121
1,3-Dichlorobenzene	50.0	46.0		ug/L		92	80 - 122
1,4-Dichlorobenzene	50.0	46.9		ug/L		94	80 - 120
Dichlorodifluoromethane	50.0	43.5		ug/L		87	37 - 127
1,2-Dichloroethane	50.0	48.1		ug/L		96	77 - 121
1,1-Dichloroethane	50.0	49.6		ug/L		99	78 - 125
1,1-Dichloroethene	50.0	50.6		ug/L		101	79 - 124
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	79 - 126
1,1,2-Trifluorotrchloroethane	50.0	51.2		ug/L		102	77 - 129
cis-1,2-Dichloroethene	50.0	48.3		ug/L		97	76 - 125
1,2-Dichloropropane	50.0	45.4		ug/L		91	75 - 120
trans-1,3-Dichloropropene	50.0	42.7		ug/L		85	63 - 134
cis-1,3-Dichloropropene	50.0	46.0		ug/L		92	74 - 140
Ethylbenzene	50.0	45.4		ug/L		91	80 - 130
2-Hexanone	250	245		ug/L		98	60 - 142
Isopropylbenzene	50.0	47.4		ug/L		95	80 - 141
Methyl Acetate	50.0	38.5		ug/L		77	64 - 150
Methyl tert-Butyl Ether	50.0	46.1		ug/L		92	72 - 133
Methylene Chloride	50.0	55.8		ug/L		112	79 - 123
4-Methyl-2-pentanone	250	238		ug/L		95	60 - 137
Styrene	50.0	44.9		ug/L		90	80 - 127
1,1,2,2-Tetrachloroethane	50.0	39.0		ug/L		78	69 - 131
Tetrachloroethene	50.0	49.4		ug/L		99	80 - 126
Toluene	50.0	47.0		ug/L		94	80 - 126
1,2,4-Trichlorobenzene	50.0	44.0		ug/L		88	63 - 133
1,2,3-Trichlorobenzene	50.0	46.5		ug/L		93	62 - 133
1,1,1-Trichloroethane	50.0	49.0		ug/L		98	78 - 135
1,1,2-Trichloroethane	50.0	50.0		ug/L		100	80 - 124
Trichloroethene	50.0	53.2		ug/L		106	80 - 123
Trichlorofluoromethane	50.0	46.6		ug/L		93	65 - 124
Vinyl chloride	50.0	48.0		ug/L		96	68 - 120
Xylenes, total	150	133		ug/L		89	80 - 132

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	101		70 - 130
Dibromofluoromethane	107		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	90		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0745-BSD1**

**Matrix: Water**

**Analysis Batch: V003684**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0745\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Acetone	250	329	R2	ug/L		131	54 - 145	25	21	
Benzene	50.0	47.7		ug/L		95	80 - 121	2	17	
Bromochloromethane	50.0	51.2		ug/L		102	78 - 129	0.06	17	
Bromodichloromethane	50.0	43.8		ug/L		88	75 - 129	0.8	18	
Bromoform	50.0	35.2		ug/L		70	46 - 145	0.6	16	
Bromomethane	50.0	46.6		ug/L		93	41 - 150	0.5	50	
2-Butanone	250	270		ug/L		108	62 - 133	6	19	
Carbon disulfide	50.0	46.5		ug/L		93	77 - 126	0.3	21	
Carbon Tetrachloride	50.0	49.4		ug/L		99	64 - 147	0.5	19	
Chlorobenzene	50.0	46.5		ug/L		93	80 - 120	1	14	
Chlorodibromomethane	50.0	46.4		ug/L		93	69 - 133	1	15	
Chloroethane	50.0	45.1		ug/L		90	72 - 120	1	20	
Chloroform	50.0	48.6		ug/L		97	73 - 129	1	18	
Chloromethane	50.0	29.0		ug/L		58	12 - 150	2	31	
Cyclohexane	50.0	48.2		ug/L		96	73 - 122	1	16	
1,2-Dibromo-3-chloropropane	50.0	35.1		ug/L		70	54 - 125	2	24	
1,2-Dibromoethane (EDB)	50.0	48.7		ug/L		97	80 - 129	0.7	15	
Methylcyclohexane	50.0	46.2		ug/L		92	71 - 129	0.09	19	
1,2-Dichlorobenzene	50.0	46.9		ug/L		94	80 - 121	0.7	15	
1,3-Dichlorobenzene	50.0	46.0		ug/L		92	80 - 122	0	15	
1,4-Dichlorobenzene	50.0	46.7		ug/L		93	80 - 120	0.4	15	
Dichlorodifluoromethane	50.0	43.2		ug/L		86	37 - 127	0.5	18	
1,2-Dichloroethane	50.0	47.7		ug/L		95	77 - 121	0.9	17	
1,1-Dichloroethane	50.0	47.9		ug/L		96	78 - 125	3	17	
1,1-Dichloroethene	50.0	53.5		ug/L		107	79 - 124	6	17	
trans-1,2-Dichloroethene	50.0	49.7		ug/L		99	79 - 126	2	16	
1,1,2-Trifluorotrchloroethane	50.0	50.8		ug/L		102	77 - 129	0.8	18	
cis-1,2-Dichloroethene	50.0	47.6		ug/L		95	76 - 125	1	17	
1,2-Dichloropropane	50.0	45.5		ug/L		91	75 - 120	0.04	17	
trans-1,3-Dichloropropene	50.0	42.4		ug/L		85	63 - 134	0.8	14	
cis-1,3-Dichloropropene	50.0	45.8		ug/L		92	74 - 140	0.4	15	
Ethylbenzene	50.0	45.2		ug/L		90	80 - 130	0.5	15	
2-Hexanone	250	239		ug/L		95	60 - 142	3	15	
Isopropylbenzene	50.0	47.3		ug/L		95	80 - 141	0.3	16	
Methyl Acetate	50.0	36.7		ug/L		73	64 - 150	5	31	
Methyl tert-Butyl Ether	50.0	47.7		ug/L		95	72 - 133	3	16	
Methylene Chloride	50.0	55.3		ug/L		111	79 - 123	0.8	17	
4-Methyl-2-pentanone	250	241		ug/L		96	60 - 137	1	17	
Styrene	50.0	44.7		ug/L		89	80 - 127	0.5	24	
1,1,1,2-Tetrachloroethane	50.0	42.8		ug/L		86	69 - 131	9	20	
Tetrachloroethene	50.0	49.2		ug/L		98	80 - 126	0.2	16	
Toluene	50.0	46.7		ug/L		93	80 - 126	0.6	15	
1,2,4-Trichlorobenzene	50.0	45.0		ug/L		90	63 - 133	2	19	
1,2,3-Trichlorobenzene	50.0	47.2		ug/L		94	62 - 133	1	25	
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	78 - 135	0.9	17	
1,1,2-Trichloroethane	50.0	50.3		ug/L		101	80 - 124	0.6	15	
Trichloroethene	50.0	49.7		ug/L		99	80 - 123	7	17	
Trichlorofluoromethane	50.0	45.4		ug/L		91	65 - 124	3	18	
Vinyl chloride	50.0	47.9		ug/L		96	68 - 120	0.2	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0745-BSD1**

**Matrix: Water**

**Analysis Batch: V003684**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0745\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	150	132		ug/L		88	80 - 132	0.4	15

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
1,2-Dichloroethane-d4	99		70 - 130
Dibromofluoromethane	107		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	90		70 - 130

**Lab Sample ID: 12C0745-MS1**

**Matrix: Water**

**Analysis Batch: V003684**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0745\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<2500		25000	30500		ug/L		122	45 - 141
Benzene	<50.0		5000	5330		ug/L		107	75 - 133
Bromochloromethane	<50.0		5000	5520		ug/L		110	67 - 139
Bromodichloromethane	<50.0		5000	4870		ug/L		97	70 - 140
Bromoform	<50.0		5000	3820		ug/L		76	42 - 147
Bromomethane	<50.0		5000	4330		ug/L		87	16 - 163
2-Butanone	<2500		25000	26800		ug/L		107	50 - 138
Carbon disulfide	<50.0		5000	5140		ug/L		103	48 - 152
Carbon Tetrachloride	<50.0		5000	5850		ug/L		117	62 - 164
Chlorobenzene	<50.0		5000	5140		ug/L		103	80 - 129
Chlorodibromomethane	<50.0		5000	5110		ug/L		102	66 - 140
Chloroethane	<50.0		5000	5170		ug/L		103	58 - 137
Chloroform	<50.0		5000	5520		ug/L		110	66 - 138
Chloromethane	<50.0		5000	3090		ug/L		62	10 - 169
Cyclohexane	<250		5000	5260		ug/L		105	58 - 144
1,2-Dibromo-3-chloropropane	<500		5000	3240		ug/L		65	52 - 126
1,2-Dibromoethane (EDB)	<50.0		5000	5080		ug/L		102	75 - 137
Methylcyclohexane	<250		5000	5020		ug/L		100	59 - 151
1,2-Dichlorobenzene	<50.0		5000	4960		ug/L		99	79 - 128
1,3-Dichlorobenzene	<50.0		5000	4800		ug/L		96	77 - 131
1,4-Dichlorobenzene	<50.0		5000	4920		ug/L		98	78 - 126
Dichlorodifluoromethane	<60.0		5000	4590		ug/L		92	40 - 127
1,2-Dichloroethane	<50.0		5000	5360		ug/L		107	64 - 136
1,1-Dichloroethane	<50.0		5000	5460		ug/L		109	71 - 139
1,1-Dichloroethene	<50.0		5000	5910		ug/L		118	70 - 142
trans-1,2-Dichloroethene	<50.0		5000	5400		ug/L		108	66 - 143
1,1,2-Trifluoro-trichloroethane	<50.0		5000	5850		ug/L		117	72 - 148
cis-1,2-Dichloroethene	<50.0		5000	5350		ug/L		107	68 - 138
1,2-Dichloropropane	<50.0		5000	5000		ug/L		100	67 - 131
trans-1,3-Dichloropropene	<50.0		5000	4420		ug/L		88	59 - 135
cis-1,3-Dichloropropene	<50.0		5000	4760		ug/L		95	71 - 141
Ethylbenzene	<50.0		5000	4980		ug/L		100	79 - 139
2-Hexanone	<500		25000	23200		ug/L		93	50 - 150
Isopropylbenzene	<50.0		5000	5220		ug/L		104	80 - 153
Methyl Acetate	<500		5000	3630		ug/L		73	30 - 165
Methyl tert-Butyl Ether	<50.0		5000	4560		ug/L		91	66 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0745-MS1**

**Matrix: Water**

**Analysis Batch: V003684**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0745\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
Methylene Chloride	<250		5000	6060		ug/L		121	64 - 139	
4-Methyl-2-pentanone	<500		25000	24100		ug/L		96	50 - 147	
Styrene	<50.0		5000	4900		ug/L		98	61 - 148	
1,1,2,2-Tetrachloroethane	<50.0		5000	4450		ug/L		89	56 - 143	
Tetrachloroethene	10300		5000	15500		ug/L		103	72 - 145	
Toluene	<50.0		5000	5150		ug/L		103	75 - 136	
1,2,4-Trichlorobenzene	<50.0		5000	4100		ug/L		82	60 - 136	
1,2,3-Trichlorobenzene	<50.0		5000	4180		ug/L		84	55 - 138	
1,1,1-Trichloroethane	<50.0		5000	5560		ug/L		111	76 - 149	
1,1,2-Trichloroethane	<50.0		5000	5460		ug/L		109	74 - 134	
Trichloroethene	<50.0		5000	5410		ug/L		108	73 - 144	
Trichlorofluoromethane	<50.0		5000	5580		ug/L		112	58 - 139	
Vinyl chloride	<50.0		5000	5270		ug/L		105	56 - 129	
Xylenes, total	<150		15000	14700		ug/L		98	74 - 141	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
1,2-Dichloroethane-d4	108		70 - 130
Dibromofluoromethane	113		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	83		70 - 130

**Lab Sample ID: 12C0745-MSD1**

**Matrix: Water**

**Analysis Batch: V003684**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0745\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Acetone	<2500		25000	29600		ug/L		118	45 - 141	3	21	
Benzene	<50.0		5000	4830		ug/L		97	75 - 133	10	17	
Bromochloromethane	<50.0		5000	4950		ug/L		99	67 - 139	11	17	
Bromodichloromethane	<50.0		5000	4440		ug/L		89	70 - 140	9	18	
Bromoform	<50.0		5000	3510		ug/L		70	42 - 147	8	16	
Bromomethane	<50.0		5000	4770		ug/L		95	16 - 163	10	50	
2-Butanone	<2500		25000	25700		ug/L		103	50 - 138	4	19	
Carbon disulfide	<50.0		5000	4560		ug/L		91	48 - 152	12	21	
Carbon Tetrachloride	<50.0		5000	5070		ug/L		101	62 - 164	14	19	
Chlorobenzene	<50.0		5000	4730		ug/L		95	80 - 129	8	14	
Chlorodibromomethane	<50.0		5000	4650		ug/L		93	66 - 140	9	15	
Chloroethane	<50.0		5000	4720		ug/L		94	58 - 137	9	20	
Chloroform	<50.0		5000	5010		ug/L		100	66 - 138	10	18	
Chloromethane	<50.0		5000	2920		ug/L		58	10 - 169	6	31	
Cyclohexane	<250		5000	4610		ug/L		92	58 - 144	13	16	
1,2-Dibromo-3-chloropropane	<500		5000	3220		ug/L		64	52 - 126	0.8	24	
1,2-Dibromoethane (EDB)	<50.0		5000	4790		ug/L		96	75 - 137	6	15	
Methylcyclohexane	<250		5000	4380		ug/L		88	59 - 151	14	19	
1,2-Dichlorobenzene	<50.0		5000	4630		ug/L		93	79 - 128	7	15	
1,3-Dichlorobenzene	<50.0		5000	4500		ug/L		90	77 - 131	6	15	
1,4-Dichlorobenzene	<50.0		5000	4620		ug/L		92	78 - 126	6	15	
Dichlorodifluoromethane	<60.0		5000	3830		ug/L		77	40 - 127	18	18	
1,2-Dichloroethane	<50.0		5000	4870		ug/L		97	64 - 136	10	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0745-MSD1**

**Matrix: Water**

**Analysis Batch: V003684**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0745\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
1,1-Dichloroethane	<50.0		5000	5020		ug/L		100	71 - 139	8	17	
1,1-Dichloroethene	<50.0		5000	5060		ug/L		101	70 - 142	16	17	
trans-1,2-Dichloroethene	<50.0		5000	4790		ug/L		96	66 - 143	12	16	
1,1,2-Trifluorotrchloroethane	<50.0		5000	4970		ug/L		99	72 - 148	16	18	
cis-1,2-Dichloroethene	<50.0		5000	4870		ug/L		97	68 - 138	9	17	
1,2-Dichloropropane	<50.0		5000	4570		ug/L		91	67 - 131	9	17	
trans-1,3-Dichloropropene	<50.0		5000	4170		ug/L		83	59 - 135	6	14	
cis-1,3-Dichloropropene	<50.0		5000	4530		ug/L		91	71 - 141	5	15	
Ethylbenzene	<50.0		5000	4580		ug/L		92	79 - 139	8	15	
2-Hexanone	<500		25000	22200		ug/L		89	50 - 150	4	15	
Isopropylbenzene	<50.0		5000	4820		ug/L		96	80 - 153	8	16	
Methyl Acetate	<500		5000	3510		ug/L		70	30 - 165	3	31	
Methyl tert-Butyl Ether	<50.0		5000	4340		ug/L		87	66 - 141	5	16	
Methylene Chloride	<250		5000	5620		ug/L		112	64 - 139	8	17	
4-Methyl-2-pentanone	<500		25000	23200		ug/L		93	50 - 147	4	17	
Styrene	<50.0		5000	4560		ug/L		91	61 - 148	7	24	
1,1,2,2-Tetrachloroethane	<50.0		5000	4250		ug/L		85	56 - 143	5	20	
Tetrachloroethene	10300		5000	14500		ug/L		85	72 - 145	6	16	
Toluene	<50.0		5000	4740		ug/L		95	75 - 136	8	15	
1,2,4-Trichlorobenzene	<50.0		5000	4060		ug/L		81	60 - 136	1	19	
1,2,3-Trichlorobenzene	<50.0		5000	4350		ug/L		87	55 - 138	4	25	
1,1,1-Trichloroethane	<50.0		5000	4920		ug/L		98	76 - 149	12	17	
1,1,2-Trichloroethane	<50.0		5000	5040		ug/L		101	74 - 134	8	15	
Trichloroethene	<50.0		5000	4890		ug/L		98	73 - 144	10	17	
Trichlorofluoromethane	<50.0		5000	4690		ug/L		94	58 - 139	17	18	
Vinyl chloride	<50.0		5000	4590		ug/L		92	56 - 129	14	17	
Xylenes, total	<150		15000	13500		ug/L		90	74 - 141	8	15	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	104		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	86		70 - 130

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

**Lab Sample ID: 12C0050-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0050**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0050\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Anthracene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0050-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0050**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0050\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Carbazole	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Chrysene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Fluorene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Isophorone	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/02/12 23:00	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0050-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0050**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0050\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Phenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
Pyrene	<1.00		2.00	1.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		03/01/12 11:20	03/02/12 23:00	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		03/01/12 11:20	03/02/12 23:00	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	115		13 - 120	03/01/12 11:20	03/02/12 23:00	1.00
2,4,6-Tribromophenol	64		10 - 120	03/01/12 11:20	03/02/12 23:00	1.00
Phenol-d5	29		10 - 120	03/01/12 11:20	03/02/12 23:00	1.00
2-Fluorobiphenyl	74		29 - 120	03/01/12 11:20	03/02/12 23:00	1.00
2-Fluorophenol	47		10 - 120	03/01/12 11:20	03/02/12 23:00	1.00
Nitrobenzene-d5	76		27 - 120	03/01/12 11:20	03/02/12 23:00	1.00

**Lab Sample ID: 12C0050-BS1**

**Matrix: Water**

**Analysis Batch: 12C0050**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0050\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	45.1	MNR1	ug/L		90	46 - 120
Acenaphthylene	50.0	41.1	MNR1	ug/L		82	48 - 120
Anthracene	50.0	50.2	MNR1	ug/L		100	58 - 130
Benzo (a) anthracene	50.0	50.8	MNR1	ug/L		102	57 - 120
Benzo (a) pyrene	50.0	54.6	MNR1	ug/L		109	57 - 124
Benzo (b) fluoranthene	50.0	48.7	MNR1	ug/L		97	51 - 125
Benzo (g,h,i) perylene	50.0	50.8	MNR1	ug/L		102	51 - 123
Benzo (k) fluoranthene	50.0	53.6	MNR1	ug/L		107	51 - 120
4-Bromophenyl phenyl ether	50.0	49.3	MNR1	ug/L		99	47 - 127
Butyl benzyl phthalate	50.0	52.6	MNR1	ug/L		105	51 - 146
Carbazole	50.0	50.9	MNR1	ug/L		102	54 - 123
4-Chloro-3-methylphenol	50.0	44.4	MNR1	ug/L		89	44 - 120
4-Chloroaniline	50.0	41.3	MNR1	ug/L		83	44 - 120
Bis(2-chloroethoxy)methane	50.0	42.6	MNR1	ug/L		85	44 - 120
Bis(2-chloroethyl)ether	50.0	44.0	MNR1	ug/L		88	47 - 120
Bis(2-chloroisopropyl)ether	50.0	46.2	MNR1	ug/L		92	44 - 120
2-Chloronaphthalene	50.0	33.0	MNR1	ug/L		66	39 - 120
2-Chlorophenol	50.0	43.2	MNR1	ug/L		86	40 - 120
4-Chlorophenyl phenyl ether	50.0	48.4	MNR1	ug/L		97	50 - 120
Chrysene	50.0	47.4	MNR1	ug/L		95	55 - 120
Dibenz (a,h) anthracene	50.0	50.7	MNR1	ug/L		101	50 - 125
Dibenzofuran	50.0	48.6	MNR1	ug/L		97	50 - 120
Di-n-butyl phthalate	50.0	49.4	MNR1	ug/L		99	54 - 140
1,4-Dichlorobenzene	50.0	25.9	MNR1	ug/L		52	31 - 120
1,2-Dichlorobenzene	50.0	26.3	MNR1	ug/L		53	32 - 120
1,3-Dichlorobenzene	50.0	26.1	MNR1	ug/L		52	32 - 120
3,3-Dichlorobenzidine	50.0	48.9	MNR1	ug/L		98	46 - 129
2,4-Dichlorophenol	50.0	43.4	MNR1	ug/L		87	38 - 120
Diethyl phthalate	50.0	49.0	MNR1	ug/L		98	54 - 128

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0050-BS1**

**Matrix: Water**

**Analysis Batch: 12C0050**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0050\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	50.0	44.2	MNR1	ug/L		88	21 - 126
Dimethyl phthalate	50.0	47.7	MNR1	ug/L		95	53 - 127
4,6-Dinitro-2-methylphenol	50.0	47.7	MNR1	ug/L		95	19 - 150
2,4-Dinitrophenol	50.0	44.6	MNR1	ug/L		89	20 - 150
2,6-Dinitrotoluene	50.0	42.5	MNR1	ug/L		85	54 - 128
2,4-Dinitrotoluene	50.0	39.5	MNR1	ug/L		79	46 - 132
Di-n-octyl phthalate	50.0	48.0	MNR1	ug/L		96	50 - 142
Bis(2-ethylhexyl)phthalate	50.0	55.2	MNR1	ug/L		110	47 - 138
Fluoranthene	50.0	51.4	MNR1	ug/L		103	56 - 120
Fluorene	50.0	49.3	MNR1	ug/L		99	52 - 120
Hexachlorobenzene	50.0	49.0	MNR1	ug/L		98	48 - 131
Hexachlorobutadiene	50.0	30.9	MNR1	ug/L		62	28 - 120
Hexachlorocyclopentadiene	50.0	19.8	MNR1	ug/L		40	17 - 120
Hexachloroethane	50.0	31.4	MNR1	ug/L		63	30 - 120
Indeno (1,2,3-cd) pyrene	50.0	51.4	MNR1	ug/L		103	54 - 125
Isophorone	50.0	34.0	MNR1	ug/L		68	47 - 120
2-Methylnaphthalene	50.0	36.0	MNR1	ug/L		72	31 - 120
2-Methylphenol	50.0	31.7	MNR1	ug/L		63	38 - 120
Naphthalene	50.0	37.6	MNR1	ug/L		75	37 - 120
3/4-Methylphenol	50.0	27.4	MNR1	ug/L		55	33 - 120
3-Nitroaniline	50.0	50.9	MNR1	ug/L		102	54 - 121
2-Nitroaniline	50.0	49.9	MNR1	ug/L		100	46 - 131
4-Nitroaniline	50.0	49.3	MNR1	ug/L		99	55 - 123
Nitrobenzene	50.0	31.9	MNR1	ug/L		64	36 - 120
4-Nitrophenol	50.0	17.0	MNR1 J	ug/L		34	10 - 120
2-Nitrophenol	50.0	39.4	MNR1	ug/L		79	32 - 120
N-Nitrosodiphenylamine	50.0	60.4	MNR1	ug/L		121	58 - 149
N-Nitrosodi-n-propylamine	50.0	45.8	MNR1	ug/L		92	51 - 120
Pentachlorophenol	50.0	53.4	MNR1	ug/L		107	21 - 150
Phenanthrene	50.0	48.3	MNR1	ug/L		97	56 - 120
Phenol	50.0	16.6	MNR1	ug/L		33	14 - 120
Pyrene	50.0	51.5	MNR1	ug/L		103	53 - 129
1,2,4-Trichlorobenzene	50.0	24.5	MNR1	ug/L		49	30 - 120
2,4,6-Trichlorophenol	50.0	53.6	MNR1	ug/L		107	39 - 135
2,4,5-Trichlorophenol	50.0	40.1	MNR1	ug/L		80	40 - 129

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	105		13 - 120
2,4,6-Tribromophenol	73		10 - 120
Phenol-d5	28		10 - 120
2-Fluorobiphenyl	75		29 - 120
2-Fluorophenol	44		10 - 120
Nitrobenzene-d5	71		27 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0050-BSD1**

**Matrix: Water**

**Analysis Batch: 12C0050**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0050\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	RPD Limit
							Limits	RPD		
Acenaphthene	50.0	46.7		ug/L		93	46 - 120	3	31	
Acenaphthylene	50.0	42.5		ug/L		85	48 - 120	3	31	
Anthracene	50.0	51.6		ug/L		103	58 - 130	3	28	
Benzo (a) anthracene	50.0	52.9		ug/L		106	57 - 120	4	27	
Benzo (a) pyrene	50.0	56.1		ug/L		112	57 - 124	3	27	
Benzo (b) fluoranthene	50.0	53.4		ug/L		107	51 - 125	9	39	
Benzo (g,h,i) perylene	50.0	52.7		ug/L		105	51 - 123	4	27	
Benzo (k) fluoranthene	50.0	53.6		ug/L		107	51 - 120	0.09	32	
4-Bromophenyl phenyl ether	50.0	51.9		ug/L		104	47 - 127	5	29	
Butyl benzyl phthalate	50.0	55.7		ug/L		111	51 - 146	6	31	
Carbazole	50.0	52.6		ug/L		105	54 - 123	3	29	
4-Chloro-3-methylphenol	50.0	45.1		ug/L		90	44 - 120	2	22	
4-Chloroaniline	50.0	41.4		ug/L		83	44 - 120	0.2	26	
Bis(2-chloroethoxy)methane	50.0	43.1		ug/L		86	44 - 120	1	31	
Bis(2-chloroethyl)ether	50.0	45.5		ug/L		91	47 - 120	3	38	
Bis(2-chloroisopropyl)ether	50.0	46.6		ug/L		93	44 - 120	0.8	36	
2-Chloronaphthalene	50.0	33.6		ug/L		67	39 - 120	2	36	
2-Chlorophenol	50.0	45.2		ug/L		90	40 - 120	4	46	
4-Chlorophenyl phenyl ether	50.0	49.6		ug/L		99	50 - 120	2	29	
Chrysene	50.0	49.3		ug/L		99	55 - 120	4	27	
Dibenz (a,h) anthracene	50.0	52.9		ug/L		106	50 - 125	4	28	
Dibenzofuran	50.0	49.4		ug/L		99	50 - 120	2	29	
Di-n-butyl phthalate	50.0	51.6		ug/L		103	54 - 140	4	27	
1,4-Dichlorobenzene	50.0	26.8		ug/L		54	31 - 120	3	44	
1,2-Dichlorobenzene	50.0	27.4		ug/L		55	32 - 120	4	42	
1,3-Dichlorobenzene	50.0	26.5		ug/L		53	32 - 120	1	42	
3,3-Dichlorobenzidine	50.0	42.0		ug/L		84	46 - 129	15	30	
2,4-Dichlorophenol	50.0	44.9		ug/L		90	38 - 120	3	30	
Diethyl phthalate	50.0	51.5		ug/L		103	54 - 128	5	28	
2,4-Dimethylphenol	50.0	42.9		ug/L		86	21 - 126	3	48	
Dimethyl phthalate	50.0	50.3		ug/L		101	53 - 127	5	27	
4,6-Dinitro-2-methylphenol	50.0	53.6		ug/L		107	19 - 150	12	34	
2,4-Dinitrophenol	50.0	55.2		ug/L		110	20 - 150	21	31	
2,6-Dinitrotoluene	50.0	44.7		ug/L		89	54 - 128	5	29	
2,4-Dinitrotoluene	50.0	43.0		ug/L		86	46 - 132	9	26	
Di-n-octyl phthalate	50.0	52.2		ug/L		104	50 - 142	8	28	
Bis(2-ethylhexyl)phthalate	50.0	77.6	L	ug/L		155	47 - 138	34	28	
Fluoranthene	50.0	53.5		ug/L		107	56 - 120	4	28	
Fluorene	50.0	51.4		ug/L		103	52 - 120	4	28	
Hexachlorobenzene	50.0	51.1		ug/L		102	48 - 131	4	28	
Hexachlorobutadiene	50.0	30.9		ug/L		62	28 - 120	0.1	43	
Hexachlorocyclopentadiene	50.0	20.8		ug/L		42	17 - 120	5	43	
Hexachloroethane	50.0	31.7		ug/L		63	30 - 120	1	45	
Indeno (1,2,3-cd) pyrene	50.0	53.2		ug/L		106	54 - 125	4	27	
Isophorone	50.0	34.9		ug/L		70	47 - 120	2	31	
2-Methylnaphthalene	50.0	36.6		ug/L		73	31 - 120	1	35	
2-Methylphenol	50.0	32.5		ug/L		65	38 - 120	2	32	
Naphthalene	50.0	37.9		ug/L		76	37 - 120	0.6	37	
3/4-Methylphenol	50.0	29.1		ug/L		58	33 - 120	6	34	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0050-BSD1**

**Matrix: Water**

**Analysis Batch: 12C0050**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0050\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
3-Nitroaniline	50.0	52.6		ug/L		105	54 - 121	3	26	
2-Nitroaniline	50.0	54.0		ug/L		108	46 - 131	8	24	
4-Nitroaniline	50.0	52.9		ug/L		106	55 - 123	7	26	
Nitrobenzene	50.0	32.9		ug/L		66	36 - 120	3	28	
4-Nitrophenol	50.0	19.9	J	ug/L		40	10 - 120	16	38	
2-Nitrophenol	50.0	43.9		ug/L		88	32 - 120	11	31	
N-Nitrosodiphenylamine	50.0	59.2		ug/L		118	58 - 149	2	26	
N-Nitrosodi-n-propylamine	50.0	47.8		ug/L		96	51 - 120	4	37	
Pentachlorophenol	50.0	58.1		ug/L		116	21 - 150	8	31	
Phenanthrene	50.0	50.5		ug/L		101	56 - 120	4	26	
Phenol	50.0	18.2		ug/L		36	14 - 120	9	42	
Pyrene	50.0	53.3		ug/L		107	53 - 129	3	29	
1,2,4-Trichlorobenzene	50.0	24.2		ug/L		48	30 - 120	1	35	
2,4,6-Trichlorophenol	50.0	53.5		ug/L		107	39 - 135	0.1	40	
2,4,5-Trichlorophenol	50.0	43.0		ug/L		86	40 - 129	7	34	

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
Terphenyl-d14	105		13 - 120
2,4,6-Tribromophenol	73		10 - 120
Phenol-d5	30		10 - 120
2-Fluorobiphenyl	75		29 - 120
2-Fluorophenol	47		10 - 120
Nitrobenzene-d5	72		27 - 120

**Lab Sample ID: 12C0069-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C0069**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0069\_P**

Analyte	Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0069-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C0069**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0069\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		03/02/12 07:08	03/02/12 16:13	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	76		18 - 120	03/02/12 07:08	03/02/12 16:13	1.00
2,4,6-Tribromophenol	49		19 - 120	03/02/12 07:08	03/02/12 16:13	1.00
Phenol-d5	61		18 - 120	03/02/12 07:08	03/02/12 16:13	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0069-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C0069**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C0069\_P**

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl	58		14 - 120	03/02/12 07:08	03/02/12 16:13	1.00
2-Fluorophenol	57		17 - 120	03/02/12 07:08	03/02/12 16:13	1.00
Nitrobenzene-d5	64		17 - 120	03/02/12 07:08	03/02/12 16:13	1.00

**Lab Sample ID: 12C0069-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C0069**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C0069\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.07		mg/kg wet		64	38 - 120
Anthracene	1.67	1.22		mg/kg wet		73	46 - 124
Benzo (a) anthracene	1.67	1.24		mg/kg wet		74	45 - 120
Benzo (a) pyrene	1.67	1.27		mg/kg wet		76	45 - 120
Benzo (b) fluoranthene	1.67	1.34		mg/kg wet		80	42 - 120
Benzo (g,h,i) perylene	1.67	1.30		mg/kg wet		78	38 - 120
Benzo (k) fluoranthene	1.67	1.00		mg/kg wet		60	42 - 120
4-Bromophenyl phenyl ether	1.67	1.16		mg/kg wet		70	40 - 120
Butyl benzyl phthalate	1.67	1.38		mg/kg wet		83	43 - 133
Carbazole	1.67	1.27		mg/kg wet		76	44 - 120
4-Chloro-3-methylphenol	1.67	1.25		mg/kg wet		75	38 - 120
4-Chloroaniline	1.67	1.18		mg/kg wet		70	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.19		mg/kg wet		72	32 - 120
Bis(2-chloroethyl)ether	1.67	1.28		mg/kg wet		77	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.22		mg/kg wet		73	32 - 120
2-Chloronaphthalene	1.67	0.976		mg/kg wet		59	34 - 120
2-Chlorophenol	1.67	1.21		mg/kg wet		72	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.17		mg/kg wet		70	42 - 120
Chrysene	1.67	1.16		mg/kg wet		70	43 - 120
Dibenz (a,h) anthracene	1.67	1.29		mg/kg wet		78	32 - 128
Dibenzofuran	1.67	1.22		mg/kg wet		73	41 - 120
Di-n-butyl phthalate	1.67	1.30		mg/kg wet		78	46 - 127
1,4-Dichlorobenzene	1.67	0.997		mg/kg wet		60	32 - 120
1,2-Dichlorobenzene	1.67	0.974		mg/kg wet		58	33 - 120
1,3-Dichlorobenzene	1.67	0.947		mg/kg wet		57	32 - 120
3,3-Dichlorobenzidine	1.67	1.31		mg/kg wet		79	39 - 120
2,4-Dichlorophenol	1.67	1.20		mg/kg wet		72	32 - 120
Diethyl phthalate	1.67	1.24		mg/kg wet		74	41 - 122
2,4-Dimethylphenol	1.67	1.20		mg/kg wet		72	32 - 120
Dimethyl phthalate	1.67	1.20		mg/kg wet		72	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.35		mg/kg wet		81	27 - 134
2,4-Dinitrophenol	1.67	1.28		mg/kg wet		77	23 - 142
2,6-Dinitrotoluene	1.67	1.11		mg/kg wet		66	43 - 120
2,4-Dinitrotoluene	1.67	1.06		mg/kg wet		63	43 - 120
Di-n-octyl phthalate	1.67	1.29		mg/kg wet		77	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	1.43		mg/kg wet		86	43 - 120
Fluoranthene	1.67	1.24		mg/kg wet		75	46 - 120
Fluorene	1.67	1.19		mg/kg wet		71	42 - 120
Hexachlorobenzene	1.67	1.27		mg/kg wet		76	44 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0069-BS1**

**Matrix: Soil**

**Analysis Batch: 12C0069**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0069\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Hexachlorobutadiene	1.67	1.19		mg/kg wet		72	31 - 120	
Hexachlorocyclopentadiene	1.67	0.785		mg/kg wet		47	24 - 120	
Hexachloroethane	1.67	1.22		mg/kg wet		73	33 - 120	
Indeno (1,2,3-cd) pyrene	1.67	1.27		mg/kg wet		76	41 - 121	
Isophorone	1.67	0.954		mg/kg wet		57	33 - 120	
2-Methylnaphthalene	1.67	1.15		mg/kg wet		69	28 - 120	
2-Methylphenol	1.67	0.980		mg/kg wet		59	36 - 120	
3/4-Methylphenol	1.67	0.968		mg/kg wet		58	37 - 120	
Naphthalene	1.67	1.20		mg/kg wet		72	32 - 120	
3-Nitroaniline	1.67	1.35		mg/kg wet		81	42 - 120	
2-Nitroaniline	1.67	1.35		mg/kg wet		81	40 - 120	
4-Nitroaniline	1.67	1.28		mg/kg wet		77	43 - 120	
Nitrobenzene	1.67	0.963		mg/kg wet		58	26 - 120	
4-Nitrophenol	1.67	1.22		mg/kg wet		73	32 - 136	
2-Nitrophenol	1.67	1.31		mg/kg wet		79	29 - 120	
N-Nitrosodiphenylamine	1.67	1.46		mg/kg wet		88	52 - 140	
N-Nitrosodi-n-propylamine	1.67	1.22		mg/kg wet		73	35 - 120	
Pentachlorophenol	1.67	1.57		mg/kg wet		94	44 - 134	
Phenanthrene	1.67	1.17		mg/kg wet		70	45 - 120	
Phenol	1.67	1.36		mg/kg wet		81	30 - 120	
Pyrene	1.67	1.23		mg/kg wet		74	43 - 120	
1,2,4-Trichlorobenzene	1.67	0.901		mg/kg wet		54	29 - 120	
2,4,6-Trichlorophenol	1.67	1.28		mg/kg wet		77	39 - 120	
2,4,5-Trichlorophenol	1.67	1.03		mg/kg wet		62	39 - 120	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	75		18 - 120
2,4,6-Tribromophenol	57		19 - 120
Phenol-d5	66		18 - 120
2-Fluorobiphenyl	61		14 - 120
2-Fluorophenol	63		17 - 120
Nitrobenzene-d5	64		17 - 120

**Lab Sample ID: 12C0069-MS1**

**Matrix: Soil**

**Analysis Batch: 12C0069**

**Client Sample ID: Tract 1 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0069\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Acenaphthene	<0.0372		1.87	1.15		mg/kg dry	*	62	19 - 120	
Acenaphthylene	<0.0372		1.87	1.04		mg/kg dry	*	56	25 - 120	
Anthracene	<0.0372		1.87	1.22		mg/kg dry	*	65	28 - 125	
Benzo (a) anthracene	<0.0372		1.87	1.22		mg/kg dry	*	65	23 - 120	
Benzo (a) pyrene	<0.0372		1.87	1.25		mg/kg dry	*	67	15 - 128	
Benzo (b) fluoranthene	<0.0372		1.87	1.31		mg/kg dry	*	70	12 - 133	
Benzo (g,h,i) perylene	<0.0372		1.87	1.22		mg/kg dry	*	65	22 - 120	
Benzo (k) fluoranthene	<0.0372		1.87	1.01		mg/kg dry	*	54	28 - 120	
4-Bromophenyl phenyl ether	<0.183		1.87	1.18		mg/kg dry	*	63	31 - 120	
Butyl benzyl phthalate	<0.183		1.87	1.38		mg/kg dry	*	74	24 - 133	
Carbazole	<0.183		1.87	1.25		mg/kg dry	*	67	25 - 123	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12C0069-MS1

Matrix: Soil

Analysis Batch: 12C0069

Client Sample ID: Tract 1 SB-1 (0-2)

Prep Type: Total

Prep Batch: 12C0069\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
4-Chloro-3-methylphenol	<0.183		1.87	1.23		mg/kg dry	*	66	21 - 120
4-Chloroaniline	<0.183		1.87	1.17		mg/kg dry	*	62	26 - 120
Bis(2-chloroethoxy)methane	<0.183		1.87	1.18		mg/kg dry	*	63	24 - 120
Bis(2-chloroethyl)ether	<0.183		1.87	1.23		mg/kg dry	*	66	22 - 120
Bis(2-chloroisopropyl)ether	<0.183		1.87	1.15		mg/kg dry	*	62	20 - 120
2-Chloronaphthalene	<0.183		1.87	0.956		mg/kg dry	*	51	24 - 120
2-Chlorophenol	<0.183		1.87	1.17		mg/kg dry	*	63	25 - 120
4-Chlorophenyl phenyl ether	<0.183		1.87	1.15		mg/kg dry	*	61	26 - 120
Chrysene	<0.0372		1.87	1.13		mg/kg dry	*	60	20 - 120
Dibenz (a,h) anthracene	<0.0372		1.87	1.23		mg/kg dry	*	66	12 - 128
Dibenzofuran	<0.183		1.87	1.20		mg/kg dry	*	64	21 - 120
Di-n-butyl phthalate	<0.183		1.87	1.31		mg/kg dry	*	70	29 - 126
1,4-Dichlorobenzene	<0.183		1.87	0.945		mg/kg dry	*	51	10 - 120
1,2-Dichlorobenzene	<0.183		1.87	0.929		mg/kg dry	*	50	10 - 120
1,3-Dichlorobenzene	<0.183		1.87	0.909		mg/kg dry	*	49	10 - 120
3,3-Dichlorobenzidine	<0.183		1.87	1.32		mg/kg dry	*	71	10 - 120
2,4-Dichlorophenol	<0.183		1.87	1.17		mg/kg dry	*	63	17 - 120
Diethyl phthalate	<0.183		1.87	1.21		mg/kg dry	*	65	29 - 122
2,4-Dimethylphenol	<0.210		1.87	1.15		mg/kg dry	*	62	17 - 120
Dimethyl phthalate	<0.183		1.87	1.16		mg/kg dry	*	62	30 - 120
4,6-Dinitro-2-methylphenol	<0.183		1.87	1.31		mg/kg dry	*	70	10 - 134
2,4-Dinitrophenol	<0.183		1.87	1.07		mg/kg dry	*	57	10 - 150
2,6-Dinitrotoluene	<0.183		1.87	1.06		mg/kg dry	*	57	24 - 120
2,4-Dinitrotoluene	<0.183		1.87	1.02		mg/kg dry	*	54	24 - 121
Di-n-octyl phthalate	<0.183		1.87	1.31		mg/kg dry	*	70	27 - 130
Bis(2-ethylhexyl)phthalate	<0.183		1.87	1.42		mg/kg dry	*	76	26 - 120
Fluoranthene	<0.0372		1.87	1.25		mg/kg dry	*	67	10 - 143
Fluorene	<0.0372		1.87	1.17		mg/kg dry	*	63	20 - 120
Hexachlorobenzene	<0.183		1.87	1.29		mg/kg dry	*	69	25 - 120
Hexachlorobutadiene	<0.183		1.87	1.14		mg/kg dry	*	61	10 - 120
Hexachlorocyclopentadiene	<0.183		1.87	0.647		mg/kg dry	*	35	10 - 120
Hexachloroethane	<0.183		1.87	1.17		mg/kg dry	*	63	10 - 120
Indeno (1,2,3-cd) pyrene	<0.0372		1.87	1.21		mg/kg dry	*	65	22 - 121
Isophorone	<0.183		1.87	0.940		mg/kg dry	*	50	24 - 120
2-Methylnaphthalene	<0.0372		1.87	1.12		mg/kg dry	*	60	13 - 120
2-Methylphenol	<0.183		1.87	0.949		mg/kg dry	*	51	23 - 120
3/4-Methylphenol	<0.183		1.87	0.961		mg/kg dry	*	51	19 - 120
Naphthalene	<0.0372		1.87	1.18		mg/kg dry	*	63	10 - 120
3-Nitroaniline	<0.183		1.87	1.31		mg/kg dry	*	70	31 - 120
2-Nitroaniline	<0.183		1.87	1.34		mg/kg dry	*	71	31 - 120
4-Nitroaniline	<0.183		1.87	1.20		mg/kg dry	*	64	28 - 120
Nitrobenzene	<0.183		1.87	0.937		mg/kg dry	*	50	19 - 120
4-Nitrophenol	<0.183		1.87	1.17		mg/kg dry	*	63	16 - 139
2-Nitrophenol	<0.214		1.87	1.28		mg/kg dry	*	69	23 - 120
N-Nitrosodiphenylamine	<0.200		1.87	1.50		mg/kg dry	*	80	26 - 150
N-Nitrosodi-n-propylamine	<0.183		1.87	1.19		mg/kg dry	*	63	24 - 120
Pentachlorophenol	<0.183		1.87	1.47		mg/kg dry	*	79	19 - 145
Phenanthrene	<0.0372		1.87	1.18		mg/kg dry	*	63	21 - 122
Phenol	<0.183		1.87	1.32		mg/kg dry	*	70	15 - 120
Pyrene	<0.0372		1.87	1.21		mg/kg dry	*	64	20 - 123

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0069-MS1**

**Matrix: Soil**

**Analysis Batch: 12C0069**

**Client Sample ID: Tract 1 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0069\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,2,4-Trichlorobenzene	<0.183		1.87	0.873		mg/kg dry	☼	47	14 - 120	
2,4,6-Trichlorophenol	<0.183		1.87	1.27		mg/kg dry	☼	68	24 - 122	
2,4,5-Trichlorophenol	<0.183		1.87	1.03		mg/kg dry	☼	55	27 - 120	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Terphenyl-d14	63		18 - 120
2,4,6-Tribromophenol	50		19 - 120
Phenol-d5	54		18 - 120
2-Fluorobiphenyl	49		14 - 120
2-Fluorophenol	49		17 - 120
Nitrobenzene-d5	50		17 - 120

**Lab Sample ID: 12C0069-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C0069**

**Client Sample ID: Tract 1 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0069\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						RPD	Limit
Acenaphthene	<0.0372		1.86	1.15		mg/kg dry	☼	62	19 - 120	0.6	50	
Acenaphthylene	<0.0372		1.86	1.05		mg/kg dry	☼	56	25 - 120	0.9	50	
Anthracene	<0.0372		1.86	1.25		mg/kg dry	☼	67	28 - 125	3	49	
Benzo (a) anthracene	<0.0372		1.86	1.23		mg/kg dry	☼	66	23 - 120	0.6	50	
Benzo (a) pyrene	<0.0372		1.86	1.28		mg/kg dry	☼	69	15 - 128	2	50	
Benzo (b) fluoranthene	<0.0372		1.86	1.38		mg/kg dry	☼	74	12 - 133	5	50	
Benzo (g,h,i) perylene	<0.0372		1.86	1.21		mg/kg dry	☼	65	22 - 120	0.3	50	
Benzo (k) fluoranthene	<0.0372		1.86	0.956		mg/kg dry	☼	51	28 - 120	5	45	
4-Bromophenyl phenyl ether	<0.183		1.86	1.19		mg/kg dry	☼	64	31 - 120	0.3	37	
Butyl benzyl phthalate	<0.183		1.86	1.43		mg/kg dry	☼	77	24 - 133	3	50	
Carbazole	<0.183		1.86	1.28		mg/kg dry	☼	69	25 - 123	2	46	
4-Chloro-3-methylphenol	<0.183		1.86	1.26		mg/kg dry	☼	68	21 - 120	2	49	
4-Chloroaniline	<0.183		1.86	1.20		mg/kg dry	☼	65	26 - 120	3	50	
Bis(2-chloroethoxy)methane	<0.183		1.86	1.24		mg/kg dry	☼	66	24 - 120	5	50	
Bis(2-chloroethyl)ether	<0.183		1.86	1.18		mg/kg dry	☼	64	22 - 120	4	50	
Bis(2-chloroisopropyl)ether	<0.183		1.86	1.18		mg/kg dry	☼	63	20 - 120	2	50	
2-Chloronaphthalene	<0.183		1.86	0.949		mg/kg dry	☼	51	24 - 120	0.7	50	
2-Chlorophenol	<0.183		1.86	1.19		mg/kg dry	☼	64	25 - 120	1	50	
4-Chlorophenyl phenyl ether	<0.183		1.86	1.17		mg/kg dry	☼	63	26 - 120	3	50	
Chrysene	<0.0372		1.86	1.13		mg/kg dry	☼	61	20 - 120	0.4	49	
Dibenz (a,h) anthracene	<0.0372		1.86	1.23		mg/kg dry	☼	66	12 - 128	0.3	50	
Dibenzofuran	<0.183		1.86	1.20		mg/kg dry	☼	65	21 - 120	0.3	50	
Di-n-butyl phthalate	<0.183		1.86	1.36		mg/kg dry	☼	73	29 - 126	4	49	
1,4-Dichlorobenzene	<0.183		1.86	0.947		mg/kg dry	☼	51	10 - 120	0.2	50	
1,2-Dichlorobenzene	<0.183		1.86	0.957		mg/kg dry	☼	51	10 - 120	3	50	
1,3-Dichlorobenzene	<0.183		1.86	0.915		mg/kg dry	☼	49	10 - 120	0.6	50	
3,3-Dichlorobenzidine	<0.183		1.86	1.32		mg/kg dry	☼	71	10 - 120	0.2	50	
2,4-Dichlorophenol	<0.183		1.86	1.18		mg/kg dry	☼	64	17 - 120	0.9	50	
Diethyl phthalate	<0.183		1.86	1.25		mg/kg dry	☼	67	29 - 122	3	45	
2,4-Dimethylphenol	<0.210		1.86	1.18		mg/kg dry	☼	63	17 - 120	2	50	
Dimethyl phthalate	<0.183		1.86	1.17		mg/kg dry	☼	63	30 - 120	0.8	46	
4,6-Dinitro-2-methylphenol	<0.183		1.86	1.31		mg/kg dry	☼	71	10 - 134	0.08	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0069-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C0069**

**Client Sample ID: Tract 1 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0069\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
2,4-Dinitrophenol	<0.183		1.86	1.05		mg/kg dry	*	56	10 - 150	2	50
2,6-Dinitrotoluene	<0.183		1.86	1.10		mg/kg dry	*	59	24 - 120	4	50
2,4-Dinitrotoluene	<0.183		1.86	1.04		mg/kg dry	*	56	24 - 121	2	50
Di-n-octyl phthalate	<0.183		1.86	1.32		mg/kg dry	*	71	27 - 130	0.6	50
Bis(2-ethylhexyl)phthalate	<0.183		1.86	1.48		mg/kg dry	*	79	26 - 120	4	50
Fluoranthene	<0.0372		1.86	1.26		mg/kg dry	*	68	10 - 143	0.9	50
Fluorene	<0.0372		1.86	1.18		mg/kg dry	*	63	20 - 120	0.4	50
Hexachlorobenzene	<0.183		1.86	1.30		mg/kg dry	*	70	25 - 120	0.9	50
Hexachlorobutadiene	<0.183		1.86	1.20		mg/kg dry	*	65	10 - 120	5	50
Hexachlorocyclopentadiene	<0.183		1.86	0.624		mg/kg dry	*	34	10 - 120	4	50
Hexachloroethane	<0.183		1.86	1.19		mg/kg dry	*	64	10 - 120	1	50
Indeno (1,2,3-cd) pyrene	<0.0372		1.86	1.21		mg/kg dry	*	65	22 - 121	0.1	50
Isophorone	<0.183		1.86	0.974		mg/kg dry	*	52	24 - 120	4	50
2-Methylnaphthalene	<0.0372		1.86	1.15		mg/kg dry	*	62	13 - 120	3	50
2-Methylphenol	<0.183		1.86	0.958		mg/kg dry	*	51	23 - 120	1	50
3/4-Methylphenol	<0.183		1.86	0.980		mg/kg dry	*	53	19 - 120	2	50
Naphthalene	<0.0372		1.86	1.20		mg/kg dry	*	65	10 - 120	2	50
3-Nitroaniline	<0.183		1.86	1.31		mg/kg dry	*	71	31 - 120	0.6	49
2-Nitroaniline	<0.183		1.86	1.33		mg/kg dry	*	71	31 - 120	0.6	50
4-Nitroaniline	<0.183		1.86	1.26		mg/kg dry	*	67	28 - 120	5	49
Nitrobenzene	<0.183		1.86	0.965		mg/kg dry	*	52	19 - 120	3	50
4-Nitrophenol	<0.183		1.86	1.19		mg/kg dry	*	64	16 - 139	2	45
2-Nitrophenol	<0.214		1.86	1.32		mg/kg dry	*	71	23 - 120	3	50
N-Nitrosodiphenylamine	<0.200		1.86	1.48		mg/kg dry	*	79	26 - 150	1	50
N-Nitrosodi-n-propylamine	<0.183		1.86	1.20		mg/kg dry	*	64	24 - 120	0.9	50
Pentachlorophenol	<0.183		1.86	1.42		mg/kg dry	*	76	19 - 145	4	50
Phenanthrene	<0.0372		1.86	1.21		mg/kg dry	*	65	21 - 122	2	50
Phenol	<0.183		1.86	1.32		mg/kg dry	*	71	15 - 120	0.008	50
Pyrene	<0.0372		1.86	1.23		mg/kg dry	*	66	20 - 123	2	50
1,2,4-Trichlorobenzene	<0.183		1.86	0.888		mg/kg dry	*	48	14 - 120	2	50
2,4,6-Trichlorophenol	<0.183		1.86	1.26		mg/kg dry	*	68	24 - 122	0.4	50
2,4,5-Trichlorophenol	<0.183		1.86	1.02		mg/kg dry	*	55	27 - 120	1	50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits
Terphenyl-d14	66		18 - 120
2,4,6-Tribromophenol	53		19 - 120
Phenol-d5	56		18 - 120
2-Fluorobiphenyl	48		14 - 120
2-Fluorophenol	52		17 - 120
Nitrobenzene-d5	52		17 - 120

## Method: SW846 6010C - Total Metals by EPA 6010C

**Lab Sample ID: 12C0017-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C0017**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0017\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<9.98		20.0	9.98	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C0017-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C0017**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C0017\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<4.99		9.98	4.99	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Arsenic	0.559	J	0.998	0.499	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Barium	<0.998		2.00	0.998	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Beryllium	<0.499		0.998	0.499	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Cadmium	<0.499		0.998	0.499	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Chromium	<0.499		0.998	0.499	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Cobalt	<1.50		2.99	1.50	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Copper	<0.998		2.00	0.998	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Lead	<0.499		0.998	0.499	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Magnesium	<49.9		99.8	49.9	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Manganese	<1.50		2.99	1.50	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Nickel	<0.998		2.00	0.998	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Potassium	<49.9		99.8	49.9	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Selenium	<0.998		2.00	0.998	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Silver	<0.499		0.998	0.499	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Sodium	<99.8		200	99.8	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Thallium	<0.998		2.00	0.998	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Vanadium	<4.99		9.98	4.99	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00
Zinc	<4.99		9.98	4.99	mg/kg wet		03/01/12 08:10	03/07/12 00:59	1.00

**Lab Sample ID: 12C0017-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C0017**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C0017\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<49.9		99.8	49.9	mg/kg wet		03/01/12 08:10	03/07/12 09:38	1.00
Iron	8.22	J	9.98	4.99	mg/kg wet		03/01/12 08:10	03/07/12 09:38	1.00

**Lab Sample ID: 12C0017-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C0017**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C0017\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	808	796		mg/kg wet		98	80 - 120
Antimony	40.4	44.0		mg/kg wet		109	80 - 120
Arsenic	20.2	20.1	B	mg/kg wet		99	80 - 120
Barium	808	827		mg/kg wet		102	80 - 120
Beryllium	20.2	20.7		mg/kg wet		102	80 - 120
Cadmium	20.2	20.7		mg/kg wet		102	80 - 120
Chromium	80.8	82.9		mg/kg wet		103	80 - 120
Cobalt	202	207		mg/kg wet		102	80 - 120
Copper	101	102		mg/kg wet		101	80 - 120
Iron	404	418	B	mg/kg wet		103	80 - 120
Lead	20.2	21.0		mg/kg wet		104	80 - 120
Magnesium	2020	2120		mg/kg wet		105	80 - 120
Manganese	202	211		mg/kg wet		104	80 - 120
Nickel	202	207		mg/kg wet		102	80 - 120
Potassium	2020	2020		mg/kg wet		100	80 - 120
Selenium	20.2	20.1		mg/kg wet		99	80 - 120
Silver	20.2	20.1		mg/kg wet		99	75 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C0017-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C0017**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C0017\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Sodium	2020	2010		mg/kg wet		100	80 - 120
Thallium	20.2	17.8		mg/kg wet		88	80 - 120
Vanadium	202	203		mg/kg wet		100	80 - 120
Zinc	202	198		mg/kg wet		98	80 - 120

**Lab Sample ID: 12C0017-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C0017**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C0017\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Calcium	2020	2050		mg/kg wet		102	80 - 120

**Lab Sample ID: 12C0017-MS1**  
**Matrix: Soil**  
**Analysis Batch: 12C0017**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12C0017\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	6090		871	8220	MHA	mg/kg dry	☼	245	75 - 125
Antimony	<5.57		43.6	44.7		mg/kg dry	☼	103	75 - 125
Arsenic	4.99		21.8	24.9	B	mg/kg dry	☼	92	75 - 125
Barium	47.2		871	827		mg/kg dry	☼	90	75 - 125
Beryllium	<0.557		21.8	20.6		mg/kg dry	☼	94	75 - 125
Cadmium	<0.557		21.8	19.3		mg/kg dry	☼	89	75 - 125
Chromium	5.60		87.1	85.4		mg/kg dry	☼	92	75 - 125
Cobalt	1.78		218	231		mg/kg dry	☼	105	75 - 125
Copper	<1.11		109	103		mg/kg dry	☼	94	75 - 125
Iron	6090		436	6580	B	mg/kg dry	☼	114	75 - 125
Lead	1.58		21.8	23.4		mg/kg dry	☼	100	75 - 125
Magnesium	14500		2180	16100	MHA	mg/kg dry	☼	70	75 - 125
Manganese	416		218	599		mg/kg dry	☼	84	75 - 125
Nickel	2.83		218	230		mg/kg dry	☼	104	75 - 125
Potassium	2780		2180	5490		mg/kg dry	☼	125	75 - 125
Selenium	<1.11		21.8	20.5		mg/kg dry	☼	94	75 - 125
Silver	<0.557		21.8	21.8		mg/kg dry	☼	100	75 - 125
Sodium	344		2180	2490		mg/kg dry	☼	99	75 - 125
Thallium	<1.11		21.8	17.1		mg/kg dry	☼	78	75 - 125
Vanadium	<5.57		218	205		mg/kg dry	☼	94	75 - 125
Zinc	20.8		218	226		mg/kg dry	☼	94	75 - 125

**Lab Sample ID: 12C0017-MS1**  
**Matrix: Soil**  
**Analysis Batch: 12C0017**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12C0017\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Calcium	362000		2180	251000	MHA	mg/kg dry	☼	-5090	75 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C0017-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C0017**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0017\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aluminum	6090		921	7440	MHA	mg/kg dry	☼	147	75 - 125	10	20	
Antimony	<5.57		46.0	48.0		mg/kg dry	☼	104	75 - 125	7	20	
Arsenic	4.99		23.0	26.9	B	mg/kg dry	☼	95	75 - 125	7	20	
Barium	47.2		921	884		mg/kg dry	☼	91	75 - 125	7	20	
Beryllium	<0.557		23.0	22.5		mg/kg dry	☼	98	75 - 125	9	20	
Cadmium	<0.557		23.0	20.5		mg/kg dry	☼	89	75 - 125	6	20	
Chromium	5.60		92.1	89.8		mg/kg dry	☼	91	75 - 125	5	20	
Cobalt	1.78		230	247		mg/kg dry	☼	107	75 - 125	7	20	
Copper	<1.11		115	110		mg/kg dry	☼	96	75 - 125	7	20	
Iron	6090		460	6550	B	mg/kg dry	☼	100	75 - 125	0.5	20	
Lead	1.58		23.0	24.1		mg/kg dry	☼	98	75 - 125	3	20	
Magnesium	14500		2300	16200	MHA	mg/kg dry	☼	71	75 - 125	0.8	20	
Manganese	416		230	599		mg/kg dry	☼	80	75 - 125	0.05	20	
Nickel	2.83		230	245		mg/kg dry	☼	105	75 - 125	7	20	
Potassium	2780		2300	5260		mg/kg dry	☼	108	75 - 125	4	20	
Selenium	<1.11		23.0	23.2		mg/kg dry	☼	101	75 - 125	12	20	
Silver	<0.557		23.0	23.4		mg/kg dry	☼	102	75 - 125	7	20	
Sodium	344		2300	2620		mg/kg dry	☼	99	75 - 125	5	20	
Thallium	<1.11		23.0	18.6		mg/kg dry	☼	81	75 - 125	8	20	
Vanadium	<5.57		230	220		mg/kg dry	☼	96	75 - 125	7	20	
Zinc	20.8		230	234		mg/kg dry	☼	92	75 - 125	3	20	

**Lab Sample ID: 12C0017-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C0017**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0017\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Calcium	362000		2300	252000	MHA	mg/kg dry	☼	-4800	75 - 125	0.2	20	

**Lab Sample ID: 12C0319-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0319**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0319\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Calcium	<0.500		1.00	0.500	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Iron	0.0351	J	0.0500	0.0250	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Magnesium	<0.500		1.00	0.500	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Potassium	<0.500		1.00	0.500	mg/L		03/06/12 09:33	03/07/12 18:27	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C0319-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C0319**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C0319\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Sodium	<0.500		1.00	0.500	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		03/06/12 09:33	03/07/12 18:27	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		03/06/12 09:33	03/07/12 18:27	1.00

**Lab Sample ID: 12C0319-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C0319**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C0319\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.86		mg/L		93	80 - 120
Antimony	0.100	0.0963		mg/L		96	80 - 120
Arsenic	0.0500	0.0470		mg/L		94	80 - 120
Barium	2.00	1.96		mg/L		98	80 - 120
Beryllium	0.0500	0.0474		mg/L		95	80 - 120
Cadmium	0.0500	0.0482		mg/L		96	80 - 120
Calcium	5.00	4.67		mg/L		93	80 - 120
Chromium	0.200	0.184		mg/L		92	80 - 120
Cobalt	0.500	0.461		mg/L		92	80 - 120
Copper	0.250	0.230		mg/L		92	80 - 120
Iron	1.00	0.961	B	mg/L		96	80 - 120
Lead	0.0500	0.0486		mg/L		97	80 - 120
Magnesium	5.00	4.88		mg/L		98	80 - 120
Manganese	0.500	0.483		mg/L		97	80 - 120
Nickel	0.500	0.467		mg/L		93	80 - 120
Potassium	5.00	4.60		mg/L		92	80 - 120
Selenium	0.0500	0.0484		mg/L		97	80 - 120
Silver	0.0500	0.0468		mg/L		94	80 - 120
Sodium	5.00	4.64		mg/L		93	80 - 120
Thallium	0.0500	0.0475		mg/L		95	80 - 120
Vanadium	0.500	0.469		mg/L		94	80 - 120
Zinc	0.500	0.456		mg/L		91	80 - 120

**Lab Sample ID: 12C0319-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C0319**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12C0319\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	<0.0500		2.00	1.96		mg/L		98	75 - 125
Antimony	<0.00500		0.100	0.0998		mg/L		100	75 - 125
Arsenic	<0.00500		0.0500	0.0546		mg/L		109	75 - 125
Barium	0.0764		2.00	2.10		mg/L		101	75 - 125
Beryllium	<0.00200		0.0500	0.0500		mg/L		100	75 - 125
Cadmium	<0.000600		0.0500	0.0497		mg/L		99	75 - 125
Calcium	98.3		5.00	102		mg/L		78	75 - 125
Chromium	<0.00250		0.200	0.193		mg/L		96	75 - 125
Cobalt	<0.0100		0.500	0.485		mg/L		97	75 - 125
Copper	0.00540		0.250	0.250		mg/L		98	75 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C0319-MS1**

**Matrix: Water**

**Analysis Batch: 12C0319**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0319\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Iron	0.811		1.00	2.57	M7 B	mg/L		176	75 - 125	
Lead	<0.00250		0.0500	0.0524		mg/L		105	75 - 125	
Magnesium	20.0		5.00	24.8		mg/L		96	75 - 125	
Manganese	0.241		0.500	0.744		mg/L		101	75 - 125	
Nickel	<0.00500		0.500	0.489		mg/L		98	75 - 125	
Potassium	0.974		5.00	5.89		mg/L		98	75 - 125	
Selenium	<0.00500		0.0500	0.0509		mg/L		102	75 - 125	
Silver	<0.00250		0.0500	0.0491		mg/L		98	75 - 125	
Sodium	8.95		5.00	13.7		mg/L		95	75 - 125	
Thallium	<0.00500		0.0500	0.0503		mg/L		101	75 - 125	
Vanadium	<0.0100		0.500	0.494		mg/L		99	75 - 125	
Zinc	<0.0250		0.500	0.499		mg/L		100	75 - 125	

**Lab Sample ID: 12C0319-MSD1**

**Matrix: Water**

**Analysis Batch: 12C0319**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0319\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aluminum	<0.0500		2.00	1.88		mg/L		94	75 - 125	4	20	
Antimony	<0.00500		0.100	0.0937		mg/L		94	75 - 125	6	20	
Arsenic	<0.00500		0.0500	0.0512		mg/L		102	75 - 125	6	20	
Barium	0.0764		2.00	2.02		mg/L		97	75 - 125	4	20	
Beryllium	<0.00200		0.0500	0.0476		mg/L		95	75 - 125	5	20	
Cadmium	<0.000600		0.0500	0.0473		mg/L		95	75 - 125	5	20	
Calcium	98.3		5.00	103		mg/L		90	75 - 125	0.6	20	
Chromium	<0.00250		0.200	0.181		mg/L		90	75 - 125	7	20	
Cobalt	<0.0100		0.500	0.465		mg/L		93	75 - 125	4	20	
Copper	0.00540		0.250	0.238		mg/L		93	75 - 125	5	20	
Iron	0.811		1.00	1.77	R2 B	mg/L		96	75 - 125	37	20	
Lead	<0.00250		0.0500	0.0509		mg/L		102	75 - 125	3	20	
Magnesium	20.0		5.00	24.8		mg/L		96	75 - 125	0.1	20	
Manganese	0.241		0.500	0.715		mg/L		95	75 - 125	4	20	
Nickel	<0.00500		0.500	0.469		mg/L		94	75 - 125	4	20	
Potassium	0.974		5.00	5.69		mg/L		94	75 - 125	3	20	
Selenium	<0.00500		0.0500	0.0499		mg/L		100	75 - 125	2	20	
Silver	<0.00250		0.0500	0.0468		mg/L		94	75 - 125	5	20	
Sodium	8.95		5.00	13.7		mg/L		94	75 - 125	0.4	20	
Thallium	<0.00500		0.0500	0.0480		mg/L		96	75 - 125	5	20	
Vanadium	<0.0100		0.500	0.471		mg/L		94	75 - 125	5	20	
Zinc	<0.0250		0.500	0.476		mg/L		95	75 - 125	5	20	

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 12C0314-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0314**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 12C0314\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 15:42	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12C0314-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0314**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 12C0314\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00500		0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Calcium	<0.500		1.00	0.500	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Magnesium	<0.500		1.00	0.500	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Potassium	<0.500		1.00	0.500	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Sodium	0.501	J	1.00	0.500	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		03/08/12 07:24	03/09/12 15:42	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		03/08/12 07:24	03/09/12 15:42	1.00

**Lab Sample ID: 12C0314-BS1**

**Matrix: Water**

**Analysis Batch: 12C0314**

**Client Sample ID: Lab Control Sample**

**Prep Type: Dissolved**

**Prep Batch: 12C0314\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	2.00	1.90		mg/L		95	80 - 120
Antimony	0.100	0.0973		mg/L		97	80 - 120
Arsenic	0.0500	0.0459		mg/L		92	80 - 120
Barium	2.00	2.00		mg/L		100	80 - 120
Beryllium	0.0500	0.0477		mg/L		95	80 - 120
Cadmium	0.0500	0.0472		mg/L		94	80 - 120
Calcium	5.00	4.55		mg/L		91	80 - 120
Chromium	0.200	0.188		mg/L		94	80 - 120
Cobalt	0.500	0.474		mg/L		95	80 - 120
Copper	0.250	0.227		mg/L		91	80 - 120
Iron	1.00	0.948		mg/L		95	80 - 120
Lead	0.0500	0.0493		mg/L		99	80 - 120
Magnesium	5.00	4.95		mg/L		99	80 - 120
Manganese	0.500	0.481		mg/L		96	80 - 120
Nickel	0.500	0.480		mg/L		96	80 - 120
Potassium	5.00	4.84		mg/L		97	80 - 120
Selenium	0.0500	0.0469		mg/L		94	80 - 120
Silver	0.0500	0.0467		mg/L		93	80 - 120
Sodium	5.00	4.76	B	mg/L		95	80 - 120
Thallium	0.0500	0.0488		mg/L		98	80 - 120
Vanadium	0.500	0.479		mg/L		96	80 - 120
Zinc	0.500	0.463		mg/L		93	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12C0314-MS1**

**Matrix: Water**

**Analysis Batch: 12C0314**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 12C0314\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result		Added	Result	Qualifier				
Aluminum	<0.0500		2.00	1.92		mg/L		96	75 - 125
Antimony	<0.00500		0.100	0.0988		mg/L		99	75 - 125
Arsenic	0.0339		0.0500	0.0855		mg/L		103	75 - 125
Barium	0.0919		2.00	2.12		mg/L		101	75 - 125
Beryllium	<0.00200		0.0500	0.0492		mg/L		98	75 - 125
Cadmium	<0.000600		0.0500	0.0485		mg/L		97	75 - 125
Calcium	57.5		5.00	63.3	MHA	mg/L		115	75 - 125
Chromium	<0.00250		0.200	0.190		mg/L		95	75 - 125
Cobalt	<0.0100		0.500	0.501		mg/L		100	75 - 125
Copper	<0.00500		0.250	0.236		mg/L		95	75 - 125
Iron	1.71		1.00	2.71		mg/L		100	75 - 125
Lead	0.00290		0.0500	0.0530		mg/L		100	75 - 125
Magnesium	32.1		5.00	37.5		mg/L		107	75 - 125
Manganese	1.57		0.500	2.08		mg/L		102	75 - 125
Nickel	<0.00500		0.500	0.506		mg/L		101	75 - 125
Potassium	22.4		5.00	27.7		mg/L		105	75 - 125
Selenium	<0.00500		0.0500	0.0535		mg/L		107	75 - 125
Silver	<0.00250		0.0500	0.0489		mg/L		98	75 - 125
Sodium	118		5.00	122	MHA B	mg/L		74	75 - 125
Thallium	<0.00500		0.0500	0.0483		mg/L		97	75 - 125
Vanadium	<0.0100		0.500	0.494		mg/L		99	75 - 125
Zinc	<0.0250		0.500	0.505		mg/L		101	75 - 125

**Lab Sample ID: 12C0314-MSD1**

**Matrix: Water**

**Analysis Batch: 12C0314**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 12C0314\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	Limits	RPD	Limit
	Result		Added	Result	Qualifier						
Aluminum	<0.0500		2.00	1.87		mg/L		94	75 - 125	2	20
Antimony	<0.00500		0.100	0.0972		mg/L		97	75 - 125	2	20
Arsenic	0.0339		0.0500	0.0829		mg/L		98	75 - 125	3	20
Barium	0.0919		2.00	2.04		mg/L		97	75 - 125	4	20
Beryllium	<0.00200		0.0500	0.0473		mg/L		95	75 - 125	4	20
Cadmium	<0.000600		0.0500	0.0462		mg/L		92	75 - 125	5	20
Calcium	57.5		5.00	61.2	MHA	mg/L		73	75 - 125	3	20
Chromium	<0.00250		0.200	0.182		mg/L		91	75 - 125	4	20
Cobalt	<0.0100		0.500	0.481		mg/L		96	75 - 125	4	20
Copper	<0.00500		0.250	0.228		mg/L		91	75 - 125	4	20
Iron	1.71		1.00	2.62		mg/L		91	75 - 125	3	20
Lead	0.00290		0.0500	0.0522		mg/L		99	75 - 125	2	20
Magnesium	32.1		5.00	36.0		mg/L		78	75 - 125	4	20
Manganese	1.57		0.500	1.99		mg/L		84	75 - 125	4	20
Nickel	<0.00500		0.500	0.487		mg/L		97	75 - 125	4	20
Potassium	22.4		5.00	26.7		mg/L		84	75 - 125	4	20
Selenium	<0.00500		0.0500	0.0478		mg/L		96	75 - 125	11	20
Silver	<0.00250		0.0500	0.0470		mg/L		94	75 - 125	4	20
Sodium	118		5.00	118	MHA B	mg/L		-8	75 - 125	3	20
Thallium	<0.00500		0.0500	0.0491		mg/L		98	75 - 125	2	20
Vanadium	<0.0100		0.500	0.474		mg/L		95	75 - 125	4	20
Zinc	<0.0250		0.500	0.484		mg/L		97	75 - 125	4	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12C0275-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C0275**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C0275\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/05/12 12:40	03/07/12 09:36	1.00

**Lab Sample ID: 12C0275-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C0275**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C0275\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.00103		mg/L		103	80 - 120

**Lab Sample ID: 12C0275-BSD1**  
**Matrix: Water**  
**Analysis Batch: 12C0275**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 12C0275\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.00103		mg/L		103	80 - 120	0.7	20

**Lab Sample ID: 12C0275-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C0275**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12C0275\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.000100		0.00100	0.00107		mg/L		107	75 - 125

**Lab Sample ID: 12C0275-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12C0275**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 12C0275\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.000100		0.00100	0.00101		mg/L		101	75 - 125	6	20

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12C0764-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C0764**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0764\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/07/12 12:20	03/07/12 15:04	1.00

**Lab Sample ID: 12C0764-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C0764**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0764\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.00108		mg/L		108	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 12C0764-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C0764**

**Client Sample ID: Tract 1 TW-1 (54-60)**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0764\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.000991		mg/L		99	75 - 125

**Lab Sample ID: 12C0764-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12C0764**

**Client Sample ID: Tract 1 TW-1 (54-60)**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0764\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.000972		mg/L		97	75 - 125	2	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 12B6969-BLK1**  
**Matrix: Soil**  
**Analysis Batch: V003745**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12B6969\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.049		0.099	0.049	mg/kg wet		03/02/12 09:40	03/02/12 11:27	1.0

**Lab Sample ID: 12B6969-BS1**  
**Matrix: Soil**  
**Analysis Batch: V003745**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12B6969\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.163	0.18		mg/kg wet		109	80 - 120

**Lab Sample ID: 12B6969-MS1**  
**Matrix: Soil**  
**Analysis Batch: V003745**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12B6969\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.057		0.182	0.20		mg/kg dry	☼	110	80 - 120

**Lab Sample ID: 12B6969-MSD1**  
**Matrix: Soil**  
**Analysis Batch: V003745**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 12B6969\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.057		0.187	0.21		mg/kg dry	☼	110	80 - 120	3	20

## Method: SW-846 - General Chemistry Parameters

**Lab Sample ID: 12C0042-DUP1**  
**Matrix: Soil**  
**Analysis Batch: 12C0042**

**Client Sample ID: Duplicate**  
**Prep Type: Total**  
**Prep Batch: 12C0042\_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	Limit
% Dry Solids	77.8		77.8		%		0.08	20

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## GCMS Volatiles

### Analysis Batch: V003618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B6380-BLK1	Method Blank	Total	Water	SW846 8260B	12B6380_P
12B6380-BS1	Lab Control Sample	Total	Water	SW846 8260B	12B6380_P
12B6380-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	12B6380_P
12B6380-MS1	Matrix Spike	Total	Water	SW846 8260B	12B6380_P
12B6380-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	12B6380_P
NWB3949-08	Trip Blank 2	Total	Water	SW846 8260B	12B6380_P

### Analysis Batch: V003684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0745-BLK1	Method Blank	Total	Water	SW846 8260B	12C0745_P
12C0745-BS1	Lab Control Sample	Total	Water	SW846 8260B	12C0745_P
12C0745-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	12C0745_P
12C0745-MS1	Matrix Spike	Total	Water	SW846 8260B	12C0745_P
12C0745-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	12C0745_P
NWB3949-03	Tract 1 TW-1 (54-60)	Total	Ground Water	SW846 8260B	12C0745_P
NWB3949-06	Tract 1 TW-2 (26-30)	Total	Ground Water	SW846 8260B	12C0745_P

### Analysis Batch: V003754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B6900-BLK1	Method Blank	Total	Soil	SW846 8260B	12B6900_P
12B6900-BLK2	Method Blank	Total	Soil	SW846 8260B	12B6900_P
12B6900-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12B6900_P
12B6900-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	12B6900_P
12B6900-MS1	Matrix Spike	Total	Soil	SW846 8260B	12B6900_P
12B6900-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	12B6900_P
NWB3949-01	Tract 1 SB-1 (0-2)	Total	Soil	SW846 8260B	12B6900_P
NWB3949-02	Tract 1 SB-1 (36-40)	Total	Soil	SW846 8260B	12B6900_P
NWB3949-04	Tract 1 SB-2 (0-2)	Total	Soil	SW846 8260B	12B6900_P
NWB3949-05	Tract 1 SB-2 (50-54)	Total	Soil	SW846 8260B	12B6900_P

### Analysis Batch: V003931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0272-BLK1	Method Blank	Total	Water	SW846 8260B	12C0272_P
12C0272-BS1	Lab Control Sample	Total	Water	SW846 8260B	12C0272_P
12C0272-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	12C0272_P
NWB3949-07	Trip Blank	Total	Water	SW846 8260B	12C0272_P

### Prep Batch: 12B6380\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B6380-BLK1	Method Blank	Total	Water	EPA 5030B	
12B6380-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12B6380-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
12B6380-MS1	Matrix Spike	Total	Water	EPA 5030B	
12B6380-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NWB3949-08	Trip Blank 2	Total	Water	EPA 5030B	

### Prep Batch: 12B6900\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B6900-BLK1	Method Blank	Total	Soil	EPA 5035	
12B6900-BLK2	Method Blank	Total	Soil	EPA 5035	
12B6900-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12B6900-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## GCMS Volatiles (Continued)

### Prep Batch: 12B6900\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B6900-MS1	Matrix Spike	Total	Soil	EPA 5035	
12B6900-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NWB3949-01	Tract 1 SB-1 (0-2)	Total	Soil	EPA 5035	
NWB3949-02	Tract 1 SB-1 (36-40)	Total	Soil	EPA 5035	
NWB3949-04	Tract 1 SB-2 (0-2)	Total	Soil	EPA 5035	
NWB3949-05	Tract 1 SB-2 (50-54)	Total	Soil	EPA 5035	

### Prep Batch: 12C0272\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0272-BLK1	Method Blank	Total	Water	EPA 5030B	
12C0272-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12C0272-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
NWB3949-07	Trip Blank	Total	Water	EPA 5030B	

### Prep Batch: 12C0745\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0745-BLK1	Method Blank	Total	Water	EPA 5030B	
12C0745-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12C0745-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
12C0745-MS1	Matrix Spike	Total	Water	EPA 5030B	
12C0745-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NWB3949-03	Tract 1 TW-1 (54-60)	Total	Ground Water	EPA 5030B	
NWB3949-06	Tract 1 TW-2 (26-30)	Total	Ground Water	EPA 5030B	

## GCMS Semivolatiles

### Analysis Batch: 12C0050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0050-BLK1	Method Blank	Total	Water	SW846 8270D	12C0050_P
12C0050-BS1	Lab Control Sample	Total	Water	SW846 8270D	12C0050_P
12C0050-BSD1	Lab Control Sample Dup	Total	Water	SW846 8270D	12C0050_P
NWB3949-03	Tract 1 TW-1 (54-60)	Total	Ground Water	SW846 8270D	12C0050_P
NWB3949-06	Tract 1 TW-2 (26-30)	Total	Ground Water	SW846 8270D	12C0050_P

### Analysis Batch: 12C0069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0069-BLK1	Method Blank	Total	Soil	SW846 8270D	12C0069_P
12C0069-BS1	Lab Control Sample	Total	Soil	SW846 8270D	12C0069_P
12C0069-MS1	Tract 1 SB-1 (0-2)	Total	Soil	SW846 8270D	12C0069_P
12C0069-MSD1	Tract 1 SB-1 (0-2)	Total	Soil	SW846 8270D	12C0069_P
NWB3949-01	Tract 1 SB-1 (0-2)	Total	Soil	SW846 8270D	12C0069_P
NWB3949-02	Tract 1 SB-1 (36-40)	Total	Soil	SW846 8270D	12C0069_P
NWB3949-04	Tract 1 SB-2 (0-2)	Total	Soil	SW846 8270D	12C0069_P
NWB3949-05	Tract 1 SB-2 (50-54)	Total	Soil	SW846 8270D	12C0069_P

### Prep Batch: 12C0050\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0050-BLK1	Method Blank	Total	Water	EPA 3510C	
12C0050-BS1	Lab Control Sample	Total	Water	EPA 3510C	
12C0050-BSD1	Lab Control Sample Dup	Total	Water	EPA 3510C	
NWB3949-03	Tract 1 TW-1 (54-60)	Total	Ground Water	EPA 3510C	
NWB3949-06	Tract 1 TW-2 (26-30)	Total	Ground Water	EPA 3510C	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## GCMS Semivolatiles (Continued)

### Prep Batch: 12C0069\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0069-BLK1	Method Blank	Total	Soil	EPA 3550C	
12C0069-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12C0069-MS1	Tract 1 SB-1 (0-2)	Total	Soil	EPA 3550C	
12C0069-MSD1	Tract 1 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWB3949-01	Tract 1 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWB3949-02	Tract 1 SB-1 (36-40)	Total	Soil	EPA 3550C	
NWB3949-04	Tract 1 SB-2 (0-2)	Total	Soil	EPA 3550C	
NWB3949-05	Tract 1 SB-2 (50-54)	Total	Soil	EPA 3550C	

## Metals

### Analysis Batch: 12B6969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWB3949-01	Tract 1 SB-1 (0-2)	Total	Soil	SW846 7471B	12B6969_P
NWB3949-02	Tract 1 SB-1 (36-40)	Total	Soil	SW846 7471B	12B6969_P
NWB3949-04	Tract 1 SB-2 (0-2)	Total	Soil	SW846 7471B	12B6969_P
NWB3949-05	Tract 1 SB-2 (50-54)	Total	Soil	SW846 7471B	12B6969_P

### Analysis Batch: 12C0017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0017-BLK1	Method Blank	Total	Soil	SW846 6010C	12C0017_P
12C0017-BS1	Lab Control Sample	Total	Soil	SW846 6010C	12C0017_P
12C0017-MS1	Matrix Spike	Total	Soil	SW846 6010C	12C0017_P
12C0017-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 6010C	12C0017_P
NWB3949-01	Tract 1 SB-1 (0-2)	Total	Soil	SW846 6010C	12C0017_P
NWB3949-02	Tract 1 SB-1 (36-40)	Total	Soil	SW846 6010C	12C0017_P
NWB3949-04	Tract 1 SB-2 (0-2)	Total	Soil	SW846 6010C	12C0017_P
NWB3949-05	Tract 1 SB-2 (50-54)	Total	Soil	SW846 6010C	12C0017_P

### Analysis Batch: 12C0275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0275-BLK1	Method Blank	Total	Water	SW846 7470A	12C0275_P
12C0275-BS1	Lab Control Sample	Total	Water	SW846 7470A	12C0275_P
12C0275-BSD1	Lab Control Sample Dup	Total	Water	SW846 7470A	12C0275_P
12C0275-MS1	Matrix Spike	Total	Water	SW846 7470A	12C0275_P
12C0275-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	12C0275_P
NWB3949-03	Tract 1 TW-1 (54-60)	Total	Ground Water	SW846 7470A	12C0275_P
NWB3949-06	Tract 1 TW-2 (26-30)	Total	Ground Water	SW846 7470A	12C0275_P

### Analysis Batch: 12C0314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0314-BLK1	Method Blank	Dissolved	Water	SW846 6010C	12C0314_P
12C0314-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	12C0314_P
12C0314-MS1	Matrix Spike	Dissolved	Water	SW846 6010C	12C0314_P
12C0314-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 6010C	12C0314_P
NWB3949-03	Tract 1 TW-1 (54-60)	Dissolved	Ground Water	SW846 6010C	12C0314_P
NWB3949-06	Tract 1 TW-2 (26-30)	Dissolved	Ground Water	SW846 6010C	12C0314_P

### Analysis Batch: 12C0319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0319-BLK1	Method Blank	Total	Water	SW846 6010C	12C0319_P
12C0319-BS1	Lab Control Sample	Total	Water	SW846 6010C	12C0319_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Metals (Continued)

### Analysis Batch: 12C0319 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0319-MS1	Matrix Spike	Total	Water	SW846 6010C	12C0319_P
12C0319-MSD1	Matrix Spike Duplicate	Total	Water	SW846 6010C	12C0319_P
NWB3949-03	Tract 1 TW-1 (54-60)	Total	Ground Water	SW846 6010C	12C0319_P
NWB3949-06	Tract 1 TW-2 (26-30)	Total	Ground Water	SW846 6010C	12C0319_P

### Analysis Batch: 12C0764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0764-BLK1	Method Blank	Dissolved	Water	SW846 7470A	12C0764_P
12C0764-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	12C0764_P
12C0764-MS1	Tract 1 TW-1 (54-60)	Dissolved	Water	SW846 7470A	12C0764_P
12C0764-MSD1	Tract 1 TW-1 (54-60)	Dissolved	Water	SW846 7470A	12C0764_P
NWB3949-03	Tract 1 TW-1 (54-60)	Dissolved	Ground Water	SW846 7470A	12C0764_P
NWB3949-06	Tract 1 TW-2 (26-30)	Dissolved	Ground Water	SW846 7470A	12C0764_P

### Analysis Batch: V003745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B6969-BLK1	Method Blank	Total	Soil	SW846 7471B	12B6969_P
12B6969-BS1	Lab Control Sample	Total	Soil	SW846 7471B	12B6969_P
12B6969-MS1	Matrix Spike	Total	Soil	SW846 7471B	12B6969_P
12B6969-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	12B6969_P

### Prep Batch: 12B6969\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B6969-BLK1	Method Blank	Total	Soil	EPA 7471	
12B6969-BS1	Lab Control Sample	Total	Soil	EPA 7471	
12B6969-MS1	Matrix Spike	Total	Soil	EPA 7471	
12B6969-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NWB3949-01	Tract 1 SB-1 (0-2)	Total	Soil	EPA 7471	
NWB3949-02	Tract 1 SB-1 (36-40)	Total	Soil	EPA 7471	
NWB3949-04	Tract 1 SB-2 (0-2)	Total	Soil	EPA 7471	
NWB3949-05	Tract 1 SB-2 (50-54)	Total	Soil	EPA 7471	

### Prep Batch: 12C0017\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0017-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
12C0017-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
12C0017-MS1	Matrix Spike	Total	Soil	EPA 3051A/6010	
12C0017-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3051A/6010	
NWB3949-01	Tract 1 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NWB3949-02	Tract 1 SB-1 (36-40)	Total	Soil	EPA 3051A/6010	
NWB3949-04	Tract 1 SB-2 (0-2)	Total	Soil	EPA 3051A/6010	
NWB3949-05	Tract 1 SB-2 (50-54)	Total	Soil	EPA 3051A/6010	

### Prep Batch: 12C0275\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0275-BLK1	Method Blank	Total	Water	EPA 7470	



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Metals (Continued)

### Prep Batch: 12C0275\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0275-BS1	Lab Control Sample	Total	Water	EPA 7470	
12C0275-BSD1	Lab Control Sample Dup	Total	Water	EPA 7470	
12C0275-MS1	Matrix Spike	Total	Water	EPA 7470	
12C0275-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NWB3949-03	Tract 1 TW-1 (54-60)	Total	Ground Water	EPA 7470	
NWB3949-06	Tract 1 TW-2 (26-30)	Total	Ground Water	EPA 7470	

### Prep Batch: 12C0314\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0314-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C0314-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C0314-MS1	Matrix Spike	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C0314-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NWB3949-03	Tract 1 TW-1 (54-60)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NWB3949-06	Tract 1 TW-2 (26-30)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

### Prep Batch: 12C0319\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0319-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
12C0319-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
12C0319-MS1	Matrix Spike	Total	Water	EPA 3010A / 6010	
12C0319-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3010A / 6010	
NWB3949-03	Tract 1 TW-1 (54-60)	Total	Ground Water	EPA 3010A / 6010	
NWB3949-06	Tract 1 TW-2 (26-30)	Total	Ground Water	EPA 3010A / 6010	

### Prep Batch: 12C0764\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0764-BLK1	Method Blank	Dissolved	Water	EPA 7470	
12C0764-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
12C0764-MS1	Tract 1 TW-1 (54-60)	Dissolved	Water	EPA 7470	
12C0764-MSD1	Tract 1 TW-1 (54-60)	Dissolved	Water	EPA 7470	
NWB3949-03	Tract 1 TW-1 (54-60)	Dissolved	Ground Water	EPA 7470	
NWB3949-06	Tract 1 TW-2 (26-30)	Dissolved	Ground Water	EPA 7470	

## Extractions

### Analysis Batch: 12C0042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0042-DUP1	Duplicate	Total	Soil	SW-846	12C0042_P
NWB3949-01	Tract 1 SB-1 (0-2)	Total	Soil	SW-846	12C0042_P
NWB3949-02	Tract 1 SB-1 (36-40)	Total	Soil	SW-846	12C0042_P
NWB3949-04	Tract 1 SB-2 (0-2)	Total	Soil	SW-846	12C0042_P
NWB3949-05	Tract 1 SB-2 (50-54)	Total	Soil	SW-846	12C0042_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Extractions (Continued)

### Prep Batch: 12C0042\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0042-DUP1	Duplicate	Total	Soil	% Solids	
NWB3949-01	Tract 1 SB-1 (0-2)	Total	Soil	% Solids	
NWB3949-02	Tract 1 SB-1 (36-40)	Total	Soil	% Solids	
NWB3949-04	Tract 1 SB-2 (0-2)	Total	Soil	% Solids	
NWB3949-05	Tract 1 SB-2 (50-54)	Total	Soil	% Solids	



# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Client Sample ID: Tract 1 SB-1 (0-2)

Lab Sample ID: NWB3949-01

Date Collected: 02/28/12 11:15

Matrix: Soil

Date Received: 02/29/12 08:20

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.839	12B6900_P	02/28/12 11:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003754	03/02/12 00:39	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.971	12C0069_P	03/02/12 07:08	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0069	03/02/12 20:50	BES	TAL NSH
Total	Prep	EPA 3051A/6010		0.975	12C0017_P	03/01/12 08:10	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0017	03/07/12 01:21	LTB	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0017	03/07/12 10:08	LTB	TAL NSH
Total	Prep	EPA 7471		0.98	12B6969_P	03/02/12 09:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12B6969	03/02/12 11:54	MB	TAL NSH
Total	Prep	% Solids		1.00	12C0042_P	03/01/12 10:20	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0042	03/02/12 09:39	RRS	TAL NSH

## Client Sample ID: Tract 1 SB-1 (36-40)

Lab Sample ID: NWB3949-02

Date Collected: 02/28/12 11:30

Matrix: Soil

Date Received: 02/29/12 08:20

Percent Solids: 48.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.07	12B6900_P	02/28/12 11:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003754	03/02/12 01:07	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.983	12C0069_P	03/02/12 07:08	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0069	03/02/12 21:11	BES	TAL NSH
Total	Prep	EPA 3051A/6010		0.988	12C0017_P	03/01/12 08:10	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0017	03/07/12 01:25	LTB	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0017	03/07/12 10:11	LTB	TAL NSH
Total	Prep	EPA 7471		0.98	12B6969_P	03/02/12 09:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12B6969	03/02/12 11:56	MB	TAL NSH
Total	Prep	% Solids		1.00	12C0042_P	03/01/12 10:20	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0042	03/02/12 09:39	RRS	TAL NSH

## Client Sample ID: Tract 1 TW-1 (54-60)

Lab Sample ID: NWB3949-03

Date Collected: 02/28/12 11:45

Matrix: Ground Water

Date Received: 02/29/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C0745_P	03/01/12 06:56	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003684	03/01/12 10:13	CMM	TAL NSH
Total	Prep	EPA 3510C		0.952	12C0050_P	03/01/12 11:20	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0050	03/03/12 04:38	JLS	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	12C0314_P	03/08/12 07:24	CXU	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	12C0314	03/09/12 16:51	DEB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	12C0319_P	03/06/12 09:33	CXU	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0319	03/07/12 18:53	DEB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	12C0764_P	03/07/12 12:20	MB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12C0764	03/07/12 15:08	MB	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

## Client Sample ID: Tract 1 TW-1 (54-60)

## Lab Sample ID: NWB3949-03

Date Collected: 02/28/12 11:45

Matrix: Ground Water

Date Received: 02/29/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 7470		1.00	12C0275_P	03/05/12 12:40	ALJ	TAL NSH
Total	Analysis	SW846 7470A		1.00	12C0275	03/07/12 09:54	MB	TAL NSH

## Client Sample ID: Tract 1 SB-2 (0-2)

## Lab Sample ID: NWB3949-04

Date Collected: 02/28/12 15:30

Matrix: Soil

Date Received: 02/29/12 08:20

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.850	12B6900_P	02/28/12 15:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003754	03/02/12 01:35	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.975	12C0069_P	03/02/12 07:08	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0069	03/02/12 21:32	BES	TAL NSH
Total	Prep	EPA 3051A/6010		0.967	12C0017_P	03/01/12 08:10	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0017	03/07/12 01:38	LTB	TAL NSH
Total	Prep	EPA 7471		0.96	12B6969_P	03/02/12 09:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12B6969	03/02/12 11:58	MB	TAL NSH
Total	Prep	% Solids		1.00	12C0042_P	03/01/12 10:20	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0042	03/02/12 09:39	RRS	TAL NSH

## Client Sample ID: Tract 1 SB-2 (50-54)

## Lab Sample ID: NWB3949-05

Date Collected: 02/28/12 15:45

Matrix: Soil

Date Received: 02/29/12 08:20

Percent Solids: 54.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.02	12B6900_P	02/28/12 15:45	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003754	03/02/12 02:03	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.988	12C0069_P	03/02/12 07:08	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0069	03/02/12 21:53	BES	TAL NSH
Total	Prep	EPA 3051A/6010		0.984	12C0017_P	03/01/12 08:10	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0017	03/07/12 01:41	LTB	TAL NSH
Total	Prep	EPA 7471		0.99	12B6969_P	03/02/12 09:40	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12B6969	03/02/12 12:00	MB	TAL NSH
Total	Prep	% Solids		1.00	12C0042_P	03/01/12 10:20	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0042	03/02/12 09:39	RRS	TAL NSH

## Client Sample ID: Tract 1 TW-2 (26-30)

## Lab Sample ID: NWB3949-06

Date Collected: 02/28/12 15:55

Matrix: Ground Water

Date Received: 02/29/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C0745_P	03/01/12 06:56	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003684	03/01/12 10:41	CMM	TAL NSH
Total	Prep	EPA 3510C		1.00	12C0050_P	03/01/12 11:20	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0050	03/03/12 05:01	JLS	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

**Client Sample ID: Tract 1 TW-2 (26-30)**

**Lab Sample ID: NWB3949-06**

Date Collected: 02/28/12 15:55

Matrix: Ground Water

Date Received: 02/29/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	12C0314_P	03/08/12 07:24	CXU	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	12C0314	03/09/12 16:54	DEB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	12C0319_P	03/06/12 09:33	CXU	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0319	03/07/12 18:56	DEB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	12C0764_P	03/07/12 12:20	MB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12C0764	03/07/12 15:15	MB	TAL NSH
Total	Prep	EPA 7470		1.00	12C0275_P	03/05/12 12:40	ALJ	TAL NSH
Total	Analysis	SW846 7470A		1.00	12C0275	03/07/12 09:56	MB	TAL NSH

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWB3949-07**

Date Collected: 02/28/12 00:01

Matrix: Water

Date Received: 02/29/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C0272_P	03/07/12 14:54	AJF	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003931	03/07/12 18:35	CMM	TAL NSH

**Client Sample ID: Trip Blank 2**

**Lab Sample ID: NWB3949-08**

Date Collected: 02/28/12 00:01

Matrix: Water

Date Received: 02/29/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12B6380_P	02/29/12 18:44	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003618	02/29/12 22:02	CMM	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Certification Summary

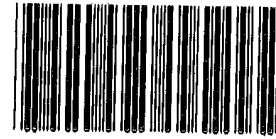
Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWB3949

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

COOLER RECEIPT



NWB3949

Cooler Received/Opened On 2/29/2012 @ 0820

1. Tracking # 0629 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 29 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: Two front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other (None)

9. Cooling process: (Ice) Ice-pack (Ice direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) F

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) F

17. Were custody papers properly filled out (Ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) F

I certify that I attached a label with the unique LIMS number to each container (initial) F

21. Were there Non-Conformance issues at login? YES...(NO) Was a PIPE generated? YES...(NO)..#



## COOLER RECEIPT FORM

NWB3949

03/14/12 23:59

Cooler Received/Opened On 2/29/2012@ 8:20

1. Tracking # 0673 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID 18290455

2. Temperature of rep. sample or temp blank when opened: 2.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) JH

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 7

I certify that I unloaded the cooler and answered questions 7-14 (initial) J

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) J

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) J

I certify that I attached a label with the unique LIMS number to each container (initial) J

21. Were there Non-Conformance issues at login? YES..NO Was a PIPE generated? YES..NO..#



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NWC0375  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
3/23/2012 2:31:45 PM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWC0375-01	Tract 37 SB-1 (0-2)	Soil	02/29/12 16:00	03/02/12 08:20
NWC0375-02	Tract 37 SB-1 (22-26)	Soil	02/29/12 16:15	03/02/12 08:20
NWC0375-03	Tract 37 TW-1 (20-24)	Ground Water	02/29/12 16:30	03/02/12 08:20
NWC0375-04	Tract 37 SB-2 (0-2)	Soil	02/29/12 11:00	03/02/12 08:20
NWC0375-05	Tract 37 SB-2 (8-12)	Soil	02/29/12 11:15	03/02/12 08:20
NWC0375-06	Tract 37 TW-2 (10-14)	Ground Water	02/29/12 11:30	03/02/12 08:20
NWC0375-07	Tract 37 SS-1	Soil	02/29/12 10:50	03/02/12 08:20
NWC0375-08	Tract 37 SW-1	Ground Water	02/29/12 11:10	03/02/12 08:20
NWC0375-09	Trip Blank	Water	02/29/12 00:01	03/02/12 08:20
NWC0375-10	Trip Blank 2	Water	02/29/12 00:01	03/02/12 08:20
NWC0375-11	Trip Blank 3	Water	02/29/12 00:01	03/02/12 08:20

# Case Narrative

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

---

**Job ID: NWC0375**

---

**Laboratory: TestAmerica Nashville**

**Narrative**

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Final Report: To include subcontracted Dioxin data. This report replaces the one generated on 03/16/12 @ 1745.

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# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
L2	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
R2	The RPD exceeded the acceptance limit.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

### GCMS Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
B1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
B	Analyte was detected in the associated Method Blank.
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
P7	Sample filtered in lab.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SB-1 (0-2)**

**Lab Sample ID: NWC0375-01**

**Date Collected: 02/29/12 16:00**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 74.9**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0296	J	0.0569	0.0285	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Benzene	<0.00125		0.00228	0.00125	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Bromochloromethane	<0.00137		0.00228	0.00137	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Bromodichloromethane	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Bromoform	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Bromomethane	<0.00137		0.00228	0.00137	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
2-Butanone	<0.0285		0.0569	0.0285	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Carbon disulfide	<0.00410		0.00569	0.00410	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Carbon Tetrachloride	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Chlorobenzene	<0.00125		0.00228	0.00125	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Chlorodibromomethane	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Chloroethane	<0.00285		0.00569	0.00285	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Chloroform	<0.00148		0.00228	0.00148	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Chloromethane	<0.00125		0.00228	0.00125	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Cyclohexane	<0.00569		0.0114	0.00569	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,2-Dibromo-3-chloropropane	<0.00285		0.00569	0.00285	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,2-Dibromoethane (EDB)	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Methylcyclohexane	<0.00569		0.0114	0.00569	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,2-Dichlorobenzene	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,3-Dichlorobenzene	<0.00137		0.00228	0.00137	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,4-Dichlorobenzene	<0.00125		0.00228	0.00125	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Dichlorodifluoromethane	<0.00159		0.00228	0.00159	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,2-Dichloroethane	<0.00125		0.00228	0.00125	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,1-Dichloroethane	<0.00148		0.00228	0.00148	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,1-Dichloroethene	<0.00137		0.00228	0.00137	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
trans-1,2-Dichloroethene	<0.00148		0.00228	0.00148	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,1,2-Trifluorotrchloroethane	<0.00125		0.00228	0.00125	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
cis-1,2-Dichloroethene	<0.00125		0.00228	0.00125	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,2-Dichloropropane	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
trans-1,3-Dichloropropene	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
cis-1,3-Dichloropropene	<0.00114	L	0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Ethylbenzene	<0.00125		0.00228	0.00125	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
2-Hexanone	<0.0285		0.0569	0.0285	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Isopropylbenzene	<0.00125		0.00228	0.00125	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Methyl Acetate	<0.00569		0.0114	0.00569	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Methyl tert-Butyl Ether	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Methylene Chloride	<0.00569		0.0114	0.00569	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
4-Methyl-2-pentanone	<0.0285	L	0.0569	0.0285	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Styrene	<0.00125		0.00228	0.00125	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,1,2,2-Tetrachloroethane	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Tetrachloroethene	<0.00148		0.00228	0.00148	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Toluene	<0.00125		0.00228	0.00125	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,2,4-Trichlorobenzene	<0.00137		0.00228	0.00137	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,2,3-Trichlorobenzene	<0.00125		0.00228	0.00125	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,1,1-Trichloroethane	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
1,1,2-Trichloroethane	<0.00285		0.00569	0.00285	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Trichloroethene	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Trichlorofluoromethane	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Vinyl chloride	<0.00114		0.00228	0.00114	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00
Xylenes, total	<0.00285		0.00569	0.00285	mg/kg dry	☼	02/29/12 16:00	03/07/12 17:12	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SB-1 (0-2)**

**Lab Sample ID: NWC0375-01**

**Date Collected: 02/29/12 16:00**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 74.9**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	110		70 - 130	02/29/12 16:00	03/07/12 17:12	1.00
Dibromofluoromethane	108		70 - 130	02/29/12 16:00	03/07/12 17:12	1.00
Toluene-d8	107		70 - 130	02/29/12 16:00	03/07/12 17:12	1.00
4-Bromofluorobenzene	99		70 - 130	02/29/12 16:00	03/07/12 17:12	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Acenaphthylene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Anthracene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Benzo (a) anthracene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Benzo (a) pyrene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Benzo (b) fluoranthene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Benzo (g,h,i) perylene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Benzo (k) fluoranthene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
4-Bromophenyl phenyl ether	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Butyl benzyl phthalate	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Carbazole	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
4-Chloro-3-methylphenol	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
4-Chloroaniline	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Bis(2-chloroethoxy)methane	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Bis(2-chloroethyl)ether	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Bis(2-chloroisopropyl)ether	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
2-Chloronaphthalene	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
2-Chlorophenol	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
4-Chlorophenyl phenyl ether	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Chrysene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Dibenz (a,h) anthracene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Dibenzofuran	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Di-n-butyl phthalate	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
1,4-Dichlorobenzene	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
1,2-Dichlorobenzene	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
1,3-Dichlorobenzene	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
3,3-Dichlorobenzidine	<0.220		0.879	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
2,4-Dichlorophenol	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Diethyl phthalate	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
2,4-Dimethylphenol	<0.253		0.439	0.253	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Dimethyl phthalate	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
4,6-Dinitro-2-methylphenol	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
2,4-Dinitrophenol	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
2,6-Dinitrotoluene	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
2,4-Dinitrotoluene	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Di-n-octyl phthalate	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Bis(2-ethylhexyl)phthalate	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Fluoranthene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Fluorene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Hexachlorobenzene	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Hexachlorobutadiene	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Hexachlorocyclopentadiene	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Hexachloroethane	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Indeno (1,2,3-cd) pyrene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Isophorone	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SB-1 (0-2)**

**Lab Sample ID: NWC0375-01**

**Date Collected: 02/29/12 16:00**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 74.9**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
2-Methylphenol	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
3/4-Methylphenol	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Naphthalene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
3-Nitroaniline	<0.220		1.10	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
2-Nitroaniline	<0.220		1.10	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
4-Nitroaniline	<0.220		1.10	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Nitrobenzene	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
4-Nitrophenol	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
2-Nitrophenol	<0.258		0.439	0.258	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
N-Nitrosodiphenylamine	<0.241		0.439	0.241	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
N-Nitrosodi-n-propylamine	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Pentachlorophenol	<0.220		1.10	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Phenanthrene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Phenol	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
Pyrene	<0.0448		0.0883	0.0448	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
1,2,4-Trichlorobenzene	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
2,4,6-Trichlorophenol	<0.220		0.439	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00
2,4,5-Trichlorophenol	<0.220		1.10	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:20	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	79		18 - 120	03/05/12 05:30	03/06/12 00:20	1.00
2,4,6-Tribromophenol	65		19 - 120	03/05/12 05:30	03/06/12 00:20	1.00
Phenol-d5	72		18 - 120	03/05/12 05:30	03/06/12 00:20	1.00
2-Fluorobiphenyl	64		14 - 120	03/05/12 05:30	03/06/12 00:20	1.00
2-Fluorophenol	67		17 - 120	03/05/12 05:30	03/06/12 00:20	1.00
Nitrobenzene-d5	65		17 - 120	03/05/12 05:30	03/06/12 00:20	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>18100</b>	<b>MHA</b>	26.1	13.1	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
Antimony	<6.53		13.1	6.53	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
<b>Arsenic</b>	<b>4.65</b>		1.31	0.653	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
<b>Barium</b>	<b>33.9</b>		2.61	1.31	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
Beryllium	<0.653		1.31	0.653	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
Cadmium	<0.653		1.31	0.653	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
<b>Calcium</b>	<b>1440</b>		131	65.3	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
<b>Chromium</b>	<b>24.0</b>		1.31	0.653	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
Cobalt	<1.96		3.92	1.96	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
Copper	<1.31		2.61	1.31	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
<b>Iron</b>	<b>16600</b>	<b>MHA B</b>	13.1	6.53	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
<b>Lead</b>	<b>10.1</b>		1.31	0.653	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
<b>Magnesium</b>	<b>1260</b>		131	65.3	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
<b>Manganese</b>	<b>43.2</b>		3.92	1.96	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
<b>Nickel</b>	<b>5.33</b>		2.61	1.31	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
<b>Potassium</b>	<b>623</b>		131	65.3	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
Selenium	<1.31		2.61	1.31	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
Silver	<0.653		1.31	0.653	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
Sodium	<131		261	131	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
Thallium	<1.31		2.61	1.31	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00
<b>Vanadium</b>	<b>31.5</b>		13.1	6.53	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Client Sample ID: Tract 37 SB-1 (0-2)

Lab Sample ID: NWC0375-01

Date Collected: 02/29/12 16:00

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 74.9

### Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	18.1		13.1	6.53	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:17	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.065		0.13	0.065	mg/kg dry	☼	03/05/12 14:30	03/06/12 11:16	1.0

### Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	0.00				%		03/23/12 13:44	03/23/12 13:45	1.00

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	74.9		0.500	0.500	%		03/05/12 11:46	03/06/12 09:34	1.00

## Client Sample ID: Tract 37 SB-1 (22-26)

Lab Sample ID: NWC0375-02

Date Collected: 02/29/12 16:15

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 71.9

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.132		0.0551	0.0276	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Benzene	0.0102		0.00220	0.00121	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Bromochloromethane	<0.00132		0.00220	0.00132	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Bromodichloromethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Bromoform	<0.00110		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Bromomethane	<0.00132		0.00220	0.00132	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
2-Butanone	0.0433	J	0.0551	0.0276	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Carbon disulfide	<0.00397		0.00551	0.00397	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Carbon Tetrachloride	<0.00110		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Chlorobenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Chlorodibromomethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Chloroethane	<0.00276		0.00551	0.00276	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Chloroform	<0.00143		0.00220	0.00143	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Chloromethane	<0.00121		0.00220	0.00121	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Cyclohexane	0.00760	J	0.0110	0.00551	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,2-Dibromo-3-chloropropane	<0.00276		0.00551	0.00276	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,2-Dibromoethane (EDB)	<0.00110		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Methylcyclohexane	0.00904	J	0.0110	0.00551	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,2-Dichlorobenzene	<0.00110		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,3-Dichlorobenzene	<0.00132		0.00220	0.00132	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,4-Dichlorobenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Dichlorodifluoromethane	<0.00154		0.00220	0.00154	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,2-Dichloroethane	<0.00121		0.00220	0.00121	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,1-Dichloroethane	<0.00143		0.00220	0.00143	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,1-Dichloroethene	<0.00132		0.00220	0.00132	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
trans-1,2-Dichloroethene	<0.00143		0.00220	0.00143	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,1,2-Trifluorotrchloroethane	<0.00121		0.00220	0.00121	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
cis-1,2-Dichloroethene	0.0771		0.00220	0.00121	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,2-Dichloropropane	<0.00110		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
trans-1,3-Dichloropropene	<0.00110		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
cis-1,3-Dichloropropene	<0.00110	L	0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Ethylbenzene	0.00381		0.00220	0.00121	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SB-1 (22-26)**

**Lab Sample ID: NWC0375-02**

**Date Collected: 02/29/12 16:15**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 71.9**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	<0.0276		0.0551	0.0276	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Isopropylbenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Methyl Acetate	<0.00551		0.0110	0.00551	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Methyl tert-Butyl Ether	<0.00110		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Methylene Chloride	<0.00551		0.0110	0.00551	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
4-Methyl-2-pentanone	<0.0276	L	0.0551	0.0276	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Styrene	<0.00121		0.00220	0.00121	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,1,2,2-Tetrachloroethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Tetrachloroethene	<0.00143		0.00220	0.00143	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
<b>Toluene</b>	<b>0.00712</b>		0.00220	0.00121	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,2,4-Trichlorobenzene	<0.00132		0.00220	0.00132	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,2,3-Trichlorobenzene	<0.00121		0.00220	0.00121	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,1,1-Trichloroethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
1,1,2-Trichloroethane	<0.00276		0.00551	0.00276	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
<b>Trichloroethene</b>	<b>0.00509</b>		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
Trichlorofluoromethane	<0.00110		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
<b>Vinyl chloride</b>	<b>0.0898</b>		0.00220	0.00110	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00
<b>Xylenes, total</b>	<b>0.00452</b>	J	0.00551	0.00276	mg/kg dry	☼	02/29/12 16:15	03/07/12 17:43	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		70 - 130	02/29/12 16:15	03/07/12 17:43	1.00
Dibromofluoromethane	106		70 - 130	02/29/12 16:15	03/07/12 17:43	1.00
Toluene-d8	110		70 - 130	02/29/12 16:15	03/07/12 17:43	1.00
4-Bromofluorobenzene	102		70 - 130	02/29/12 16:15	03/07/12 17:43	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Acenaphthylene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Anthracene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Benzo (a) anthracene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Benzo (a) pyrene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Benzo (b) fluoranthene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Benzo (g,h,i) perylene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Benzo (k) fluoranthene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
4-Bromophenyl phenyl ether	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Butyl benzyl phthalate	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Carbazole	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
4-Chloro-3-methylphenol	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
4-Chloroaniline	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Bis(2-chloroethoxy)methane	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Bis(2-chloroethyl)ether	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Bis(2-chloroisopropyl)ether	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2-Chloronaphthalene	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2-Chlorophenol	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
4-Chlorophenyl phenyl ether	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Chrysene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Dibenz (a,h) anthracene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Dibenzofuran	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Di-n-butyl phthalate	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
1,4-Dichlorobenzene	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SB-1 (22-26)**

**Lab Sample ID: NWC0375-02**

**Date Collected: 02/29/12 16:15**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 71.9**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
1,3-Dichlorobenzene	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
3,3-Dichlorobenzidine	<0.228		0.909	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2,4-Dichlorophenol	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Diethyl phthalate	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2,4-Dimethylphenol	<0.262		0.454	0.262	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Dimethyl phthalate	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
4,6-Dinitro-2-methylphenol	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2,4-Dinitrophenol	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2,6-Dinitrotoluene	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2,4-Dinitrotoluene	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Di-n-octyl phthalate	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Bis(2-ethylhexyl)phthalate	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Fluoranthene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Fluorene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Hexachlorobenzene	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Hexachlorobutadiene	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Hexachlorocyclopentadiene	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Hexachloroethane	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Indeno (1,2,3-cd) pyrene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Isophorone	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2-Methylnaphthalene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2-Methylphenol	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
3/4-Methylphenol	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Naphthalene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
3-Nitroaniline	<0.228		1.14	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2-Nitroaniline	<0.228		1.14	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
4-Nitroaniline	<0.228		1.14	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Nitrobenzene	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
4-Nitrophenol	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2-Nitrophenol	<0.267		0.454	0.267	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
N-Nitrosodiphenylamine	<0.249		0.454	0.249	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
N-Nitrosodi-n-propylamine	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Pentachlorophenol	<0.228		1.14	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Phenanthrene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Phenol	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Pyrene	<0.0463		0.0913	0.0463	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
1,2,4-Trichlorobenzene	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2,4,6-Trichlorophenol	<0.228		0.454	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
2,4,5-Trichlorophenol	<0.228		1.14	0.228	mg/kg dry	☼	03/05/12 05:30	03/06/12 00:40	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	73		18 - 120				03/05/12 05:30	03/06/12 00:40	1.00
2,4,6-Tribromophenol	56		19 - 120				03/05/12 05:30	03/06/12 00:40	1.00
Phenol-d5	63		18 - 120				03/05/12 05:30	03/06/12 00:40	1.00
2-Fluorobiphenyl	58		14 - 120				03/05/12 05:30	03/06/12 00:40	1.00
2-Fluorophenol	61		17 - 120				03/05/12 05:30	03/06/12 00:40	1.00
Nitrobenzene-d5	59		17 - 120				03/05/12 05:30	03/06/12 00:40	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Client Sample ID: Tract 37 SB-1 (22-26)

Lab Sample ID: NWC0375-02

Date Collected: 02/29/12 16:15

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 71.9

### Method: SW846 6010C - Total Metals by EPA 6010C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15500		27.8	13.9	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Antimony	<6.95		13.9	6.95	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Arsenic	3.53		1.39	0.695	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Barium	40.3		2.78	1.39	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Beryllium	0.695	J	1.39	0.695	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Cadmium	0.834	J	1.39	0.695	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Calcium	19300		139	69.5	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Chromium	39.6		1.39	0.695	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Cobalt	2.23	J	4.17	2.09	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Copper	3.06		2.78	1.39	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Iron	13700	B	13.9	6.95	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Lead	7.20		1.39	0.695	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Magnesium	1740		139	69.5	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Manganese	125		4.17	2.09	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Nickel	12.0		2.78	1.39	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Potassium	1140		139	69.5	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Selenium	<1.39		2.78	1.39	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Silver	<0.695		1.39	0.695	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Sodium	436		278	139	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Thallium	<1.39		2.78	1.39	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Vanadium	37.5		13.9	6.95	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00
Zinc	45.2		13.9	6.95	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:26	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.069		0.14	0.069	mg/kg dry	☼	03/05/12 14:30	03/06/12 11:18	1.0

### Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	0.00				%		03/23/12 13:44	03/23/12 13:45	1.00

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	71.9		0.500	0.500	%		03/05/12 11:46	03/06/12 09:34	1.00

## Client Sample ID: Tract 37 TW-1 (20-24)

Lab Sample ID: NWC0375-03

Date Collected: 02/29/12 16:30

Matrix: Ground Water

Date Received: 03/02/12 08:20

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 TW-1 (20-24)**

**Lab Sample ID: NWC0375-03**

**Date Collected: 02/29/12 16:30**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
<b>1,2-Dichlorobenzene</b>	<b>0.530</b>	<b>J</b>	1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
<b>1,1-Dichloroethane</b>	<b>8.08</b>		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
<b>1,1-Dichloroethene</b>	<b>2.90</b>		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
<b>trans-1,2-Dichloroethene</b>	<b>2.47</b>		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
1,1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Methyl Acetate	<5.00	L2	10.0	5.00	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
<b>Toluene</b>	<b>0.590</b>	<b>J</b>	1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
<b>Trichloroethene</b>	<b>31.5</b>		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:09	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/06/12 10:23	03/06/12 13:09	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	94		70 - 130	03/06/12 10:23	03/06/12 13:09	1.00
Dibromofluoromethane	97		70 - 130	03/06/12 10:23	03/06/12 13:09	1.00
Toluene-d8	96		70 - 130	03/06/12 10:23	03/06/12 13:09	1.00
4-Bromofluorobenzene	101		70 - 130	03/06/12 10:23	03/06/12 13:09	1.00

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>cis-1,2-Dichloroethene</b>	<b>588</b>		20.0	10.0	ug/L		03/06/12 21:53	03/07/12 02:30	20.0
<b>Vinyl chloride</b>	<b>624</b>		20.0	10.0	ug/L		03/06/12 21:53	03/07/12 02:30	20.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	88		70 - 130	03/06/12 21:53	03/07/12 02:30	20.0
Dibromofluoromethane	93		70 - 130	03/06/12 21:53	03/07/12 02:30	20.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 TW-1 (20-24)**

**Lab Sample ID: NWC0375-03**

**Date Collected: 02/29/12 16:30**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1 (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8	95		70 - 130	03/06/12 21:53	03/07/12 02:30	20.0
4-Bromofluorobenzene	98		70 - 130	03/06/12 21:53	03/07/12 02:30	20.0

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Acenaphthylene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Anthracene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Benzo (a) anthracene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Benzo (a) pyrene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Benzo (b) fluoranthene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Benzo (g,h,i) perylene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Benzo (k) fluoranthene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
4-Bromophenyl phenyl ether	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Butyl benzyi phthalate	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Carbazole	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
4-Chloro-3-methylphenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
4-Chloroaniline	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Bis(2-chloroethoxy)methane	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Bis(2-chloroethyl)ether	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Bis(2-chloroisopropyl)ether	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
2-Chloronaphthalene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
2-Chlorophenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
4-Chlorophenyl phenyl ether	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Chrysene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Dibenz (a,h) anthracene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Dibenzofuran	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Di-n-butyl phthalate	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
1,4-Dichlorobenzene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
1,2-Dichlorobenzene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
1,3-Dichlorobenzene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
3,3-Dichlorobenzidine	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
2,4-Dichlorophenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Diethyl phthalate	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
2,4-Dimethylphenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Dimethyl phthalate	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
4,6-Dinitro-2-methylphenol	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
2,4-Dinitrophenol	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
2,6-Dinitrotoluene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
2,4-Dinitrotoluene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Di-n-octyl phthalate	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Bis(2-ethylhexyl)phthalate	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Fluoranthene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Fluorene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Hexachlorobenzene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Hexachlorobutadiene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Hexachlorocyclopentadiene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Hexachloroethane	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Indeno (1,2,3-cd) pyrene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Isophorone	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
2-Methylnaphthalene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 TW-1 (20-24)**

**Lab Sample ID: NWC0375-03**

**Date Collected: 02/29/12 16:30**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Naphthalene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
3/4-Methylphenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
3-Nitroaniline	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
2-Nitroaniline	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
4-Nitroaniline	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Nitrobenzene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
4-Nitrophenol	<4.85		24.3	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
2-Nitrophenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
N-Nitrosodiphenylamine	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
N-Nitrosodi-n-propylamine	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Pentachlorophenol	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Phenanthrene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Phenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
Pyrene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
1,2,4-Trichlorobenzene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
2,4,6-Trichlorophenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/03/12 23:40	1.00
2,4,5-Trichlorophenol	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/03/12 23:40	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	31		13 - 120	03/03/12 11:00	03/03/12 23:40	1.00
2,4,6-Tribromophenol	39		10 - 120	03/03/12 11:00	03/03/12 23:40	1.00
Phenol-d5	23		10 - 120	03/03/12 11:00	03/03/12 23:40	1.00
2-Fluorobiphenyl	45		29 - 120	03/03/12 11:00	03/03/12 23:40	1.00
2-Fluorophenol	35		10 - 120	03/03/12 11:00	03/03/12 23:40	1.00
Nitrobenzene-d5	49		27 - 120	03/03/12 11:00	03/03/12 23:40	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500	P7	0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Arsenic	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Barium	<b>0.0631</b>	<b>P7</b>	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Cadmium	<0.000600	P7	0.00100	0.000600	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Calcium	<b>117</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Cobalt	<0.0100	P7	0.0200	0.0100	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Iron	<0.0250	P7	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Lead	<0.00250	P7	0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Magnesium	<b>10.3</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Manganese	<b>0.150</b>	<b>P7</b>	0.0150	0.00750	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Nickel	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Potassium	<b>4.17</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Silver	<0.00250	P7	0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Sodium	<b>75.2</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		03/11/12 11:52	03/12/12 16:36	1.00
Zinc	<0.0250	P7	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:36	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 TW-1 (20-24)**

**Lab Sample ID: NWC0375-03**

Date Collected: 02/29/12 16:30

Matrix: Ground Water

Date Received: 03/02/12 08:20

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4.87		0.100	0.0500	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Arsenic	0.00500	J	0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Barium	0.0908		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Cadmium	0.000900	J	0.00100	0.000600	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Calcium	134		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Chromium	0.0769		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Copper	0.00930	J B	0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Iron	7.48		0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Magnesium	10.5		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Manganese	0.235		0.0150	0.00750	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Nickel	0.0360		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Potassium	4.31		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Sodium	74.4		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Vanadium	0.0213		0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 20:22	1.00
Zinc	0.0634		0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 20:22	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		03/07/12 12:20	03/07/12 15:22	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/05/12 11:40	03/06/12 14:35	1.00

**Method: subcontract - Subcontracted Analysis**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	0.00				%		03/23/12 13:44	03/23/12 13:45	1.00

**Client Sample ID: Tract 37 SB-2 (0-2)**

**Lab Sample ID: NWC0375-04**

Date Collected: 02/29/12 11:00

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 85.6

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0315		0.0630	0.0315	mg/kg dry	*	02/29/12 11:00	03/07/12 18:14	1.00
Benzene	<0.00139		0.00252	0.00139	mg/kg dry	*	02/29/12 11:00	03/07/12 18:14	1.00
Bromochloromethane	<0.00151		0.00252	0.00151	mg/kg dry	*	02/29/12 11:00	03/07/12 18:14	1.00
Bromodichloromethane	<0.00126		0.00252	0.00126	mg/kg dry	*	02/29/12 11:00	03/07/12 18:14	1.00
Bromoform	<0.00126		0.00252	0.00126	mg/kg dry	*	02/29/12 11:00	03/07/12 18:14	1.00
Bromomethane	<0.00151		0.00252	0.00151	mg/kg dry	*	02/29/12 11:00	03/07/12 18:14	1.00
2-Butanone	<0.0315		0.0630	0.0315	mg/kg dry	*	02/29/12 11:00	03/07/12 18:14	1.00
Carbon disulfide	<0.00454		0.00630	0.00454	mg/kg dry	*	02/29/12 11:00	03/07/12 18:14	1.00
Carbon Tetrachloride	<0.00126		0.00252	0.00126	mg/kg dry	*	02/29/12 11:00	03/07/12 18:14	1.00
Chlorobenzene	<0.00139		0.00252	0.00139	mg/kg dry	*	02/29/12 11:00	03/07/12 18:14	1.00
Chlorodibromomethane	<0.00126		0.00252	0.00126	mg/kg dry	*	02/29/12 11:00	03/07/12 18:14	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SB-2 (0-2)**

**Lab Sample ID: NWC0375-04**

**Date Collected: 02/29/12 11:00**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 85.6**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	<0.00315		0.00630	0.00315	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Chloroform	<0.00164		0.00252	0.00164	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Chloromethane	<0.00139		0.00252	0.00139	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Cyclohexane	<0.00630		0.0126	0.00630	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,2-Dibromo-3-chloropropane	<0.00315		0.00630	0.00315	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,2-Dibromoethane (EDB)	<0.00126		0.00252	0.00126	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Methylcyclohexane	<0.00630		0.0126	0.00630	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,2-Dichlorobenzene	<0.00126		0.00252	0.00126	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,3-Dichlorobenzene	<0.00151		0.00252	0.00151	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,4-Dichlorobenzene	<0.00139		0.00252	0.00139	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Dichlorodifluoromethane	<0.00177		0.00252	0.00177	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,2-Dichloroethane	<0.00139		0.00252	0.00139	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,1-Dichloroethane	<0.00164		0.00252	0.00164	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,1-Dichloroethene	<0.00151		0.00252	0.00151	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
trans-1,2-Dichloroethene	<0.00164		0.00252	0.00164	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,1,2-Trifluoroethane	<0.00139		0.00252	0.00139	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
cis-1,2-Dichloroethene	<0.00139		0.00252	0.00139	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,2-Dichloropropane	<0.00126		0.00252	0.00126	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
trans-1,3-Dichloropropene	<0.00126		0.00252	0.00126	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
cis-1,3-Dichloropropene	<0.00126	L	0.00252	0.00126	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Ethylbenzene	<0.00139		0.00252	0.00139	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
2-Hexanone	<0.0315		0.0630	0.0315	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Isopropylbenzene	<0.00139		0.00252	0.00139	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Methyl Acetate	<0.00630		0.0126	0.00630	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Methyl tert-Butyl Ether	<0.00126		0.00252	0.00126	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Methylene Chloride	<0.00630		0.0126	0.00630	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
4-Methyl-2-pentanone	<0.0315	L	0.0630	0.0315	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Styrene	<0.00139		0.00252	0.00139	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,1,2,2-Tetrachloroethane	<0.00126		0.00252	0.00126	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Tetrachloroethene	<0.00164		0.00252	0.00164	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Toluene	<0.00139		0.00252	0.00139	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,2,4-Trichlorobenzene	<0.00151		0.00252	0.00151	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,2,3-Trichlorobenzene	<0.00139		0.00252	0.00139	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,1,1-Trichloroethane	<0.00126		0.00252	0.00126	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
1,1,2-Trichloroethane	<0.00315		0.00630	0.00315	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Trichloroethene	<0.00126		0.00252	0.00126	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Trichlorofluoromethane	<0.00126		0.00252	0.00126	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Vinyl chloride	<0.00126		0.00252	0.00126	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00
Xylenes, total	<0.00315		0.00630	0.00315	mg/kg dry	☼	02/29/12 11:00	03/07/12 18:14	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		70 - 130	02/29/12 11:00	03/07/12 18:14	1.00
Dibromofluoromethane	105		70 - 130	02/29/12 11:00	03/07/12 18:14	1.00
Toluene-d8	109		70 - 130	02/29/12 11:00	03/07/12 18:14	1.00
4-Bromofluorobenzene	103		70 - 130	02/29/12 11:00	03/07/12 18:14	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Acenaphthylene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Anthracene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SB-2 (0-2)**

**Lab Sample ID: NWC0375-04**

**Date Collected: 02/29/12 11:00**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 85.6**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo (a) anthracene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Benzo (a) pyrene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Benzo (b) fluoranthene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Benzo (g,h,i) perylene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Benzo (k) fluoranthene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
4-Bromophenyl phenyl ether	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Butyl benzyl phthalate	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Carbazole	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
4-Chloro-3-methylphenol	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
4-Chloroaniline	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Bis(2-chloroethoxy)methane	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Bis(2-chloroethyl)ether	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Bis(2-chloroisopropyl)ether	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
2-Chloronaphthalene	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
2-Chlorophenol	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
4-Chlorophenyl phenyl ether	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Chrysene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Dibenz (a,h) anthracene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Dibenzofuran	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Di-n-butyl phthalate	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
1,4-Dichlorobenzene	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
1,2-Dichlorobenzene	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
1,3-Dichlorobenzene	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
3,3-Dichlorobenzidine	<0.191		0.764	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
2,4-Dichlorophenol	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Diethyl phthalate	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
2,4-Dimethylphenol	<0.220		0.381	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Dimethyl phthalate	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
4,6-Dinitro-2-methylphenol	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
2,4-Dinitrophenol	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
2,6-Dinitrotoluene	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
2,4-Dinitrotoluene	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Di-n-octyl phthalate	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Bis(2-ethylhexyl)phthalate	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Fluoranthene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Fluorene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Hexachlorobenzene	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Hexachlorobutadiene	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Hexachlorocyclopentadiene	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Hexachloroethane	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Indeno (1,2,3-cd) pyrene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Isophorone	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
2-Methylnaphthalene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
2-Methylphenol	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
3/4-Methylphenol	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Naphthalene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
3-Nitroaniline	<0.191		0.954	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
2-Nitroaniline	<0.191		0.954	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
4-Nitroaniline	<0.191		0.954	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Nitrobenzene	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
4-Nitrophenol	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SB-2 (0-2)**

**Lab Sample ID: NWC0375-04**

**Date Collected: 02/29/12 11:00**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 85.6**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	<0.224		0.381	0.224	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
N-Nitrosodiphenylamine	<0.209		0.381	0.209	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
N-Nitrosodi-n-propylamine	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Pentachlorophenol	<0.191		0.954	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Phenanthrene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Phenol	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Pyrene	<0.0389		0.0767	0.0389	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
1,2,4-Trichlorobenzene	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
2,4,6-Trichlorophenol	<0.191		0.381	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
2,4,5-Trichlorophenol	<0.191		0.954	0.191	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:00	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	82		18 - 120				03/05/12 05:30	03/06/12 01:00	1.00
2,4,6-Tribromophenol	63		19 - 120				03/05/12 05:30	03/06/12 01:00	1.00
Phenol-d5	70		18 - 120				03/05/12 05:30	03/06/12 01:00	1.00
2-Fluorobiphenyl	66		14 - 120				03/05/12 05:30	03/06/12 01:00	1.00
2-Fluorophenol	64		17 - 120				03/05/12 05:30	03/06/12 01:00	1.00
Nitrobenzene-d5	61		17 - 120				03/05/12 05:30	03/06/12 01:00	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>4740</b>		23.0	11.5	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
Antimony	<5.75		11.5	5.75	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Arsenic</b>	<b>4.28</b>		1.15	0.575	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Barium</b>	<b>40.4</b>		2.30	1.15	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
Beryllium	<0.575		1.15	0.575	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Cadmium</b>	<b>1.03 J</b>		1.15	0.575	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Calcium</b>	<b>3390</b>		115	57.5	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Chromium</b>	<b>8.60</b>		1.15	0.575	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
Cobalt	<1.72		3.45	1.72	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Copper</b>	<b>11.8</b>		2.30	1.15	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Iron</b>	<b>5130 B</b>		11.5	5.75	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Lead</b>	<b>23.1</b>		1.15	0.575	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Magnesium</b>	<b>455</b>		115	57.5	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Manganese</b>	<b>66.8</b>		3.45	1.72	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Nickel</b>	<b>3.59</b>		2.30	1.15	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Potassium</b>	<b>189</b>		115	57.5	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
Selenium	<1.15		2.30	1.15	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
Silver	<0.575		1.15	0.575	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
Sodium	<115		230	115	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
Thallium	<1.15		2.30	1.15	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Vanadium</b>	<b>8.23 J</b>		11.5	5.75	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00
<b>Zinc</b>	<b>108</b>		11.5	5.75	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:30	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.067 J</b>		0.12	0.059	mg/kg dry	☼	03/05/12 14:30	03/06/12 11:20	1.0

**Method: subcontract - Subcontracted Analysis**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>See Attached Report</b>	<b>0.00</b>				%		03/23/12 13:44	03/23/12 13:45	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Client Sample ID: Tract 37 SB-2 (0-2)

Lab Sample ID: NWC0375-04

Date Collected: 02/29/12 11:00

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 85.6

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	85.6		0.500	0.500	%		03/05/12 11:46	03/06/12 09:34	1.00

## Client Sample ID: Tract 37 SB-2 (8-12)

Lab Sample ID: NWC0375-05

Date Collected: 02/29/12 11:15

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 83

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0747		0.0438	0.0219	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Benzene	<0.000963		0.00175	0.000963	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Bromochloromethane	<0.00105		0.00175	0.00105	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Bromodichloromethane	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Bromoform	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Bromomethane	<0.00105		0.00175	0.00105	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
2-Butanone	<0.0219		0.0438	0.0219	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Carbon disulfide	<0.00315		0.00438	0.00315	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Carbon Tetrachloride	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Chlorobenzene	<0.000963		0.00175	0.000963	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Chlorodibromomethane	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Chloroethane	<0.00219		0.00438	0.00219	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Chloroform	<0.00114		0.00175	0.00114	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Chloromethane	<0.000963		0.00175	0.000963	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Cyclohexane	<0.00438		0.00876	0.00438	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,2-Dibromo-3-chloropropane	<0.00219		0.00438	0.00219	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,2-Dibromoethane (EDB)	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Methylcyclohexane	<0.00438		0.00876	0.00438	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,2-Dichlorobenzene	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,3-Dichlorobenzene	<0.00105		0.00175	0.00105	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,4-Dichlorobenzene	<0.000963		0.00175	0.000963	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Dichlorodifluoromethane	<0.00123		0.00175	0.00123	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,2-Dichloroethane	<0.000963		0.00175	0.000963	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,1-Dichloroethane	<0.00114		0.00175	0.00114	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,1-Dichloroethene	<0.00105		0.00175	0.00105	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
trans-1,2-Dichloroethene	<0.00114		0.00175	0.00114	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,1,2-Trifluorotrchloroethane	<0.000963		0.00175	0.000963	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
cis-1,2-Dichloroethene	<0.000963		0.00175	0.000963	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,2-Dichloropropane	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
trans-1,3-Dichloropropene	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
cis-1,3-Dichloropropene	<0.000876	L	0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Ethylbenzene	<0.000963		0.00175	0.000963	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
2-Hexanone	<0.0219		0.0438	0.0219	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Isopropylbenzene	<0.000963		0.00175	0.000963	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Methyl Acetate	<0.00438		0.00876	0.00438	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Methyl tert-Butyl Ether	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Methylene Chloride	<0.00438		0.00876	0.00438	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
4-Methyl-2-pentanone	<0.0219	L	0.0438	0.0219	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Styrene	<0.000963		0.00175	0.000963	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,1,2,2-Tetrachloroethane	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Tetrachloroethene	<0.00114		0.00175	0.00114	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Toluene	<0.000963		0.00175	0.000963	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,2,4-Trichlorobenzene	<0.00105		0.00175	0.00105	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SB-2 (8-12)**

**Lab Sample ID: NWC0375-05**

Date Collected: 02/29/12 11:15

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 83

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.000963		0.00175	0.000963	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,1,1-Trichloroethane	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
1,1,2-Trichloroethane	<0.00219		0.00438	0.00219	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Trichloroethene	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Trichlorofluoromethane	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Vinyl chloride	<0.000876		0.00175	0.000876	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00
Xylenes, total	<0.00219		0.00438	0.00219	mg/kg dry	☼	02/29/12 11:15	03/07/12 18:44	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		70 - 130	02/29/12 11:15	03/07/12 18:44	1.00
Dibromofluoromethane	103		70 - 130	02/29/12 11:15	03/07/12 18:44	1.00
Toluene-d8	108		70 - 130	02/29/12 11:15	03/07/12 18:44	1.00
4-Bromofluorobenzene	97		70 - 130	02/29/12 11:15	03/07/12 18:44	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Acenaphthylene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Anthracene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Benzo (a) anthracene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Benzo (a) pyrene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Benzo (b) fluoranthene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Benzo (g,h,i) perylene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Benzo (k) fluoranthene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
4-Bromophenyl phenyl ether	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Butyl benzyl phthalate	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Carbazole	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
4-Chloro-3-methylphenol	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
4-Chloroaniline	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Bis(2-chloroethoxy)methane	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Bis(2-chloroethyl)ether	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Bis(2-chloroisopropyl)ether	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2-Chloronaphthalene	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2-Chlorophenol	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
4-Chlorophenyl phenyl ether	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Chrysene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Dibenz (a,h) anthracene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Dibenzofuran	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Di-n-butyl phthalate	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
1,4-Dichlorobenzene	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
1,2-Dichlorobenzene	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
1,3-Dichlorobenzene	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
3,3-Dichlorobenzidine	<0.201		0.803	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2,4-Dichlorophenol	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Diethyl phthalate	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2,4-Dimethylphenol	<0.231		0.401	0.231	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Dimethyl phthalate	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
4,6-Dinitro-2-methylphenol	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2,4-Dinitrophenol	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2,6-Dinitrotoluene	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2,4-Dinitrotoluene	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SB-2 (8-12)**

**Lab Sample ID: NWC0375-05**

**Date Collected: 02/29/12 11:15**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 83**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Bis(2-ethylhexyl)phthalate	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Fluoranthene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Fluorene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Hexachlorobenzene	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Hexachlorobutadiene	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Hexachlorocyclopentadiene	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Hexachloroethane	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Indeno (1,2,3-cd) pyrene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Isophorone	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2-Methylnaphthalene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2-Methylphenol	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
3/4-Methylphenol	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Naphthalene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
3-Nitroaniline	<0.201		1.00	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2-Nitroaniline	<0.201		1.00	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
4-Nitroaniline	<0.201		1.00	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Nitrobenzene	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
4-Nitrophenol	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2-Nitrophenol	<0.236		0.401	0.236	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
N-Nitrosodiphenylamine	<0.220		0.401	0.220	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
N-Nitrosodi-n-propylamine	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Pentachlorophenol	<0.201		1.00	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Phenanthrene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Phenol	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
Pyrene	<0.0409		0.0807	0.0409	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
1,2,4-Trichlorobenzene	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2,4,6-Trichlorophenol	<0.201		0.401	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00
2,4,5-Trichlorophenol	<0.201		1.00	0.201	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:19	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	75		18 - 120	03/05/12 05:30	03/06/12 01:19	1.00
2,4,6-Tribromophenol	59		19 - 120	03/05/12 05:30	03/06/12 01:19	1.00
Phenol-d5	62		18 - 120	03/05/12 05:30	03/06/12 01:19	1.00
2-Fluorobiphenyl	59		14 - 120	03/05/12 05:30	03/06/12 01:19	1.00
2-Fluorophenol	61		17 - 120	03/05/12 05:30	03/06/12 01:19	1.00
Nitrobenzene-d5	57		17 - 120	03/05/12 05:30	03/06/12 01:19	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		23.1	11.6	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Antimony	<5.78		11.6	5.78	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Arsenic	3.91		1.16	0.578	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Barium	22.2		2.31	1.16	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Beryllium	<0.578		1.16	0.578	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Cadmium	<0.578		1.16	0.578	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Calcium	2870		116	57.8	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Chromium	23.3		1.16	0.578	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Cobalt	<1.73		3.47	1.73	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Copper	<1.16		2.31	1.16	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Iron	15400	B	11.6	5.78	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Client Sample ID: Tract 37 SB-2 (8-12)

Lab Sample ID: NWC0375-05

Date Collected: 02/29/12 11:15

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 83

### Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.19		1.16	0.578	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Magnesium	953		116	57.8	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Manganese	22.8		3.47	1.73	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Nickel	3.75		2.31	1.16	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Potassium	1040		116	57.8	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Selenium	<1.16		2.31	1.16	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Silver	<0.578		1.16	0.578	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Sodium	816		231	116	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Thallium	<1.16		2.31	1.16	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Vanadium	24.8		11.6	5.78	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00
Zinc	22.9		11.6	5.78	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:33	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.060		0.12	0.060	mg/kg dry	☼	03/05/12 14:30	03/06/12 11:22	1.0

### Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	0.00				%		03/23/12 13:44	03/23/12 13:45	1.00

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	83.0		0.500	0.500	%		03/05/12 11:46	03/06/12 09:34	1.00

## Client Sample ID: Tract 37 TW-2 (10-14)

Lab Sample ID: NWC0375-06

Date Collected: 02/29/12 11:30

Matrix: Ground Water

Date Received: 03/02/12 08:20

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/06/12 10:23	03/06/12 13:36	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 TW-2 (10-14)**

**Lab Sample ID: NWC0375-06**

**Date Collected: 02/29/12 11:30**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
<b>cis-1,2-Dichloroethene</b>	<b>0.810</b>	<b>J</b>	1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Methyl Acetate	<5.00	L2	10.0	5.00	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
<b>Toluene</b>	<b>0.600</b>	<b>J</b>	1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/06/12 10:23	03/06/12 13:36	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	93		70 - 130				03/06/12 10:23	03/06/12 13:36	1.00
Dibromofluoromethane	95		70 - 130				03/06/12 10:23	03/06/12 13:36	1.00
Toluene-d8	96		70 - 130				03/06/12 10:23	03/06/12 13:36	1.00
4-Bromofluorobenzene	105		70 - 130				03/06/12 10:23	03/06/12 13:36	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Acenaphthylene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Anthracene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Benzo (a) anthracene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Benzo (a) pyrene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Benzo (b) fluoranthene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Benzo (g,h,i) perylene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Benzo (k) fluoranthene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
4-Bromophenyl phenyl ether	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Butyl benzyl phthalate	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Carbazole	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
4-Chloro-3-methylphenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
4-Chloroaniline	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Bis(2-chloroethoxy)methane	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 TW-2 (10-14)**

**Lab Sample ID: NWC0375-06**

**Date Collected: 02/29/12 11:30**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Bis(2-chloroisopropyl)ether	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2-Chloronaphthalene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2-Chlorophenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
4-Chlorophenyl phenyl ether	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Chrysene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Dibenz (a,h) anthracene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Dibenzofuran	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Di-n-butyl phthalate	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
1,4-Dichlorobenzene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
1,2-Dichlorobenzene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
1,3-Dichlorobenzene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
3,3-Dichlorobenzidine	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2,4-Dichlorophenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Diethyl phthalate	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2,4-Dimethylphenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Dimethyl phthalate	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
4,6-Dinitro-2-methylphenol	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2,4-Dinitrophenol	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2,6-Dinitrotoluene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2,4-Dinitrotoluene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Di-n-octyl phthalate	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Bis(2-ethylhexyl)phthalate	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Fluoranthene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Fluorene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Hexachlorobenzene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Hexachlorobutadiene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Hexachlorocyclopentadiene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Hexachloroethane	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Indeno (1,2,3-cd) pyrene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Isophorone	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2-Methylnaphthalene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2-Methylphenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Naphthalene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
3/4-Methylphenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
3-Nitroaniline	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2-Nitroaniline	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
4-Nitroaniline	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Nitrobenzene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
4-Nitrophenol	<4.85		24.3	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2-Nitrophenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
N-Nitrosodiphenylamine	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
N-Nitrosodi-n-propylamine	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Pentachlorophenol	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Phenanthrene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Phenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
Pyrene	<0.971		1.94	0.971	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
1,2,4-Trichlorobenzene	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2,4,6-Trichlorophenol	<4.85		9.71	4.85	ug/L		03/03/12 11:00	03/04/12 00:00	1.00
2,4,5-Trichlorophenol	<12.6		24.3	12.6	ug/L		03/03/12 11:00	03/04/12 00:00	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 TW-2 (10-14)**

**Lab Sample ID: NWC0375-06**

**Date Collected: 02/29/12 11:30**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	58		13 - 120	03/03/12 11:00	03/04/12 00:00	1.00
2,4,6-Tribromophenol	62		10 - 120	03/03/12 11:00	03/04/12 00:00	1.00
Phenol-d5	24		10 - 120	03/03/12 11:00	03/04/12 00:00	1.00
2-Fluorobiphenyl	69		29 - 120	03/03/12 11:00	03/04/12 00:00	1.00
2-Fluorophenol	36		10 - 120	03/03/12 11:00	03/04/12 00:00	1.00
Nitrobenzene-d5	72		27 - 120	03/03/12 11:00	03/04/12 00:00	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500	P7	0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Arsenic	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
<b>Barium</b>	<b>0.475</b>	<b>P7</b>	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Cadmium	<0.000600	P7	0.00100	0.000600	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
<b>Calcium</b>	<b>405</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
<b>Cobalt</b>	<b>0.0114</b>	<b>J P7</b>	0.0200	0.0100	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Iron	<0.0250	P7	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Lead	<0.00250	P7	0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
<b>Magnesium</b>	<b>10.7</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
<b>Manganese</b>	<b>1.00</b>	<b>P7</b>	0.0150	0.00750	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Nickel	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
<b>Potassium</b>	<b>336</b>	<b>P7</b>	10.0	5.00	mg/L		03/11/12 11:52	03/13/12 10:41	10.0
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Silver	<0.00250	P7	0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
<b>Sodium</b>	<b>366</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		03/11/12 11:52	03/12/12 16:40	1.00
Zinc	<0.0250	P7	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:40	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>6.61</b>		0.100	0.0500	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
<b>Arsenic</b>	<b>0.101</b>		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
<b>Barium</b>	<b>0.606</b>		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
<b>Beryllium</b>	<b>0.00380</b>	<b>J</b>	0.00400	0.00200	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
<b>Calcium</b>	<b>368</b>		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
<b>Chromium</b>	<b>0.0428</b>		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
<b>Cobalt</b>	<b>0.0207</b>		0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
<b>Copper</b>	<b>0.00520</b>	<b>J B</b>	0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
<b>Iron</b>	<b>42.0</b>		0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
<b>Magnesium</b>	<b>9.89</b>		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
<b>Manganese</b>	<b>1.02</b>		0.0150	0.00750	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
<b>Nickel</b>	<b>0.0270</b>		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
<b>Potassium</b>	<b>304</b>		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 20:25	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 TW-2 (10-14)**

**Lab Sample ID: NWC0375-06**

Date Collected: 02/29/12 11:30

Matrix: Ground Water

Date Received: 03/02/12 08:20

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	342		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
Vanadium	0.0241		0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 20:25	1.00
Zinc	0.0544		0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 20:25	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		03/07/12 12:20	03/07/12 15:24	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000117	J	0.000200	0.000100	mg/L		03/05/12 11:40	03/06/12 14:37	1.00

**Method: subcontract - Subcontracted Analysis**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	0.00				%		03/23/12 13:44	03/23/12 13:45	1.00

**Client Sample ID: Tract 37 SS-1**

**Lab Sample ID: NWC0375-07**

Date Collected: 02/29/12 10:50

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 26.7

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.495		0.239	0.119	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Benzene	<0.00525		0.00955	0.00525	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Bromochloromethane	<0.00573		0.00955	0.00573	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Bromodichloromethane	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Bromoform	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Bromomethane	<0.00573	L	0.00955	0.00573	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
2-Butanone	0.120	J	0.239	0.119	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Carbon disulfide	0.0789		0.0239	0.0172	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Carbon Tetrachloride	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Chlorobenzene	0.321		0.00955	0.00525	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Chlorodibromomethane	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Chloroethane	<0.0119		0.0239	0.0119	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Chloroform	<0.00621		0.00955	0.00621	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Chloromethane	<0.00525		0.00955	0.00525	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Cyclohexane	<0.0239		0.0478	0.0239	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,2-Dibromo-3-chloropropane	<0.0119		0.0239	0.0119	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,2-Dibromoethane (EDB)	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Methylcyclohexane	<0.0239		0.0478	0.0239	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,2-Dichlorobenzene	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,3-Dichlorobenzene	0.0146		0.00955	0.00573	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,4-Dichlorobenzene	0.0146		0.00955	0.00525	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Dichlorodifluoromethane	<0.00669		0.00955	0.00669	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,2-Dichloroethane	<0.00525		0.00955	0.00525	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,1-Dichloroethane	<0.00621		0.00955	0.00621	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,1-Dichloroethene	<0.00573		0.00955	0.00573	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
trans-1,2-Dichloroethene	<0.00621		0.00955	0.00621	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,1,2-Trifluorotrchloroethane	<0.00525		0.00955	0.00525	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
cis-1,2-Dichloroethene	<0.00525		0.00955	0.00525	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,2-Dichloropropane	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SS-1**

**Lab Sample ID: NWC0375-07**

**Date Collected: 02/29/12 10:50**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 26.7**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
cis-1,3-Dichloropropene	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
<b>Ethylbenzene</b>	<b>0.00549</b>	<b>J</b>	0.00955	0.00525	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
2-Hexanone	<0.119		0.239	0.119	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Isopropylbenzene	<0.00525		0.00955	0.00525	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Methyl Acetate	<0.0239		0.0478	0.0239	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Methyl tert-Butyl Ether	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Methylene Chloride	<0.0239		0.0478	0.0239	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
4-Methyl-2-pentanone	<0.119		0.239	0.119	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Styrene	<0.00525		0.00955	0.00525	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,1,2,2-Tetrachloroethane	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
<b>Tetrachloroethene</b>	<b>0.0241</b>		0.00955	0.00621	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
<b>Toluene</b>	<b>0.00626</b>	<b>J</b>	0.00955	0.00525	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,2,4-Trichlorobenzene	<0.00573		0.00955	0.00573	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,2,3-Trichlorobenzene	<0.00525		0.00955	0.00525	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,1,1-Trichloroethane	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
1,1,2-Trichloroethane	<0.0119		0.0239	0.0119	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Trichloroethene	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Trichlorofluoromethane	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Vinyl chloride	<0.00478		0.00955	0.00478	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00
Xylenes, total	<0.0119		0.0239	0.0119	mg/kg dry	☼	02/29/12 10:50	03/13/12 15:55	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	92		70 - 130	02/29/12 10:50	03/13/12 15:55	1.00
Dibromofluoromethane	99		70 - 130	02/29/12 10:50	03/13/12 15:55	1.00
Toluene-d8	120		70 - 130	02/29/12 10:50	03/13/12 15:55	1.00
4-Bromofluorobenzene	132	ZX	70 - 130	02/29/12 10:50	03/13/12 15:55	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.125		0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Acenaphthylene	<0.125		0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Anthracene	<0.125		0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
<b>Benzo (a) anthracene</b>	<b>0.178</b>	<b>J</b>	0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
<b>Benzo (a) pyrene</b>	<b>0.251</b>		0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
<b>Benzo (b) fluoranthene</b>	<b>0.340</b>		0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
<b>Benzo (g,h,i) perylene</b>	<b>0.199</b>	<b>J</b>	0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
<b>Benzo (k) fluoranthene</b>	<b>0.196</b>	<b>J</b>	0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
4-Bromophenyl phenyl ether	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Butyl benzyl phthalate	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Carbazole	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
4-Chloro-3-methylphenol	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
4-Chloroaniline	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Bis(2-chloroethoxy)methane	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Bis(2-chloroethyl)ether	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Bis(2-chloroisopropyl)ether	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2-Chloronaphthalene	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2-Chlorophenol	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
4-Chlorophenyl phenyl ether	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
<b>Chrysene</b>	<b>0.229</b>	<b>J</b>	0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Dibenz (a,h) anthracene	<0.125		0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SS-1**

**Lab Sample ID: NWC0375-07**

**Date Collected: 02/29/12 10:50**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 26.7**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Di-n-butyl phthalate	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
1,4-Dichlorobenzene	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
1,2-Dichlorobenzene	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
1,3-Dichlorobenzene	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
3,3-Dichlorobenzidine	<0.614		2.45	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2,4-Dichlorophenol	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Diethyl phthalate	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2,4-Dimethylphenol	<0.706		1.23	0.706	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Dimethyl phthalate	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
4,6-Dinitro-2-methylphenol	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2,4-Dinitrophenol	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2,6-Dinitrotoluene	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2,4-Dinitrotoluene	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Di-n-octyl phthalate	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.880</b>	<b>J</b>	1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
<b>Fluoranthene</b>	<b>0.354</b>		0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Fluorene	<0.125		0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Hexachlorobenzene	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Hexachlorobutadiene	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Hexachlorocyclopentadiene	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Hexachloroethane	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
<b>Indeno (1,2,3-cd) pyrene</b>	<b>0.189</b>	<b>J</b>	0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Isophorone	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2-Methylnaphthalene	<0.125		0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2-Methylphenol	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
3/4-Methylphenol	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Naphthalene	<0.125		0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
3-Nitroaniline	<0.614		3.06	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2-Nitroaniline	<0.614		3.06	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
4-Nitroaniline	<0.614		3.06	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Nitrobenzene	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
4-Nitrophenol	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2-Nitrophenol	<0.721		1.23	0.721	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
N-Nitrosodiphenylamine	<0.673		1.23	0.673	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
N-Nitrosodi-n-propylamine	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Pentachlorophenol	<0.614		3.06	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Phenanthrene	<0.125		0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Phenol	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
<b>Pyrene</b>	<b>0.281</b>		0.246	0.125	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
1,2,4-Trichlorobenzene	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2,4,6-Trichlorophenol	<0.614		1.23	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
2,4,5-Trichlorophenol	<0.614		3.06	0.614	mg/kg dry	☼	03/05/12 05:30	03/06/12 01:39	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	65		18 - 120				03/05/12 05:30	03/06/12 01:39	1.00
2,4,6-Tribromophenol	50		19 - 120				03/05/12 05:30	03/06/12 01:39	1.00
Phenol-d5	60		18 - 120				03/05/12 05:30	03/06/12 01:39	1.00
2-Fluorobiphenyl	54		14 - 120				03/05/12 05:30	03/06/12 01:39	1.00
2-Fluorophenol	55		17 - 120				03/05/12 05:30	03/06/12 01:39	1.00
Nitrobenzene-d5	55		17 - 120				03/05/12 05:30	03/06/12 01:39	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SS-1**

**Lab Sample ID: NWC0375-07**

Date Collected: 02/29/12 10:50

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 26.7

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14200		72.7	36.4	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Antimony	<18.2		36.4	18.2	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Arsenic	5.74		3.64	1.82	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Barium	80.4		7.27	3.64	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Beryllium	<1.82		3.64	1.82	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Cadmium	3.78		3.64	1.82	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Calcium	185000		364	182	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Chromium	107		3.64	1.82	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Cobalt	<5.45		10.9	5.45	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Copper	51.4		7.27	3.64	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Iron	15600 B		36.4	18.2	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Lead	130		3.64	1.82	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Magnesium	3290		364	182	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Manganese	194		10.9	5.45	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Nickel	14.7		7.27	3.64	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Potassium	1090		364	182	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Selenium	<3.64		7.27	3.64	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Silver	<1.82		3.64	1.82	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Sodium	<364		727	364	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Thallium	<3.64		7.27	3.64	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Vanadium	30.5 J		36.4	18.2	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00
Zinc	664		36.4	18.2	mg/kg dry	☼	03/06/12 10:09	03/14/12 01:36	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25	J	0.36	0.18	mg/kg dry	☼	03/05/12 14:30	03/06/12 11:25	1.0

**Method: subcontract - Subcontracted Analysis**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	0.00				%		03/23/12 13:44	03/23/12 13:45	1.00

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	26.7		0.500	0.500	%		03/05/12 11:46	03/06/12 09:34	1.00

**Client Sample ID: Tract 37 SW-1**

**Lab Sample ID: NWC0375-08**

Date Collected: 02/29/12 11:10

Matrix: Ground Water

Date Received: 03/02/12 08:20

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SW-1**

**Lab Sample ID: NWC0375-08**

**Date Collected: 02/29/12 11:10**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,1,1-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Methyl Acetate	<5.00	L2	10.0	5.00	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,1,1,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 14:04	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/06/12 10:23	03/06/12 14:04	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	92		70 - 130	03/06/12 10:23	03/06/12 14:04	1.00
Dibromofluoromethane	93		70 - 130	03/06/12 10:23	03/06/12 14:04	1.00
Toluene-d8	95		70 - 130	03/06/12 10:23	03/06/12 14:04	1.00
4-Bromofluorobenzene	100		70 - 130	03/06/12 10:23	03/06/12 14:04	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Acenaphthylene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Anthracene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SW-1**

**Lab Sample ID: NWC0375-08**

**Date Collected: 02/29/12 11:10**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo (a) anthracene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Benzo (a) pyrene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Benzo (b) fluoranthene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Benzo (g,h,i) perylene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Benzo (k) fluoranthene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
4-Bromophenyl phenyl ether	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Butyl benzyl phthalate	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Carbazole	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
4-Chloro-3-methylphenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
4-Chloroaniline	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Bis(2-chloroethoxy)methane	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Bis(2-chloroethyl)ether	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Bis(2-chloroisopropyl)ether	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
2-Chloronaphthalene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
2-Chlorophenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
4-Chlorophenyl phenyl ether	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Chrysene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Dibenz (a,h) anthracene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Dibenzofuran	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Di-n-butyl phthalate	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
1,4-Dichlorobenzene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
1,2-Dichlorobenzene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
1,3-Dichlorobenzene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
3,3-Dichlorobenzidine	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
2,4-Dichlorophenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Diethyl phthalate	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
2,4-Dimethylphenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Dimethyl phthalate	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
4,6-Dinitro-2-methylphenol	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
2,4-Dinitrophenol	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
2,6-Dinitrotoluene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
2,4-Dinitrotoluene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Di-n-octyl phthalate	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Bis(2-ethylhexyl)phthalate	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Fluoranthene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Fluorene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Hexachlorobenzene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Hexachlorobutadiene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Hexachlorocyclopentadiene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Hexachloroethane	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Indeno (1,2,3-cd) pyrene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Isophorone	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
2-Methylnaphthalene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
2-Methylphenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Naphthalene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
3/4-Methylphenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
3-Nitroaniline	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
2-Nitroaniline	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
4-Nitroaniline	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Nitrobenzene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
4-Nitrophenol	<4.76		23.8	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SW-1**

**Lab Sample ID: NWC0375-08**

**Date Collected: 02/29/12 11:10**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
N-Nitrosodiphenylamine	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
N-Nitrosodi-n-propylamine	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Pentachlorophenol	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Phenanthrene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Phenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
Pyrene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
1,2,4-Trichlorobenzene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
2,4,6-Trichlorophenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
2,4,5-Trichlorophenol	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/04/12 00:21	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>Terphenyl-d14</i>	74		13 - 120				03/03/12 11:00	03/04/12 00:21	1.00
<i>2,4,6-Tribromophenol</i>	47		10 - 120				03/03/12 11:00	03/04/12 00:21	1.00
<i>Phenol-d5</i>	18		10 - 120				03/03/12 11:00	03/04/12 00:21	1.00
<i>2-Fluorobiphenyl</i>	68		29 - 120				03/03/12 11:00	03/04/12 00:21	1.00
<i>2-Fluorophenol</i>	26		10 - 120				03/03/12 11:00	03/04/12 00:21	1.00
<i>Nitrobenzene-d5</i>	70		27 - 120				03/03/12 11:00	03/04/12 00:21	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.500	P7	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Antimony	<0.0500	P7	0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Arsenic	<0.0500	P7	0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
<b>Barium</b>	<b>0.0500</b>	<b>P7 J</b>	0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Beryllium	<0.0200	P7	0.0400	0.0200	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Cadmium	<0.00600	P7	0.0100	0.00600	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
<b>Calcium</b>	<b>98.8</b>	<b>P7</b>	10.0	5.00	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Chromium	<0.0250	P7	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Cobalt	<0.100	P7	0.200	0.100	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Copper	<0.0500	P7	0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Iron	<0.250	P7	0.500	0.250	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Lead	<0.0250	P7	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Magnesium	<5.00	P7	10.0	5.00	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Manganese	<0.0750	P7	0.150	0.0750	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Nickel	<0.0500	P7	0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
<b>Potassium</b>	<b>10.4</b>	<b>P7</b>	10.0	5.00	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Selenium	<0.0500	P7	0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Silver	<0.0250	P7	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
<b>Sodium</b>	<b>16.4</b>	<b>P7</b>	10.0	5.00	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Thallium	<0.0500	P7	0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Vanadium	<0.100	P7	0.200	0.100	mg/L		03/11/12 11:52	03/12/12 16:43	1.00
Zinc	<0.250	P7	0.500	0.250	mg/L		03/11/12 11:52	03/12/12 16:43	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
<b>Barium</b>	<b>0.0426</b>		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/11/12 11:40	03/13/12 20:28	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 SW-1**

**Lab Sample ID: NWC0375-08**

Date Collected: 02/29/12 11:10

Matrix: Ground Water

Date Received: 03/02/12 08:20

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	74.9		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Copper	0.00730	J B	0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Iron	0.111		0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Magnesium	3.82		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Manganese	0.0430		0.0150	0.00750	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Potassium	6.45		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Sodium	7.32		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 20:28	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 20:28	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		03/07/12 12:20	03/07/12 15:31	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/05/12 11:40	03/06/12 14:39	1.00

**Method: subcontract - Subcontracted Analysis**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	0.00				%		03/23/12 13:44	03/23/12 13:45	1.00

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC0375-09**

Date Collected: 02/29/12 00:01

Matrix: Water

Date Received: 03/02/12 08:20

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC0375-09**

Date Collected: 02/29/12 00:01

Matrix: Water

Date Received: 03/02/12 08:20

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Methyl Acetate	<5.00	L2	10.0	5.00	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:09	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/05/12 16:32	03/05/12 21:09	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	90		70 - 130	03/05/12 16:32	03/05/12 21:09	1.00
Dibromofluoromethane	95		70 - 130	03/05/12 16:32	03/05/12 21:09	1.00
Toluene-d8	96		70 - 130	03/05/12 16:32	03/05/12 21:09	1.00
4-Bromofluorobenzene	107		70 - 130	03/05/12 16:32	03/05/12 21:09	1.00

**Client Sample ID: Trip Blank 2**

**Lab Sample ID: NWC0375-10**

Date Collected: 02/29/12 00:01

Matrix: Water

Date Received: 03/02/12 08:20

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Trip Blank 2**

**Lab Sample ID: NWC0375-10**

**Date Collected: 02/29/12 00:01**

**Matrix: Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,1,2-Trifluorotrichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Methyl Acetate	<5.00	L2	10.0	5.00	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/05/12 16:32	03/05/12 21:37	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	90		70 - 130				03/05/12 16:32	03/05/12 21:37	1.00
Dibromofluoromethane	94		70 - 130				03/05/12 16:32	03/05/12 21:37	1.00
Toluene-d8	96		70 - 130				03/05/12 16:32	03/05/12 21:37	1.00
4-Bromofluorobenzene	107		70 - 130				03/05/12 16:32	03/05/12 21:37	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Trip Blank 3**

**Lab Sample ID: NWC0375-11**

**Date Collected: 02/29/12 00:01**

**Matrix: Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,1,2-Trifluoro-trichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Methyl Acetate	<5.00	L2	10.0	5.00	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 22:05	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/05/12 16:32	03/05/12 22:05	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Trip Blank 3**

**Lab Sample ID: NWC0375-11**

**Date Collected: 02/29/12 00:01**

**Matrix: Water**

**Date Received: 03/02/12 08:20**

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4	92		70 - 130	03/05/12 16:32	03/05/12 22:05	1.00
Dibromofluoromethane	94		70 - 130	03/05/12 16:32	03/05/12 22:05	1.00
Toluene-d8	96		70 - 130	03/05/12 16:32	03/05/12 22:05	1.00
4-Bromofluorobenzene	106		70 - 130	03/05/12 16:32	03/05/12 22:05	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 12C0564-BLK1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,1,2-Trifluorotrchloroethane	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0564-BLK1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		70 - 130	03/03/12 09:18	03/07/12 13:39	1.00
Dibromofluoromethane	105		70 - 130	03/03/12 09:18	03/07/12 13:39	1.00
Toluene-d8	108		70 - 130	03/03/12 09:18	03/07/12 13:39	1.00
4-Bromofluorobenzene	98		70 - 130	03/03/12 09:18	03/07/12 13:39	1.00

**Lab Sample ID: 12C0564-BS1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	281		ug/kg		112	51 - 149
Benzene	50.0	53.9		ug/kg		108	75 - 127
Bromochloromethane	50.0	54.8		ug/kg		110	70 - 132
Bromodichloromethane	50.0	54.4		ug/kg		109	68 - 135
Bromoform	50.0	53.2		ug/kg		106	36 - 150
Bromomethane	50.0	62.1		ug/kg		124	43 - 142
2-Butanone	250	302		ug/kg		121	61 - 132
Carbon disulfide	50.0	56.6		ug/kg		113	74 - 135
Carbon Tetrachloride	50.0	59.2		ug/kg		118	70 - 141
Chlorobenzene	50.0	53.6		ug/kg		107	84 - 125
Chlorodibromomethane	50.0	58.5		ug/kg		117	66 - 134
Chloroethane	50.0	49.2		ug/kg		98	53 - 144
Chloroform	50.0	54.2		ug/kg		108	76 - 130
Chloromethane	50.0	38.0		ug/kg		76	23 - 150
Cyclohexane	50.0	53.5		ug/kg		107	70 - 133
1,2-Dibromo-3-chloropropane	50.0	54.9		ug/kg		110	49 - 142
1,2-Dibromoethane (EDB)	50.0	57.3		ug/kg		115	80 - 135
Methylcyclohexane	50.0	53.2		ug/kg		106	69 - 140
1,2-Dichlorobenzene	50.0	55.5		ug/kg		111	80 - 134
1,3-Dichlorobenzene	50.0	54.4		ug/kg		109	79 - 137
1,4-Dichlorobenzene	50.0	55.1		ug/kg		110	77 - 139
Dichlorodifluoromethane	50.0	34.7		ug/kg		69	12 - 144
1,2-Dichloroethane	50.0	54.9		ug/kg		110	65 - 134
1,1-Dichloroethane	50.0	56.1		ug/kg		112	75 - 124
1,1-Dichloroethene	50.0	52.6		ug/kg		105	75 - 131
trans-1,2-Dichloroethene	50.0	56.6		ug/kg		113	76 - 128
1,1,2-Trifluoroethane	50.0	53.3		ug/kg		107	67 - 136
cis-1,2-Dichloroethene	50.0	56.3		ug/kg		113	75 - 125
1,2-Dichloropropane	50.0	52.3		ug/kg		105	69 - 120
trans-1,3-Dichloropropene	50.0	58.9		ug/kg		118	62 - 139
cis-1,3-Dichloropropene	50.0	78.4	L1	ug/kg		157	73 - 148
Ethylbenzene	50.0	54.3		ug/kg		109	80 - 134
2-Hexanone	250	314		ug/kg		126	57 - 148
Isopropylbenzene	50.0	58.4		ug/kg		117	80 - 150
Methyl Acetate	50.0	45.3		ug/kg		91	11 - 170
Methyl tert-Butyl Ether	50.0	55.0		ug/kg		110	70 - 136

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0564-BS1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	50.0	56.8		ug/kg		114	68 - 144	
4-Methyl-2-pentanone	250	360	L1	ug/kg		144	59 - 138	
Styrene	50.0	55.0		ug/kg		110	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	58.7		ug/kg		117	66 - 134	
Tetrachloroethene	50.0	49.2		ug/kg		98	78 - 140	
Toluene	50.0	56.6		ug/kg		113	80 - 132	
1,2,4-Trichlorobenzene	50.0	50.8		ug/kg		102	62 - 150	
1,2,3-Trichlorobenzene	50.0	51.3		ug/kg		103	70 - 150	
1,1,1-Trichloroethane	50.0	56.2		ug/kg		112	72 - 140	
1,1,2-Trichloroethane	50.0	55.3		ug/kg		111	78 - 128	
Trichloroethene	50.0	53.1		ug/kg		106	77 - 127	
Trichlorofluoromethane	50.0	44.4		ug/kg		89	50 - 140	
Vinyl chloride	50.0	46.0		ug/kg		92	47 - 136	
Xylenes, total	150	160		ug/kg		106	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	116		70 - 130
Dibromofluoromethane	106		70 - 130
Toluene-d8	108		70 - 130
4-Bromofluorobenzene	99		70 - 130

**Lab Sample ID: 12C0564-MS1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Acetone	<0.0277		0.319	0.337		mg/kg dry	☼	106	19 - 175	
Benzene	0.0156		0.0637	0.0624		mg/kg dry	☼	73	31 - 143	
Bromochloromethane	<0.00133		0.0637	0.0568		mg/kg dry	☼	89	31 - 141	
Bromodichloromethane	<0.00111		0.0637	0.0564		mg/kg dry	☼	89	19 - 148	
Bromoform	<0.00111		0.0637	0.0519		mg/kg dry	☼	81	10 - 165	
Bromomethane	<0.00133		0.0637	0.0596		mg/kg dry	☼	93	10 - 164	
2-Butanone	<0.0277		0.319	0.333		mg/kg dry	☼	104	18 - 153	
Carbon disulfide	<0.00399		0.0637	0.0532		mg/kg dry	☼	83	32 - 144	
Carbon Tetrachloride	<0.00111		0.0637	0.0611		mg/kg dry	☼	96	31 - 149	
Chlorobenzene	<0.00122		0.0637	0.0514		mg/kg dry	☼	81	25 - 152	
Chlorodibromomethane	<0.00111		0.0637	0.0596		mg/kg dry	☼	94	14 - 146	
Chloroethane	<0.00277		0.0637	0.0513		mg/kg dry	☼	80	10 - 151	
Chloroform	<0.00144		0.0637	0.0575		mg/kg dry	☼	90	34 - 160	
Chloromethane	<0.00122		0.0637	0.0447		mg/kg dry	☼	70	10 - 156	
Cyclohexane	0.00641		0.0637	0.0569		mg/kg dry	☼	79	32 - 158	
1,2-Dibromo-3-chloropropane	<0.00277		0.0637	0.0507		mg/kg dry	☼	80	10 - 147	
1,2-Dibromoethane (EDB)	<0.00111		0.0637	0.0556		mg/kg dry	☼	87	18 - 156	
Methylcyclohexane	0.00689		0.0637	0.0536		mg/kg dry	☼	73	29 - 167	
1,2-Dichlorobenzene	<0.00111		0.0637	0.0484		mg/kg dry	☼	76	10 - 160	
1,3-Dichlorobenzene	<0.00133		0.0637	0.0481		mg/kg dry	☼	75	10 - 162	
1,4-Dichlorobenzene	<0.00122		0.0637	0.0488		mg/kg dry	☼	77	11 - 159	
Dichlorodifluoromethane	<0.00155		0.0637	0.0370		mg/kg dry	☼	58	10 - 143	
1,2-Dichloroethane	<0.00122		0.0637	0.0590		mg/kg dry	☼	93	28 - 138	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0564-MS1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,1-Dichloroethane	<0.00144		0.0637	0.0589		mg/kg dry	*	92	42 - 136	
1,1-Dichloroethene	<0.00133		0.0637	0.0534		mg/kg dry	*	84	41 - 143	
trans-1,2-Dichloroethene	<0.00144		0.0637	0.0577		mg/kg dry	*	91	39 - 140	
1,1,2-Trifluorotrchloroethane	<0.00122		0.0637	0.0561		mg/kg dry	*	88	42 - 147	
cis-1,2-Dichloroethene	<0.00122		0.0637	0.0576		mg/kg dry	*	90	36 - 139	
1,2-Dichloropropane	<0.00111		0.0637	0.0551		mg/kg dry	*	86	20 - 146	
trans-1,3-Dichloropropene	<0.00111		0.0637	0.0567		mg/kg dry	*	89	10 - 157	
cis-1,3-Dichloropropene	<0.00111		0.0637	0.0706		mg/kg dry	*	111	15 - 166	
Ethylbenzene	0.00163		0.0637	0.0541		mg/kg dry	*	82	23 - 161	
2-Hexanone	<0.0277		0.319	0.337		mg/kg dry	*	106	10 - 169	
Isopropylbenzene	<0.00122		0.0637	0.0561		mg/kg dry	*	88	23 - 181	
Methyl Acetate	<0.00554		0.0637	0.0470		mg/kg dry	*	74	10 - 200	
Methyl tert-Butyl Ether	<0.00111		0.0637	0.0579		mg/kg dry	*	91	28 - 141	
Methylene Chloride	<0.00554		0.0637	0.0657		mg/kg dry	*	103	24 - 182	
4-Methyl-2-pentanone	<0.0277		0.319	0.343		mg/kg dry	*	108	10 - 168	
Styrene	<0.00122		0.0637	0.0294		mg/kg dry	*	46	10 - 165	
1,1,2,2-Tetrachloroethane	<0.00111		0.0637	0.0657		mg/kg dry	*	103	10 - 162	
Tetrachloroethene	<0.00144		0.0637	0.0490		mg/kg dry	*	77	33 - 161	
Toluene	0.00628		0.0637	0.0607		mg/kg dry	*	85	30 - 155	
1,2,4-Trichlorobenzene	<0.00133		0.0637	0.0297		mg/kg dry	*	47	10 - 167	
1,2,3-Trichlorobenzene	<0.00122		0.0637	0.0277		mg/kg dry	*	43	10 - 157	
1,1,1-Trichloroethane	<0.00111		0.0637	0.0592		mg/kg dry	*	93	35 - 149	
1,1,2-Trichloroethane	<0.00277		0.0637	0.0582		mg/kg dry	*	91	19 - 157	
Trichloroethene	<0.00111		0.0637	0.0539		mg/kg dry	*	84	27 - 153	
Trichlorofluoromethane	<0.00111		0.0637	0.0467		mg/kg dry	*	73	25 - 137	
Vinyl chloride	<0.00111		0.0637	0.0475		mg/kg dry	*	74	20 - 141	
Xylenes, total	0.00308		0.191	0.158		mg/kg dry	*	81	25 - 162	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
1,2-Dichloroethane-d4	111		70 - 130
Dibromofluoromethane	106		70 - 130
Toluene-d8	112		70 - 130
4-Bromofluorobenzene	106		70 - 130

**Lab Sample ID: 12C0564-MSD1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	<0.0277		0.309	0.324		mg/kg dry	*	105	19 - 175	4	50	
Benzene	0.0156		0.0618	0.0597		mg/kg dry	*	71	31 - 143	4	50	
Bromochloromethane	<0.00133		0.0618	0.0498		mg/kg dry	*	81	31 - 141	13	50	
Bromodichloromethane	<0.00111		0.0618	0.0497		mg/kg dry	*	80	19 - 148	13	50	
Bromoform	<0.00111		0.0618	0.0437		mg/kg dry	*	71	10 - 165	17	50	
Bromomethane	<0.00133		0.0618	0.0504		mg/kg dry	*	81	10 - 164	17	50	
2-Butanone	<0.0277		0.309	0.296		mg/kg dry	*	96	18 - 153	12	50	
Carbon disulfide	<0.00399		0.0618	0.0471		mg/kg dry	*	76	32 - 144	12	50	
Carbon Tetrachloride	<0.00111		0.0618	0.0543		mg/kg dry	*	88	31 - 149	12	50	
Chlorobenzene	<0.00122		0.0618	0.0435		mg/kg dry	*	70	25 - 152	17	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 12C0564-MSD1

Matrix: Soil

Analysis Batch: V003972

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 12C0564\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
Chlorodibromomethane	<0.00111		0.0618	0.0509		mg/kg dry	*	82	14 - 146	16	50	
Chloroethane	<0.00277		0.0618	0.0446		mg/kg dry	*	72	10 - 151	14	50	
Chloroform	<0.00144		0.0618	0.0499		mg/kg dry	*	81	34 - 160	14	49	
Chloromethane	<0.00122		0.0618	0.0365		mg/kg dry	*	59	10 - 156	20	50	
Cyclohexane	0.00641		0.0618	0.0507		mg/kg dry	*	72	32 - 158	12	50	
1,2-Dibromo-3-chloropropane	<0.00277		0.0618	0.0430		mg/kg dry	*	70	10 - 147	16	50	
1,2-Dibromoethane (EDB)	<0.00111		0.0618	0.0482		mg/kg dry	*	78	18 - 156	14	50	
Methylcyclohexane	0.00689		0.0618	0.0484		mg/kg dry	*	67	29 - 167	10	50	
1,2-Dichlorobenzene	<0.00111		0.0618	0.0403		mg/kg dry	*	65	10 - 160	18	50	
1,3-Dichlorobenzene	<0.00133		0.0618	0.0422		mg/kg dry	*	68	10 - 162	13	50	
1,4-Dichlorobenzene	<0.00122		0.0618	0.0424		mg/kg dry	*	69	11 - 159	14	50	
Dichlorodifluoromethane	<0.00155		0.0618	0.0313		mg/kg dry	*	51	10 - 143	17	50	
1,2-Dichloroethane	<0.00122		0.0618	0.0514		mg/kg dry	*	83	28 - 138	14	50	
1,1-Dichloroethane	<0.00144		0.0618	0.0524		mg/kg dry	*	85	42 - 136	12	50	
1,1-Dichloroethene	<0.00133		0.0618	0.0472		mg/kg dry	*	76	41 - 143	12	50	
trans-1,2-Dichloroethene	<0.00144		0.0618	0.0470		mg/kg dry	*	76	39 - 140	20	50	
1,1,2-Trifluoroethane	<0.00122		0.0618	0.0493		mg/kg dry	*	80	42 - 147	13	50	
cis-1,2-Dichloroethene	<0.00122		0.0618	0.0510		mg/kg dry	*	82	36 - 139	12	50	
1,2-Dichloropropane	<0.00111		0.0618	0.0488		mg/kg dry	*	79	20 - 146	12	50	
trans-1,3-Dichloropropene	<0.00111		0.0618	0.0478		mg/kg dry	*	77	10 - 157	17	50	
cis-1,3-Dichloropropene	<0.00111		0.0618	0.0591		mg/kg dry	*	96	15 - 166	18	50	
Ethylbenzene	0.00163		0.0618	0.0451		mg/kg dry	*	70	23 - 161	18	50	
2-Hexanone	<0.0277		0.309	0.296		mg/kg dry	*	96	10 - 169	13	50	
Isopropylbenzene	<0.00122		0.0618	0.0485		mg/kg dry	*	79	23 - 181	14	50	
Methyl Acetate	<0.00554		0.0618	0.0369		mg/kg dry	*	60	10 - 200	24	50	
Methyl tert-Butyl Ether	<0.00111		0.0618	0.0511		mg/kg dry	*	83	28 - 141	12	50	
Methylene Chloride	<0.00554		0.0618	0.0577		mg/kg dry	*	93	24 - 182	13	50	
4-Methyl-2-pentanone	<0.0277		0.309	0.356		mg/kg dry	*	115	10 - 168	4	50	
Styrene	<0.00122		0.0618	0.0252		mg/kg dry	*	41	10 - 165	15	50	
1,1,2,2-Tetrachloroethane	<0.00111		0.0618	0.0573		mg/kg dry	*	93	10 - 162	14	50	
Tetrachloroethene	<0.00144		0.0618	0.0427		mg/kg dry	*	69	33 - 161	14	50	
Toluene	0.00628		0.0618	0.0524		mg/kg dry	*	75	30 - 155	15	50	
1,2,4-Trichlorobenzene	<0.00133		0.0618	0.0250		mg/kg dry	*	40	10 - 167	17	50	
1,2,3-Trichlorobenzene	<0.00122		0.0618	0.0230		mg/kg dry	*	37	10 - 157	18	50	
1,1,1-Trichloroethane	<0.00111		0.0618	0.0512		mg/kg dry	*	83	35 - 149	15	50	
1,1,2-Trichloroethane	<0.00277		0.0618	0.0496		mg/kg dry	*	80	19 - 157	16	50	
Trichloroethene	<0.00111		0.0618	0.0456		mg/kg dry	*	74	27 - 153	17	50	
Trichlorofluoromethane	<0.00111		0.0618	0.0412		mg/kg dry	*	67	25 - 137	13	50	
Vinyl chloride	<0.00111		0.0618	0.0417		mg/kg dry	*	68	20 - 141	13	50	
Xylenes, total	0.00308		0.185	0.134		mg/kg dry	*	70	25 - 162	17	50	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	110		70 - 130
Dibromofluoromethane	107		70 - 130
Toluene-d8	111		70 - 130
4-Bromofluorobenzene	109		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0591-BLK1**

**Matrix: Water**

**Analysis Batch: V003948**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0591\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/06/12 21:53	03/07/12 02:03	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0591-BLK1**

**Matrix: Water**

**Analysis Batch: V003948**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0591\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<1.50		3.00	1.50	ug/L		03/06/12 21:53	03/07/12 02:03	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	89		70 - 130	03/06/12 21:53	03/07/12 02:03	1.00
Dibromofluoromethane	94		70 - 130	03/06/12 21:53	03/07/12 02:03	1.00
Toluene-d8	95		70 - 130	03/06/12 21:53	03/07/12 02:03	1.00
4-Bromofluorobenzene	94		70 - 130	03/06/12 21:53	03/07/12 02:03	1.00

**Lab Sample ID: 12C0591-BS1**

**Matrix: Water**

**Analysis Batch: V003948**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0591\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	230		ug/L		92	54 - 145
Benzene	50.0	48.6		ug/L		97	80 - 121
Bromochloromethane	50.0	50.1		ug/L		100	78 - 129
Bromodichloromethane	50.0	44.0		ug/L		88	75 - 129
Bromoform	50.0	41.3		ug/L		83	46 - 145
Bromomethane	50.0	41.3		ug/L		83	41 - 150
2-Butanone	250	234		ug/L		93	62 - 133
Carbon disulfide	50.0	47.2		ug/L		94	77 - 126
Carbon Tetrachloride	50.0	45.5		ug/L		91	64 - 147
Chlorobenzene	50.0	49.5		ug/L		99	80 - 120
Chlorodibromomethane	50.0	44.4		ug/L		89	69 - 133
Chloroethane	50.0	46.3		ug/L		93	72 - 120
Chloroform	50.0	47.6		ug/L		95	73 - 129
Chloromethane	50.0	32.3		ug/L		65	12 - 150
Cyclohexane	50.0	48.6		ug/L		97	73 - 122
1,2-Dibromo-3-chloropropane	50.0	45.5		ug/L		91	54 - 125
1,2-Dibromoethane (EDB)	50.0	48.9		ug/L		98	80 - 129
Methylcyclohexane	50.0	53.7		ug/L		107	71 - 129
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	80 - 121
1,3-Dichlorobenzene	50.0	52.0		ug/L		104	80 - 122
1,4-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 120
Dichlorodifluoromethane	50.0	55.6		ug/L		111	37 - 127
1,2-Dichloroethane	50.0	43.9		ug/L		88	77 - 121
1,1-Dichloroethane	50.0	44.0		ug/L		88	78 - 125
1,1-Dichloroethene	50.0	52.6		ug/L		105	79 - 124
trans-1,2-Dichloroethene	50.0	45.3		ug/L		91	79 - 126
1,1,2-Trifluoro-trichloroethane	50.0	50.1		ug/L		100	77 - 129
cis-1,2-Dichloroethene	50.0	45.4		ug/L		91	76 - 125
1,2-Dichloropropane	50.0	43.4		ug/L		87	75 - 120
trans-1,3-Dichloropropene	50.0	41.9		ug/L		84	63 - 134
cis-1,3-Dichloropropene	50.0	46.8		ug/L		94	74 - 140
Ethylbenzene	50.0	51.9		ug/L		104	80 - 130
2-Hexanone	250	250		ug/L		100	60 - 142
Isopropylbenzene	50.0	57.9		ug/L		116	80 - 141
Methyl Acetate	50.0	25.9	L2	ug/L		52	64 - 150
Methyl tert-Butyl Ether	50.0	51.1		ug/L		102	72 - 133

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0591-BS1**

**Matrix: Water**

**Analysis Batch: V003948**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0591\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	50.0	48.2		ug/L		96	79 - 123	
4-Methyl-2-pentanone	250	247		ug/L		99	60 - 137	
Styrene	50.0	52.6		ug/L		105	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	50.6		ug/L		101	69 - 131	
Tetrachloroethene	50.0	52.3		ug/L		105	80 - 126	
Toluene	50.0	51.4		ug/L		103	80 - 126	
1,2,4-Trichlorobenzene	50.0	52.4		ug/L		105	63 - 133	
1,2,3-Trichlorobenzene	50.0	52.7		ug/L		105	62 - 133	
1,1,1-Trichloroethane	50.0	50.4		ug/L		101	78 - 135	
1,1,2-Trichloroethane	50.0	51.5		ug/L		103	80 - 124	
Trichloroethene	50.0	52.4		ug/L		105	80 - 123	
Trichlorofluoromethane	50.0	45.8		ug/L		92	65 - 124	
Vinyl chloride	50.0	48.8		ug/L		98	68 - 120	
Xylenes, total	150	153		ug/L		102	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	87		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	96		70 - 130
4-Bromofluorobenzene	96		70 - 130

**Lab Sample ID: 12C0591-BSD1**

**Matrix: Water**

**Analysis Batch: V003948**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0591\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Acetone	250	276		ug/L		110	54 - 145	18	21	
Benzene	50.0	46.2		ug/L		92	80 - 121	5	17	
Bromochloromethane	50.0	48.4		ug/L		97	78 - 129	4	17	
Bromodichloromethane	50.0	42.1		ug/L		84	75 - 129	5	18	
Bromoform	50.0	39.6		ug/L		79	46 - 145	4	16	
Bromomethane	50.0	39.2		ug/L		78	41 - 150	5	50	
2-Butanone	250	233		ug/L		93	62 - 133	0.3	19	
Carbon disulfide	50.0	45.2		ug/L		90	77 - 126	4	21	
Carbon Tetrachloride	50.0	43.5		ug/L		87	64 - 147	4	19	
Chlorobenzene	50.0	47.9		ug/L		96	80 - 120	3	14	
Chlorodibromomethane	50.0	43.0		ug/L		86	69 - 133	3	15	
Chloroethane	50.0	44.0		ug/L		88	72 - 120	5	20	
Chloroform	50.0	44.9		ug/L		90	73 - 129	6	18	
Chloromethane	50.0	30.8		ug/L		62	12 - 150	5	31	
Cyclohexane	50.0	46.0		ug/L		92	73 - 122	5	16	
1,2-Dibromo-3-chloropropane	50.0	43.7		ug/L		87	54 - 125	4	24	
1,2-Dibromoethane (EDB)	50.0	47.7		ug/L		95	80 - 129	2	15	
Methylcyclohexane	50.0	51.4		ug/L		103	71 - 129	4	19	
1,2-Dichlorobenzene	50.0	51.1		ug/L		102	80 - 121	3	15	
1,3-Dichlorobenzene	50.0	50.2		ug/L		100	80 - 122	3	15	
1,4-Dichlorobenzene	50.0	50.2		ug/L		100	80 - 120	2	15	
Dichlorodifluoromethane	50.0	53.1		ug/L		106	37 - 127	5	18	
1,2-Dichloroethane	50.0	41.9		ug/L		84	77 - 121	5	17	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0591-BSD1**

**Matrix: Water**

**Analysis Batch: V003948**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0591\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,1-Dichloroethane	50.0	41.7		ug/L		83	78 - 125	5	17	
1,1-Dichloroethene	50.0	50.4		ug/L		101	79 - 124	4	17	
trans-1,2-Dichloroethene	50.0	43.1		ug/L		86	79 - 126	5	16	
1,1,2-Trifluorotrichloroethane	50.0	47.9		ug/L		96	77 - 129	4	18	
cis-1,2-Dichloroethene	50.0	43.2		ug/L		86	76 - 125	5	17	
1,2-Dichloropropane	50.0	41.8		ug/L		84	75 - 120	4	17	
trans-1,3-Dichloropropene	50.0	40.8		ug/L		82	63 - 134	3	14	
cis-1,3-Dichloropropene	50.0	44.7		ug/L		89	74 - 140	5	15	
Ethylbenzene	50.0	50.3		ug/L		101	80 - 130	3	15	
2-Hexanone	250	254		ug/L		101	60 - 142	1	15	
Isopropylbenzene	50.0	56.8		ug/L		114	80 - 141	2	16	
Methyl Acetate	50.0	25.2	L2	ug/L		50	64 - 150	3	31	
Methyl tert-Butyl Ether	50.0	48.9		ug/L		98	72 - 133	4	16	
Methylene Chloride	50.0	46.7		ug/L		93	79 - 123	3	17	
4-Methyl-2-pentanone	250	240		ug/L		96	60 - 137	3	17	
Styrene	50.0	51.6		ug/L		103	80 - 127	2	24	
1,1,2,2-Tetrachloroethane	50.0	47.0		ug/L		94	69 - 131	7	20	
Tetrachloroethene	50.0	50.6		ug/L		101	80 - 126	3	16	
Toluene	50.0	49.3		ug/L		99	80 - 126	4	15	
1,2,4-Trichlorobenzene	50.0	51.1		ug/L		102	63 - 133	3	19	
1,2,3-Trichlorobenzene	50.0	50.8		ug/L		102	62 - 133	4	25	
1,1,1-Trichloroethane	50.0	47.6		ug/L		95	78 - 135	6	17	
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	80 - 124	3	15	
Trichloroethene	50.0	51.7		ug/L		103	80 - 123	1	17	
Trichlorofluoromethane	50.0	44.2		ug/L		88	65 - 124	4	18	
Vinyl chloride	50.0	47.0		ug/L		94	68 - 120	4	17	
Xylenes, total	150	149		ug/L		100	80 - 132	2	15	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	85		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8	96		70 - 130
4-Bromofluorobenzene	95		70 - 130

**Lab Sample ID: 12C0591-MS1**

**Matrix: Water**

**Analysis Batch: V003948**

**Client Sample ID: Tract 37 TW-1 (20-24)**

**Prep Type: Total**

**Prep Batch: 12C0591\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	ND		5000	4670		ug/L		93	45 - 141	
Benzene	ND		1000	926		ug/L		93	75 - 133	
Bromochloromethane	ND		1000	988		ug/L		99	67 - 139	
Bromodichloromethane	ND		1000	872		ug/L		87	70 - 140	
Bromoform	ND		1000	857		ug/L		86	42 - 147	
Bromomethane	ND		1000	726		ug/L		73	16 - 163	
2-Butanone	ND		5000	4640		ug/L		93	50 - 138	
Carbon disulfide	ND		1000	818		ug/L		82	48 - 152	
Carbon Tetrachloride	ND		1000	827		ug/L		83	62 - 164	
Chlorobenzene	ND		1000	963		ug/L		96	80 - 129	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 12C0591-MS1

Matrix: Water

Analysis Batch: V003948

Client Sample ID: Tract 37 TW-1 (20-24)

Prep Type: Total

Prep Batch: 12C0591\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Chlorodibromomethane	ND		1000	895		ug/L		90	66 - 140
Chloroethane	ND		1000	807		ug/L		81	58 - 137
Chloroform	ND		1000	919		ug/L		92	66 - 138
Chloromethane	ND		1000	572		ug/L		57	10 - 169
Cyclohexane	ND		1000	789		ug/L		79	58 - 144
1,2-Dibromo-3-chloropropane	ND		1000	920		ug/L		92	52 - 126
1,2-Dibromoethane (EDB)	ND		1000	993		ug/L		99	75 - 137
Methylcyclohexane	ND		1000	857		ug/L		86	59 - 151
1,2-Dichlorobenzene	ND		1000	1040		ug/L		104	79 - 128
1,3-Dichlorobenzene	ND		1000	1010		ug/L		101	77 - 131
1,4-Dichlorobenzene	ND		1000	1010		ug/L		101	78 - 126
Dichlorodifluoromethane	ND		1000	654		ug/L		65	40 - 127
1,2-Dichloroethane	ND		1000	874		ug/L		87	64 - 136
1,1-Dichloroethane	ND		1000	826		ug/L		83	71 - 139
1,1-Dichloroethene	ND		1000	919		ug/L		92	70 - 142
trans-1,2-Dichloroethene	ND		1000	836		ug/L		84	66 - 143
1,1,2-Trifluorotrchloroethane	ND		1000	766		ug/L		77	72 - 148
cis-1,2-Dichloroethene	588		1000	1400		ug/L		81	68 - 138
1,2-Dichloropropane	ND		1000	850		ug/L		85	67 - 131
trans-1,3-Dichloropropene	ND		1000	810		ug/L		81	59 - 135
cis-1,3-Dichloropropene	ND		1000	873		ug/L		87	71 - 141
Ethylbenzene	ND		1000	1000		ug/L		100	79 - 139
2-Hexanone	ND		5000	4980		ug/L		100	50 - 150
Isopropylbenzene	ND		1000	1110		ug/L		111	80 - 153
Methyl Acetate	ND		1000	498		ug/L		50	30 - 165
Methyl tert-Butyl Ether	ND		1000	997		ug/L		100	66 - 141
Methylene Chloride	ND		1000	933		ug/L		93	64 - 139
4-Methyl-2-pentanone	ND		5000	4930		ug/L		99	50 - 147
Styrene	ND		1000	1050		ug/L		105	61 - 148
1,1,2,2-Tetrachloroethane	ND		1000	989		ug/L		99	56 - 143
Tetrachloroethene	ND		1000	971		ug/L		97	72 - 145
Toluene	ND		1000	985		ug/L		98	75 - 136
1,2,4-Trichlorobenzene	ND		1000	997		ug/L		100	60 - 136
1,2,3-Trichlorobenzene	ND		1000	1020		ug/L		102	55 - 138
1,1,1-Trichloroethane	ND		1000	924		ug/L		92	76 - 149
1,1,2-Trichloroethane	ND		1000	1050		ug/L		105	74 - 134
Trichloroethene	23.2		1000	1000		ug/L		98	73 - 144
Trichlorofluoromethane	ND		1000	742		ug/L		74	58 - 139
Vinyl chloride	624		1000	1390		ug/L		76	56 - 129
Xylenes, total	ND		3000	2990		ug/L		100	74 - 141

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	87		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	93		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 12C0591-MSD1

Client Sample ID: Tract 37 TW-1 (20-24)

Matrix: Water

Prep Type: Total

Analysis Batch: V003948

Prep Batch: 12C0591\_P

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike	Dup	Matrix Spike	Dup	D	%Rec	%Rec.		RPD	Limit
	Result		Added	Result	Qualifier	Unit	Limits			RPD			
Acetone	ND		5000		4700		ug/L		94	45 - 141	0.5	21	
Benzene	ND		1000		986		ug/L		99	75 - 133	6	17	
Bromochloromethane	ND		1000		1010		ug/L		101	67 - 139	2	17	
Bromodichloromethane	ND		1000		895		ug/L		89	70 - 140	3	18	
Bromoform	ND		1000		852		ug/L		85	42 - 147	0.6	16	
Bromomethane	ND		1000		825		ug/L		83	16 - 163	13	50	
2-Butanone	ND		5000		4650		ug/L		93	50 - 138	0.2	19	
Carbon disulfide	ND		1000		977		ug/L		98	48 - 152	18	21	
Carbon Tetrachloride	ND		1000		955		ug/L		96	62 - 164	14	19	
Chlorobenzene	ND		1000		996		ug/L		100	80 - 129	3	14	
Chlorodibromomethane	ND		1000		898		ug/L		90	66 - 140	0.3	15	
Chloroethane	ND		1000		956		ug/L		96	58 - 137	17	20	
Chloroform	ND		1000		950		ug/L		95	66 - 138	3	18	
Chloromethane	ND		1000		693		ug/L		69	10 - 169	19	31	
Cyclohexane	ND		1000		1000	R2	ug/L		100	58 - 144	24	16	
1,2-Dibromo-3-chloropropane	ND		1000		923		ug/L		92	52 - 126	0.3	24	
1,2-Dibromoethane (EDB)	ND		1000		981		ug/L		98	75 - 137	1	15	
Methylcyclohexane	ND		1000		1090	R2	ug/L		109	59 - 151	24	19	
1,2-Dichlorobenzene	ND		1000		1060		ug/L		106	79 - 128	2	15	
1,3-Dichlorobenzene	ND		1000		1050		ug/L		105	77 - 131	4	15	
1,4-Dichlorobenzene	ND		1000		1040		ug/L		104	78 - 126	3	15	
Dichlorodifluoromethane	ND		1000		1040	R2	ug/L		104	40 - 127	45	18	
1,2-Dichloroethane	ND		1000		882		ug/L		88	64 - 136	0.9	17	
1,1-Dichloroethane	ND		1000		888		ug/L		89	71 - 139	7	17	
1,1-Dichloroethene	ND		1000		1090		ug/L		109	70 - 142	17	17	
trans-1,2-Dichloroethene	ND		1000		932		ug/L		93	66 - 143	11	16	
1,1,2-Trifluorotrchloroethane	ND		1000		998	R2	ug/L		100	72 - 148	26	18	
cis-1,2-Dichloroethene	588		1000		1450		ug/L		86	68 - 138	4	17	
1,2-Dichloropropane	ND		1000		873		ug/L		87	67 - 131	3	17	
trans-1,3-Dichloropropene	ND		1000		805		ug/L		81	59 - 135	0.6	14	
cis-1,3-Dichloropropene	ND		1000		875		ug/L		87	71 - 141	0.1	15	
Ethylbenzene	ND		1000		1060		ug/L		106	79 - 139	6	15	
2-Hexanone	ND		5000		5000		ug/L		100	50 - 150	0.4	15	
Isopropylbenzene	ND		1000		1190		ug/L		119	80 - 153	7	16	
Methyl Acetate	ND		1000		494		ug/L		49	30 - 165	0.8	31	
Methyl tert-Butyl Ether	ND		1000		1010		ug/L		101	66 - 141	1	16	
Methylene Chloride	ND		1000		972		ug/L		97	64 - 139	4	17	
4-Methyl-2-pentanone	ND		5000		4890		ug/L		98	50 - 147	0.9	17	
Styrene	ND		1000		1070		ug/L		107	61 - 148	2	24	
1,1,2,2-Tetrachloroethane	ND		1000		1010		ug/L		101	56 - 143	2	20	
Tetrachloroethene	ND		1000		1060		ug/L		106	72 - 145	9	16	
Toluene	ND		1000		1040		ug/L		104	75 - 136	5	15	
1,2,4-Trichlorobenzene	ND		1000		1040		ug/L		104	60 - 136	4	19	
1,2,3-Trichlorobenzene	ND		1000		1040		ug/L		104	55 - 138	2	25	
1,1,1-Trichloroethane	ND		1000		1040		ug/L		104	76 - 149	12	17	
1,1,2-Trichloroethane	ND		1000		1030		ug/L		103	74 - 134	2	15	
Trichloroethene	23.2		1000		1090		ug/L		107	73 - 144	9	17	
Trichlorofluoromethane	ND		1000		955	R2	ug/L		96	58 - 139	25	18	
Vinyl chloride	624		1000		1630		ug/L		101	56 - 129	16	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0591-MSD1**

**Matrix: Water**

**Analysis Batch: V003948**

**Client Sample ID: Tract 37 TW-1 (20-24)**

**Prep Type: Total**

**Prep Batch: 12C0591\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	ND		3000	3120		ug/L		104	74 - 141	4	15
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1,2-Dichloroethane-d4	87		70 - 130								
Dibromofluoromethane	99		70 - 130								
Toluene-d8	95		70 - 130								
4-Bromofluorobenzene	94		70 - 130								

**Lab Sample ID: 12C0744-BLK1**

**Matrix: Water**

**Analysis Batch: V003936**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0744\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,1,2-Trifluoroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0744-BLK1**

**Matrix: Water**

**Analysis Batch: V003936**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0744\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/05/12 16:32	03/05/12 19:46	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/05/12 16:32	03/05/12 19:46	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	89		70 - 130	03/05/12 16:32	03/05/12 19:46	1.00
Dibromofluoromethane	93		70 - 130	03/05/12 16:32	03/05/12 19:46	1.00
Toluene-d8	97		70 - 130	03/05/12 16:32	03/05/12 19:46	1.00
4-Bromofluorobenzene	107		70 - 130	03/05/12 16:32	03/05/12 19:46	1.00

**Lab Sample ID: 12C0744-BS1**

**Matrix: Water**

**Analysis Batch: V003936**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0744\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	218		ug/L		87	54 - 145
Benzene	50.0	48.9		ug/L		98	80 - 121
Bromochloromethane	50.0	49.7		ug/L		99	78 - 129
Bromodichloromethane	50.0	44.9		ug/L		90	75 - 129
Bromoform	50.0	43.3		ug/L		87	46 - 145
Bromomethane	50.0	41.3		ug/L		83	41 - 150
2-Butanone	250	222		ug/L		89	62 - 133
Carbon disulfide	50.0	49.2		ug/L		98	77 - 126
Carbon Tetrachloride	50.0	47.5		ug/L		95	64 - 147
Chlorobenzene	50.0	50.4		ug/L		101	80 - 120
Chlorodibromomethane	50.0	45.8		ug/L		92	69 - 133
Chloroethane	50.0	46.7		ug/L		93	72 - 120
Chloroform	50.0	48.1		ug/L		96	73 - 129
Chloromethane	50.0	34.5		ug/L		69	12 - 150
Cyclohexane	50.0	50.6		ug/L		101	73 - 122
1,2-Dibromo-3-chloropropane	50.0	45.2		ug/L		90	54 - 125
1,2-Dibromoethane (EDB)	50.0	49.1		ug/L		98	80 - 129
Methylcyclohexane	50.0	55.1		ug/L		110	71 - 129
1,2-Dichlorobenzene	50.0	52.5		ug/L		105	80 - 121
1,3-Dichlorobenzene	50.0	52.8		ug/L		106	80 - 122
1,4-Dichlorobenzene	50.0	52.0		ug/L		104	80 - 120
Dichlorodifluoromethane	50.0	48.8		ug/L		98	37 - 127
1,2-Dichloroethane	50.0	44.3		ug/L		89	77 - 121

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0744-BS1**

**Matrix: Water**

**Analysis Batch: V003936**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0744\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
1,1-Dichloroethane	50.0	45.2		ug/L		90	78 - 125	
1,1-Dichloroethene	50.0	53.4		ug/L		107	79 - 124	
trans-1,2-Dichloroethene	50.0	46.8		ug/L		94	79 - 126	
1,1,2-Trifluorotrchloroethane	50.0	51.5		ug/L		103	77 - 129	
cis-1,2-Dichloroethene	50.0	47.3		ug/L		95	76 - 125	
1,2-Dichloropropane	50.0	44.3		ug/L		89	75 - 120	
trans-1,3-Dichloropropene	50.0	45.1		ug/L		90	63 - 134	
cis-1,3-Dichloropropene	50.0	49.2		ug/L		98	74 - 140	
Ethylbenzene	50.0	54.0		ug/L		108	80 - 130	
2-Hexanone	250	250		ug/L		100	60 - 142	
Isopropylbenzene	50.0	60.0		ug/L		120	80 - 141	
Methyl Acetate	50.0	26.7	L2	ug/L		53	64 - 150	
Methyl tert-Butyl Ether	50.0	50.0		ug/L		100	72 - 133	
Methylene Chloride	50.0	48.9		ug/L		98	79 - 123	
4-Methyl-2-pentanone	250	249		ug/L		100	60 - 137	
Styrene	50.0	54.7		ug/L		109	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	50.7		ug/L		101	69 - 131	
Tetrachloroethene	50.0	53.0		ug/L		106	80 - 126	
Toluene	50.0	52.5		ug/L		105	80 - 126	
1,2,4-Trichlorobenzene	50.0	51.1		ug/L		102	63 - 133	
1,2,3-Trichlorobenzene	50.0	50.7		ug/L		101	62 - 133	
1,1,1-Trichloroethane	50.0	52.1		ug/L		104	78 - 135	
1,1,2-Trichloroethane	50.0	51.9		ug/L		104	80 - 124	
Trichloroethene	50.0	52.0		ug/L		104	80 - 123	
Trichlorofluoromethane	50.0	45.5		ug/L		91	65 - 124	
Vinyl chloride	50.0	48.2		ug/L		96	68 - 120	
Xylenes, total	150	160		ug/L		107	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	89		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	94		70 - 130

**Lab Sample ID: 12C0744-BSD1**

**Matrix: Water**

**Analysis Batch: V003936**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0744\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits			
Acetone	250	219		ug/L		87	54 - 145	0.5	21	
Benzene	50.0	48.0		ug/L		96	80 - 121	2	17	
Bromochloromethane	50.0	48.3		ug/L		97	78 - 129	3	17	
Bromodichloromethane	50.0	43.7		ug/L		87	75 - 129	3	18	
Bromoform	50.0	42.0		ug/L		84	46 - 145	3	16	
Bromomethane	50.0	40.7		ug/L		81	41 - 150	1	50	
2-Butanone	250	222		ug/L		89	62 - 133	0.3	19	
Carbon disulfide	50.0	47.8		ug/L		96	77 - 126	3	21	
Carbon Tetrachloride	50.0	46.2		ug/L		92	64 - 147	3	19	
Chlorobenzene	50.0	49.1		ug/L		98	80 - 120	3	14	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0744-BSD1**

**Matrix: Water**

**Analysis Batch: V003936**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0744\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	
Chlorodibromomethane	50.0	44.6		ug/L		89	69 - 133	3	15	
Chloroethane	50.0	45.1		ug/L		90	72 - 120	4	20	
Chloroform	50.0	46.9		ug/L		94	73 - 129	3	18	
Chloromethane	50.0	33.3		ug/L		67	12 - 150	4	31	
Cyclohexane	50.0	49.3		ug/L		99	73 - 122	3	16	
1,2-Dibromo-3-chloropropane	50.0	44.2		ug/L		88	54 - 125	2	24	
1,2-Dibromoethane (EDB)	50.0	47.8		ug/L		96	80 - 129	3	15	
Methylcyclohexane	50.0	53.9		ug/L		108	71 - 129	2	19	
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	80 - 121	0.4	15	
1,3-Dichlorobenzene	50.0	52.3		ug/L		105	80 - 122	0.8	15	
1,4-Dichlorobenzene	50.0	51.8		ug/L		104	80 - 120	0.3	15	
Dichlorodifluoromethane	50.0	47.1		ug/L		94	37 - 127	4	18	
1,2-Dichloroethane	50.0	43.3		ug/L		87	77 - 121	2	17	
1,1-Dichloroethane	50.0	44.2		ug/L		88	78 - 125	2	17	
1,1-Dichloroethene	50.0	52.6		ug/L		105	79 - 124	1	17	
trans-1,2-Dichloroethene	50.0	45.2		ug/L		90	79 - 126	3	16	
1,1,1-Trifluorotrchloroethane	50.0	50.4		ug/L		101	77 - 129	2	18	
cis-1,2-Dichloroethene	50.0	45.8		ug/L		92	76 - 125	3	17	
1,2-Dichloropropane	50.0	43.3		ug/L		87	75 - 120	2	17	
trans-1,3-Dichloropropene	50.0	44.1		ug/L		88	63 - 134	2	14	
cis-1,3-Dichloropropene	50.0	48.0		ug/L		96	74 - 140	3	15	
Ethylbenzene	50.0	52.8		ug/L		106	80 - 130	2	15	
2-Hexanone	250	250		ug/L		100	60 - 142	0.05	15	
Isopropylbenzene	50.0	58.3		ug/L		117	80 - 141	3	16	
Methyl Acetate	50.0	25.1	L2	ug/L		50	64 - 150	6	31	
Methyl tert-Butyl Ether	50.0	49.8		ug/L		100	72 - 133	0.4	16	
Methylene Chloride	50.0	47.7		ug/L		95	79 - 123	2	17	
4-Methyl-2-pentanone	250	249		ug/L		100	60 - 137	0.05	17	
Styrene	50.0	53.0		ug/L		106	80 - 127	3	24	
1,1,1,2-Tetrachloroethane	50.0	51.1		ug/L		102	69 - 131	0.8	20	
Tetrachloroethene	50.0	51.6		ug/L		103	80 - 126	3	16	
Toluene	50.0	51.4		ug/L		103	80 - 126	2	15	
1,2,4-Trichlorobenzene	50.0	51.3		ug/L		103	63 - 133	0.4	19	
1,2,3-Trichlorobenzene	50.0	51.3		ug/L		103	62 - 133	1	25	
1,1,1-Trichloroethane	50.0	50.4		ug/L		101	78 - 135	3	17	
1,1,2-Trichloroethane	50.0	51.2		ug/L		102	80 - 124	1	15	
Trichloroethene	50.0	51.3		ug/L		103	80 - 123	1	17	
Trichlorofluoromethane	50.0	44.2		ug/L		88	65 - 124	3	18	
Vinyl chloride	50.0	46.9		ug/L		94	68 - 120	3	17	
Xylenes, total	150	155		ug/L		103	80 - 132	3	15	

Surrogate	LCS Dup		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	88		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	96		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0744-MS1**

**Matrix: Water**

**Analysis Batch: V003936**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0744\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result		Added	Result	Qualifier				
Acetone	<1250		12500	12500		ug/L		100	45 - 141
Benzene	<25.0		2500	2560		ug/L		102	75 - 133
Bromochloromethane	<25.0		2500	2610		ug/L		104	67 - 139
Bromodichloromethane	<25.0		2500	2300		ug/L		92	70 - 140
Bromoform	<25.0		2500	2150		ug/L		86	42 - 147
Bromomethane	<25.0		2500	2090		ug/L		84	16 - 163
2-Butanone	<1250		12500	11700		ug/L		94	50 - 138
Carbon disulfide	<25.0		2500	2550		ug/L		102	48 - 152
Carbon Tetrachloride	<25.0		2500	2470		ug/L		99	62 - 164
Chlorobenzene	<25.0		2500	2620		ug/L		105	80 - 129
Chlorodibromomethane	<25.0		2500	2300		ug/L		92	66 - 140
Chloroethane	<25.0		2500	2450		ug/L		98	58 - 137
Chloroform	<25.0		2500	2480		ug/L		99	66 - 138
Chloromethane	<25.0		2500	1670		ug/L		67	10 - 169
Cyclohexane	<125		2500	2580		ug/L		103	58 - 144
1,2-Dibromo-3-chloropropane	<250		2500	2360		ug/L		95	52 - 126
1,2-Dibromoethane (EDB)	<25.0		2500	2560		ug/L		102	75 - 137
Methylcyclohexane	<125		2500	2760		ug/L		111	59 - 151
1,2-Dichlorobenzene	<25.0		2500	2750		ug/L		110	79 - 128
1,3-Dichlorobenzene	<25.0		2500	2710		ug/L		108	77 - 131
1,4-Dichlorobenzene	<25.0		2500	2690		ug/L		107	78 - 126
Dichlorodifluoromethane	<30.0		2500	2400		ug/L		96	40 - 127
1,2-Dichloroethane	<25.0		2500	2240		ug/L		90	64 - 136
1,1-Dichloroethane	<25.0		2500	2310		ug/L		92	71 - 139
1,1-Dichloroethene	<25.0		2500	2870		ug/L		115	70 - 142
trans-1,2-Dichloroethene	<25.0		2500	2400		ug/L		96	66 - 143
1,1,2-Trifluorotrchloroethane	<25.0		2500	2530		ug/L		101	72 - 148
cis-1,2-Dichloroethene	<25.0		2500	2230		ug/L		89	68 - 138
1,2-Dichloropropane	<25.0		2500	2280		ug/L		91	67 - 131
trans-1,3-Dichloropropene	<25.0		2500	1840		ug/L		74	59 - 135
cis-1,3-Dichloropropene	<25.0		2500	2030		ug/L		81	71 - 141
Ethylbenzene	<25.0		2500	2780		ug/L		111	79 - 139
2-Hexanone	<250		12500	12700		ug/L		102	50 - 150
Isopropylbenzene	<25.0		2500	3120		ug/L		125	80 - 153
Methyl Acetate	<250		2500	1280		ug/L		51	30 - 165
Methyl tert-Butyl Ether	<25.0		2500	2600		ug/L		104	66 - 141
Methylene Chloride	<125		2500	2530		ug/L		101	64 - 139
4-Methyl-2-pentanone	<250		12500	12600		ug/L		101	50 - 147
Styrene	<25.0		2500	2800		ug/L		112	61 - 148
1,1,2,2-Tetrachloroethane	<25.0		2500	2620		ug/L		105	56 - 143
Tetrachloroethene	<25.0		2500	2780		ug/L		111	72 - 145
Toluene	<25.0		2500	2710		ug/L		108	75 - 136
1,2,4-Trichlorobenzene	<25.0		2500	2680		ug/L		107	60 - 136
1,2,3-Trichlorobenzene	<25.0		2500	2700		ug/L		108	55 - 138
1,1,1-Trichloroethane	<25.0		2500	2720		ug/L		109	76 - 149
1,1,2-Trichloroethane	<25.0		2500	2680		ug/L		107	74 - 134
Trichloroethene	790		2500	3570		ug/L		111	73 - 144
Trichlorofluoromethane	<25.0		2500	2470		ug/L		99	58 - 139
Vinyl chloride	<25.0		2500	2580		ug/L		103	56 - 129



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0744-MS1**

**Matrix: Water**

**Analysis Batch: V003936**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0744\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Xylenes, total	<75.0		7500	8120		ug/L		108	74 - 141	
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1,2-Dichloroethane-d4	86		70 - 130							
Dibromofluoromethane	96		70 - 130							
Toluene-d8	96		70 - 130							
4-Bromofluorobenzene	95		70 - 130							

**Lab Sample ID: 12C0744-MSD1**

**Matrix: Water**

**Analysis Batch: V003936**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0744\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	<1250		12500	11900		ug/L		95	45 - 141	6	21	
Benzene	<25.0		2500	2410		ug/L		96	75 - 133	6	17	
Bromochloromethane	<25.0		2500	2500		ug/L		100	67 - 139	5	17	
Bromodichloromethane	<25.0		2500	2170		ug/L		87	70 - 140	6	18	
Bromoform	<25.0		2500	2080		ug/L		83	42 - 147	3	16	
Bromomethane	<25.0		2500	1910		ug/L		76	16 - 163	9	50	
2-Butanone	<1250		12500	11500		ug/L		92	50 - 138	2	19	
Carbon disulfide	<25.0		2500	2310		ug/L		93	48 - 152	10	21	
Carbon Tetrachloride	<25.0		2500	2250		ug/L		90	62 - 164	9	19	
Chlorobenzene	<25.0		2500	2480		ug/L		99	80 - 129	6	14	
Chlorodibromomethane	<25.0		2500	2190		ug/L		88	66 - 140	5	15	
Chloroethane	<25.0		2500	2260		ug/L		90	58 - 137	8	20	
Chloroform	<25.0		2500	2330		ug/L		93	66 - 138	6	18	
Chloromethane	<25.0		2500	1510		ug/L		60	10 - 169	10	31	
Cyclohexane	<125		2500	2300		ug/L		92	58 - 144	11	16	
1,2-Dibromo-3-chloropropane	<250		2500	2320		ug/L		93	52 - 126	2	24	
1,2-Dibromoethane (EDB)	<25.0		2500	2470		ug/L		99	75 - 137	4	15	
Methylcyclohexane	<125		2500	2440		ug/L		98	59 - 151	12	19	
1,2-Dichlorobenzene	<25.0		2500	2630		ug/L		105	79 - 128	4	15	
1,3-Dichlorobenzene	<25.0		2500	2560		ug/L		102	77 - 131	6	15	
1,4-Dichlorobenzene	<25.0		2500	2540		ug/L		102	78 - 126	6	15	
Dichlorodifluoromethane	<30.0		2500	2050		ug/L		82	40 - 127	16	18	
1,2-Dichloroethane	<25.0		2500	2150		ug/L		86	64 - 136	4	17	
1,1-Dichloroethane	<25.0		2500	2150		ug/L		86	71 - 139	7	17	
1,1-Dichloroethene	<25.0		2500	2530		ug/L		101	70 - 142	13	17	
trans-1,2-Dichloroethene	<25.0		2500	2220		ug/L		89	66 - 143	8	16	
1,1,2-Trifluoroethane	<25.0		2500	2250		ug/L		90	72 - 148	12	18	
cis-1,2-Dichloroethene	<25.0		2500	2100		ug/L		84	68 - 138	6	17	
1,2-Dichloropropane	<25.0		2500	2150		ug/L		86	67 - 131	6	17	
trans-1,3-Dichloropropene	<25.0		2500	1760		ug/L		70	59 - 135	5	14	
cis-1,3-Dichloropropene	<25.0		2500	1930		ug/L		77	71 - 141	5	15	
Ethylbenzene	<25.0		2500	2590		ug/L		104	79 - 139	7	15	
2-Hexanone	<250		12500	12600		ug/L		101	50 - 150	0.9	15	
Isopropylbenzene	<25.0		2500	2900		ug/L		116	80 - 153	7	16	
Methyl Acetate	<250		2500	1270		ug/L		51	30 - 165	1	31	
Methyl tert-Butyl Ether	<25.0		2500	2520		ug/L		101	66 - 141	3	16	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0744-MSD1**

**Matrix: Water**

**Analysis Batch: V003936**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0744\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Methylene Chloride	<125		2500	2380		ug/L		95	64 - 139	6	17	
4-Methyl-2-pentanone	<250		12500	12200		ug/L		98	50 - 147	3	17	
Styrene	<25.0		2500	2660		ug/L		106	61 - 148	5	24	
1,1,1,2-Tetrachloroethane	<25.0		2500	2530		ug/L		101	56 - 143	4	20	
Tetrachloroethene	<25.0		2500	2560		ug/L		102	72 - 145	8	16	
Toluene	<25.0		2500	2540		ug/L		102	75 - 136	7	15	
1,2,4-Trichlorobenzene	<25.0		2500	2540		ug/L		102	60 - 136	5	19	
1,2,3-Trichlorobenzene	<25.0		2500	2610		ug/L		104	55 - 138	3	25	
1,1,1-Trichloroethane	<25.0		2500	2490		ug/L		99	76 - 149	9	17	
1,1,2-Trichloroethane	<25.0		2500	2590		ug/L		104	74 - 134	3	15	
Trichloroethene	790		2500	3400		ug/L		104	73 - 144	5	17	
Trichlorofluoromethane	<25.0		2500	2180		ug/L		87	58 - 139	12	18	
Vinyl chloride	<25.0		2500	2330		ug/L		93	56 - 129	10	17	
Xylenes, total	<75.0		7500	7640		ug/L		102	74 - 141	6	15	

**Matrix Spike Dup    Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	87		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	95		70 - 130

**Lab Sample ID: 12C1674-BLK1**

**Matrix: Water**

**Analysis Batch: V003941**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C1674\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<25.0		50.0	25.0	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1674-BLK1**

**Matrix: Water**

**Analysis Batch: V003941**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C1674\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/06/12 10:23	03/06/12 12:41	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/06/12 10:23	03/06/12 12:41	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	91		70 - 130	03/06/12 10:23	03/06/12 12:41	1.00
Dibromofluoromethane	95		70 - 130	03/06/12 10:23	03/06/12 12:41	1.00
Toluene-d8	95		70 - 130	03/06/12 10:23	03/06/12 12:41	1.00
4-Bromofluorobenzene	100		70 - 130	03/06/12 10:23	03/06/12 12:41	1.00

**Lab Sample ID: 12C1674-BS1**

**Matrix: Water**

**Analysis Batch: V003941**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C1674\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	249		ug/L		100	54 - 145
Benzene	50.0	52.9		ug/L		106	80 - 121
Bromochloromethane	50.0	54.2		ug/L		108	78 - 129
Bromodichloromethane	50.0	49.6		ug/L		99	75 - 129
Bromoform	50.0	47.4		ug/L		95	46 - 145
Bromomethane	50.0	44.9		ug/L		90	41 - 150
2-Butanone	250	243		ug/L		97	62 - 133
Carbon disulfide	50.0	52.2		ug/L		104	77 - 126
Carbon Tetrachloride	50.0	49.9		ug/L		100	64 - 147
Chlorobenzene	50.0	53.7		ug/L		107	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1674-BS1**

**Matrix: Water**

**Analysis Batch: V003941**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C1674\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Chlorodibromomethane	50.0	49.6		ug/L		99	69 - 133
Chloroethane	50.0	48.5		ug/L		97	72 - 120
Chloroform	50.0	52.5		ug/L		105	73 - 129
Chloromethane	50.0	36.3		ug/L		73	12 - 150
Cyclohexane	50.0	52.4		ug/L		105	73 - 122
1,2-Dibromo-3-chloropropane	50.0	48.2		ug/L		96	54 - 125
1,2-Dibromoethane (EDB)	50.0	53.0		ug/L		106	80 - 129
Methylcyclohexane	50.0	55.8		ug/L		112	71 - 129
1,2-Dichlorobenzene	50.0	56.6		ug/L		113	80 - 121
1,3-Dichlorobenzene	50.0	56.3		ug/L		113	80 - 122
1,4-Dichlorobenzene	50.0	55.7		ug/L		111	80 - 120
Dichlorodifluoromethane	50.0	50.8		ug/L		102	37 - 127
1,2-Dichloroethane	50.0	49.1		ug/L		98	77 - 121
1,1-Dichloroethane	50.0	48.6		ug/L		97	78 - 125
1,1-Dichloroethene	50.0	56.1		ug/L		112	79 - 124
trans-1,2-Dichloroethene	50.0	49.9		ug/L		100	79 - 126
1,1,2-Trifluorotrchloroethane	50.0	52.7		ug/L		105	77 - 129
cis-1,2-Dichloroethene	50.0	49.2		ug/L		98	76 - 125
1,2-Dichloropropane	50.0	48.4		ug/L		97	75 - 120
trans-1,3-Dichloropropene	50.0	45.8		ug/L		92	63 - 134
cis-1,3-Dichloropropene	50.0	50.3		ug/L		101	74 - 140
Ethylbenzene	50.0	56.9		ug/L		114	80 - 130
2-Hexanone	250	268		ug/L		107	60 - 142
Isopropylbenzene	50.0	62.8		ug/L		126	80 - 141
Methyl Acetate	50.0	28.2	L2	ug/L		56	64 - 150
Methyl tert-Butyl Ether	50.0	55.9		ug/L		112	72 - 133
Methylene Chloride	50.0	53.4		ug/L		107	79 - 123
4-Methyl-2-pentanone	250	270		ug/L		108	60 - 137
Styrene	50.0	58.4		ug/L		117	80 - 127
1,1,1,2-Tetrachloroethane	50.0	55.9		ug/L		112	69 - 131
Tetrachloroethene	50.0	54.6		ug/L		109	80 - 126
Toluene	50.0	55.5		ug/L		111	80 - 126
1,2,4-Trichlorobenzene	50.0	53.6		ug/L		107	63 - 133
1,2,3-Trichlorobenzene	50.0	54.4		ug/L		109	62 - 133
1,1,1-Trichloroethane	50.0	55.5		ug/L		111	78 - 135
1,1,2-Trichloroethane	50.0	56.9		ug/L		114	80 - 124
Trichloroethene	50.0	55.2		ug/L		110	80 - 123
Trichlorofluoromethane	50.0	47.1		ug/L		94	65 - 124
Vinyl chloride	50.0	50.3		ug/L		101	68 - 120
Xylenes, total	150	168		ug/L		112	80 - 132

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	92		70 - 130
Dibromofluoromethane	100		70 - 130
Toluene-d8	96		70 - 130
4-Bromofluorobenzene	94		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1674-BSD1**

**Matrix: Water**

**Analysis Batch: V003941**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C1674\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Acetone	250	226		ug/L		90	54 - 145	10	21	
Benzene	50.0	45.9		ug/L		92	80 - 121	14	17	
Bromochloromethane	50.0	47.0		ug/L		94	78 - 129	14	17	
Bromodichloromethane	50.0	42.4		ug/L		85	75 - 129	16	18	
Bromoform	50.0	40.5		ug/L		81	46 - 145	16	16	
Bromomethane	50.0	39.8		ug/L		80	41 - 150	12	50	
2-Butanone	250	217		ug/L		87	62 - 133	11	19	
Carbon disulfide	50.0	44.7		ug/L		89	77 - 126	15	21	
Carbon Tetrachloride	50.0	42.2		ug/L		84	64 - 147	17	19	
Chlorobenzene	50.0	46.2	R2	ug/L		92	80 - 120	15	14	
Chlorodibromomethane	50.0	42.2	R2	ug/L		84	69 - 133	16	15	
Chloroethane	50.0	43.9		ug/L		88	72 - 120	10	20	
Chloroform	50.0	45.1		ug/L		90	73 - 129	15	18	
Chloromethane	50.0	32.3		ug/L		65	12 - 150	12	31	
Cyclohexane	50.0	45.5		ug/L		91	73 - 122	14	16	
1,2-Dibromo-3-chloropropane	50.0	40.6		ug/L		81	54 - 125	17	24	
1,2-Dibromoethane (EDB)	50.0	46.4		ug/L		93	80 - 129	13	15	
Methylcyclohexane	50.0	48.4		ug/L		97	71 - 129	14	19	
1,2-Dichlorobenzene	50.0	48.5		ug/L		97	80 - 121	15	15	
1,3-Dichlorobenzene	50.0	48.2	R2	ug/L		96	80 - 122	16	15	
1,4-Dichlorobenzene	50.0	47.8		ug/L		96	80 - 120	15	15	
Dichlorodifluoromethane	50.0	46.3		ug/L		93	37 - 127	9	18	
1,2-Dichloroethane	50.0	42.5		ug/L		85	77 - 121	15	17	
1,1-Dichloroethane	50.0	41.9		ug/L		84	78 - 125	15	17	
1,1-Dichloroethene	50.0	48.2		ug/L		96	79 - 124	15	17	
trans-1,2-Dichloroethene	50.0	42.9		ug/L		86	79 - 126	15	16	
1,1,2-Trifluorotrchloroethane	50.0	45.6		ug/L		91	77 - 129	14	18	
cis-1,2-Dichloroethene	50.0	42.2		ug/L		84	76 - 125	15	17	
1,2-Dichloropropane	50.0	41.9		ug/L		84	75 - 120	14	17	
trans-1,3-Dichloropropene	50.0	39.2	R2	ug/L		78	63 - 134	16	14	
cis-1,3-Dichloropropene	50.0	42.6	R2	ug/L		85	74 - 140	17	15	
Ethylbenzene	50.0	48.9		ug/L		98	80 - 130	15	15	
2-Hexanone	250	241		ug/L		96	60 - 142	10	15	
Isopropylbenzene	50.0	54.4		ug/L		109	80 - 141	14	16	
Methyl Acetate	50.0	25.2	L2	ug/L		50	64 - 150	11	31	
Methyl tert-Butyl Ether	50.0	48.8		ug/L		98	72 - 133	13	16	
Methylene Chloride	50.0	46.1		ug/L		92	79 - 123	15	17	
4-Methyl-2-pentanone	250	234		ug/L		94	60 - 137	14	17	
Styrene	50.0	50.6		ug/L		101	80 - 127	14	24	
1,1,2,2-Tetrachloroethane	50.0	47.5		ug/L		95	69 - 131	16	20	
Tetrachloroethene	50.0	46.1	R2	ug/L		92	80 - 126	17	16	
Toluene	50.0	47.4	R2	ug/L		95	80 - 126	16	15	
1,2,4-Trichlorobenzene	50.0	46.8		ug/L		94	63 - 133	14	19	
1,2,3-Trichlorobenzene	50.0	47.8		ug/L		96	62 - 133	13	25	
1,1,1-Trichloroethane	50.0	47.2		ug/L		94	78 - 135	16	17	
1,1,2-Trichloroethane	50.0	48.7	R2	ug/L		97	80 - 124	16	15	
Trichloroethene	50.0	47.8		ug/L		96	80 - 123	14	17	
Trichlorofluoromethane	50.0	42.8		ug/L		86	65 - 124	10	18	
Vinyl chloride	50.0	46.3		ug/L		93	68 - 120	8	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1674-BSD1**

**Matrix: Water**

**Analysis Batch: V003941**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C1674\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	150	145		ug/L		97	80 - 132	14	15

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
1,2-Dichloroethane-d4	91		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	96		70 - 130
4-Bromofluorobenzene	93		70 - 130

**Lab Sample ID: 12C1674-MS1**

**Matrix: Water**

**Analysis Batch: V003941**

**Client Sample ID: Tract 37 SW-1**

**Prep Type: Total**

**Prep Batch: 12C1674\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<25.0		250	189		ug/L		75	45 - 141
Benzene	<0.500		50.0	41.5		ug/L		83	75 - 133
Bromochloromethane	<0.500		50.0	42.2		ug/L		84	67 - 139
Bromodichloromethane	<0.500		50.0	36.5		ug/L		73	70 - 140
Bromoform	<0.500		50.0	34.4		ug/L		69	42 - 147
Bromomethane	<0.500		50.0	35.2		ug/L		70	16 - 163
2-Butanone	<25.0		250	191		ug/L		76	50 - 138
Carbon disulfide	<0.500		50.0	42.2		ug/L		84	48 - 152
Carbon Tetrachloride	<0.500		50.0	39.5		ug/L		79	62 - 164
Chlorobenzene	<0.500		50.0	42.4		ug/L		85	80 - 129
Chlorodibromomethane	<0.500		50.0	36.1		ug/L		72	66 - 140
Chloroethane	<0.500		50.0	40.4		ug/L		81	58 - 137
Chloroform	<0.500		50.0	40.0		ug/L		80	66 - 138
Chloromethane	<0.500		50.0	28.8		ug/L		58	10 - 169
Cyclohexane	<2.50		50.0	42.8		ug/L		86	58 - 144
1,2-Dibromo-3-chloropropane	<5.00		50.0	36.7		ug/L		73	52 - 126
1,2-Dibromoethane (EDB)	<0.500		50.0	40.3		ug/L		81	75 - 137
Methylcyclohexane	<2.50		50.0	48.3		ug/L		97	59 - 151
1,2-Dichlorobenzene	<0.500		50.0	44.7		ug/L		89	79 - 128
1,3-Dichlorobenzene	<0.500		50.0	44.4		ug/L		89	77 - 131
1,4-Dichlorobenzene	<0.500		50.0	43.8		ug/L		88	78 - 126
Dichlorodifluoromethane	<0.600		50.0	45.6		ug/L		91	40 - 127
1,2-Dichloroethane	<0.500		50.0	36.0		ug/L		72	64 - 136
1,1-Dichloroethane	<0.500		50.0	37.0		ug/L		74	71 - 139
1,1-Dichloroethene	<0.500		50.0	46.9		ug/L		94	70 - 142
trans-1,2-Dichloroethene	<0.500		50.0	39.4		ug/L		79	66 - 143
1,1,2-Trifluoroethane	<0.500		50.0	44.1		ug/L		88	72 - 148
cis-1,2-Dichloroethene	<0.500		50.0	38.5		ug/L		77	68 - 138
1,2-Dichloropropane	<0.500		50.0	36.1		ug/L		72	67 - 131
trans-1,3-Dichloropropene	<0.500		50.0	34.9		ug/L		70	59 - 135
cis-1,3-Dichloropropene	<0.500		50.0	38.6		ug/L		77	71 - 141
Ethylbenzene	<0.500		50.0	44.8		ug/L		90	79 - 139
2-Hexanone	<5.00		250	209		ug/L		84	50 - 150
Isopropylbenzene	<0.500		50.0	50.2		ug/L		100	80 - 153
Methyl Acetate	<5.00	L2	50.0	18.4		ug/L		37	30 - 165
Methyl tert-Butyl Ether	<0.500		50.0	41.7		ug/L		83	66 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1674-MS1**

**Matrix: Water**

**Analysis Batch: V003941**

**Client Sample ID: Tract 37 SW-1**

**Prep Type: Total**

**Prep Batch: 12C1674\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
Methylene Chloride	<2.50		50.0	40.8		ug/L		82	64 - 139	
4-Methyl-2-pentanone	<5.00		250	204		ug/L		82	50 - 147	
Styrene	<0.500		50.0	45.1		ug/L		90	61 - 148	
1,1,2,2-Tetrachloroethane	<0.500		50.0	41.4		ug/L		83	56 - 143	
Tetrachloroethene	<0.500		50.0	45.9		ug/L		92	72 - 145	
Toluene	<0.500		50.0	43.8		ug/L		88	75 - 136	
1,2,4-Trichlorobenzene	<0.500		50.0	44.4		ug/L		89	60 - 136	
1,2,3-Trichlorobenzene	<0.500		50.0	44.6		ug/L		89	55 - 138	
1,1,1-Trichloroethane	<0.500		50.0	43.3		ug/L		87	76 - 149	
1,1,2-Trichloroethane	<0.500		50.0	42.5		ug/L		85	74 - 134	
Trichloroethene	<0.500		50.0	45.6		ug/L		91	73 - 144	
Trichlorofluoromethane	<0.500		50.0	40.7		ug/L		81	58 - 139	
Vinyl chloride	<0.500		50.0	43.8		ug/L		88	56 - 129	
Xylenes, total	<1.50		150	132		ug/L		88	74 - 141	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
1,2-Dichloroethane-d4	85		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8	95		70 - 130
4-Bromofluorobenzene	94		70 - 130

**Lab Sample ID: 12C1674-MSD1**

**Matrix: Water**

**Analysis Batch: V003941**

**Client Sample ID: Tract 37 SW-1**

**Prep Type: Total**

**Prep Batch: 12C1674\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Acetone	<25.0		250	224		ug/L		90	45 - 141	17	21	
Benzene	<0.500		50.0	49.5	R2	ug/L		99	75 - 133	18	17	
Bromochloromethane	<0.500		50.0	49.8		ug/L		100	67 - 139	17	17	
Bromodichloromethane	<0.500		50.0	44.2	R2	ug/L		88	70 - 140	19	18	
Bromoform	<0.500		50.0	41.5	R2	ug/L		83	42 - 147	19	16	
Bromomethane	<0.500		50.0	41.4		ug/L		83	16 - 163	16	50	
2-Butanone	<25.0		250	225		ug/L		90	50 - 138	16	19	
Carbon disulfide	<0.500		50.0	49.6		ug/L		99	48 - 152	16	21	
Carbon Tetrachloride	<0.500		50.0	47.4		ug/L		95	62 - 164	18	19	
Chlorobenzene	<0.500		50.0	50.9	R2	ug/L		102	80 - 129	18	14	
Chlorodibromomethane	<0.500		50.0	44.2	R2	ug/L		88	66 - 140	20	15	
Chloroethane	<0.500		50.0	48.0		ug/L		96	58 - 137	17	20	
Chloroform	<0.500		50.0	47.9		ug/L		96	66 - 138	18	18	
Chloromethane	<0.500		50.0	33.9		ug/L		68	10 - 169	16	31	
Cyclohexane	<2.50		50.0	50.7	R2	ug/L		101	58 - 144	17	16	
1,2-Dibromo-3-chloropropane	<5.00		50.0	45.1		ug/L		90	52 - 126	20	24	
1,2-Dibromoethane (EDB)	<0.500		50.0	49.0	R2	ug/L		98	75 - 137	19	15	
Methylcyclohexane	<2.50		50.0	57.2		ug/L		114	59 - 151	17	19	
1,2-Dichlorobenzene	<0.500		50.0	52.9	R2	ug/L		106	79 - 128	17	15	
1,3-Dichlorobenzene	<0.500		50.0	53.1	R2	ug/L		106	77 - 131	18	15	
1,4-Dichlorobenzene	<0.500		50.0	52.3	R2	ug/L		105	78 - 126	18	15	
Dichlorodifluoromethane	<0.600		50.0	52.4		ug/L		105	40 - 127	14	18	
1,2-Dichloroethane	<0.500		50.0	43.4	R2	ug/L		87	64 - 136	18	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1674-MSD1**

**Matrix: Water**

**Analysis Batch: V003941**

**Client Sample ID: Tract 37 SW-1**

**Prep Type: Total**

**Prep Batch: 12C1674\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,1-Dichloroethane	<0.500		50.0	44.3	R2	ug/L		89	71 - 139	18	17
1,1-Dichloroethene	<0.500		50.0	55.3		ug/L		111	70 - 142	16	17
trans-1,2-Dichloroethene	<0.500		50.0	46.9	R2	ug/L		94	66 - 143	17	16
1,1,2-Trifluorotrchloroethane	<0.500		50.0	52.5		ug/L		105	72 - 148	17	18
cis-1,2-Dichloroethene	<0.500		50.0	46.0	R2	ug/L		92	68 - 138	18	17
1,2-Dichloropropane	<0.500		50.0	43.7	R2	ug/L		87	67 - 131	19	17
trans-1,3-Dichloropropene	<0.500		50.0	42.7	R2	ug/L		85	59 - 135	20	14
cis-1,3-Dichloropropene	<0.500		50.0	46.9	R2	ug/L		94	71 - 141	20	15
Ethylbenzene	<0.500		50.0	53.7	R2	ug/L		107	79 - 139	18	15
2-Hexanone	<5.00		250	255	R2	ug/L		102	50 - 150	20	15
Isopropylbenzene	<0.500		50.0	60.6	R2	ug/L		121	80 - 153	19	16
Methyl Acetate	<5.00	L2	50.0	21.8		ug/L		44	30 - 165	17	31
Methyl tert-Butyl Ether	<0.500		50.0	50.4	R2	ug/L		101	66 - 141	19	16
Methylene Chloride	<2.50		50.0	48.5		ug/L		97	64 - 139	17	17
4-Methyl-2-pentanone	<5.00		250	248	R2	ug/L		99	50 - 147	19	17
Styrene	<0.500		50.0	54.6		ug/L		109	61 - 148	19	24
1,1,2,2-Tetrachloroethane	<0.500		50.0	49.3		ug/L		99	56 - 143	17	20
Tetrachloroethene	<0.500		50.0	55.2	R2	ug/L		110	72 - 145	18	16
Toluene	<0.500		50.0	52.9	R2	ug/L		106	75 - 136	19	15
1,2,4-Trichlorobenzene	<0.500		50.0	52.6		ug/L		105	60 - 136	17	19
1,2,3-Trichlorobenzene	<0.500		50.0	52.6		ug/L		105	55 - 138	16	25
1,1,1-Trichloroethane	<0.500		50.0	52.0	R2	ug/L		104	76 - 149	18	17
1,1,2-Trichloroethane	<0.500		50.0	51.8	R2	ug/L		104	74 - 134	20	15
Trichloroethene	<0.500		50.0	54.4	R2	ug/L		109	73 - 144	18	17
Trichlorofluoromethane	<0.500		50.0	48.0		ug/L		96	58 - 139	17	18
Vinyl chloride	<0.500		50.0	51.7		ug/L		103	56 - 129	16	17
Xylenes, total	<1.50		150	158	R2	ug/L		105	74 - 141	18	15

**Matrix Spike Dup    Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	86		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	94		70 - 130

**Lab Sample ID: 12C1787-BLK1**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1787-BLK1**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,1,2-Trifluoro-trichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Methylene Chloride	0.00779	J	0.0100	0.00500	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		03/08/12 16:30	03/13/12 12:50	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130	03/08/12 16:30	03/13/12 12:50	1.00
Dibromofluoromethane	102		70 - 130	03/08/12 16:30	03/13/12 12:50	1.00
Toluene-d8	105		70 - 130	03/08/12 16:30	03/13/12 12:50	1.00
4-Bromofluorobenzene	100		70 - 130	03/08/12 16:30	03/13/12 12:50	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1787-BLK2**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
2-Butanone	<1.25		2.50	1.25	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Chloroform	<0.0650		0.100	0.0650	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,1,2-Trifluoroethane	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Methyl Acetate	<0.250		0.500	0.250	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,2,3-Trichlorobenzene	0.0680	J	0.100	0.0550	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1787-BLK2**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		03/08/12 16:30	03/13/12 12:20	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	94		70 - 130	03/08/12 16:30	03/13/12 12:20	50.0
Dibromofluoromethane	103		70 - 130	03/08/12 16:30	03/13/12 12:20	50.0
Toluene-d8	112		70 - 130	03/08/12 16:30	03/13/12 12:20	50.0
4-Bromofluorobenzene	95		70 - 130	03/08/12 16:30	03/13/12 12:20	50.0

**Lab Sample ID: 12C1787-BS1**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	257		ug/kg		103	51 - 149
Benzene	50.0	53.1		ug/kg		106	75 - 127
Bromochloromethane	50.0	55.4		ug/kg		111	70 - 132
Bromodichloromethane	50.0	50.8		ug/kg		102	68 - 135
Bromoform	50.0	48.3		ug/kg		97	36 - 150
Bromomethane	50.0	81.7	L1	ug/kg		163	43 - 142
2-Butanone	250	278		ug/kg		111	61 - 132
Carbon disulfide	50.0	59.3		ug/kg		119	74 - 135
Carbon Tetrachloride	50.0	58.5		ug/kg		117	70 - 141
Chlorobenzene	50.0	55.7		ug/kg		111	84 - 125
Chlorodibromomethane	50.0	54.1		ug/kg		108	66 - 134
Chloroethane	50.0	53.4		ug/kg		107	53 - 144
Chloroform	50.0	54.3		ug/kg		109	76 - 130
Chloromethane	50.0	41.5		ug/kg		83	23 - 150
Cyclohexane	50.0	51.7		ug/kg		103	70 - 133
1,2-Dibromo-3-chloropropane	50.0	48.4		ug/kg		97	49 - 142
1,2-Dibromoethane (EDB)	50.0	56.4		ug/kg		113	80 - 135
Methylcyclohexane	50.0	53.0		ug/kg		106	69 - 140
1,2-Dichlorobenzene	50.0	58.0		ug/kg		116	80 - 134
1,3-Dichlorobenzene	50.0	58.8		ug/kg		118	79 - 137
1,4-Dichlorobenzene	50.0	60.6		ug/kg		121	77 - 139
Dichlorodifluoromethane	50.0	36.6		ug/kg		73	12 - 144
1,2-Dichloroethane	50.0	51.8		ug/kg		104	65 - 134
1,1-Dichloroethane	50.0	56.6		ug/kg		113	75 - 124
1,1-Dichloroethene	50.0	59.2		ug/kg		118	75 - 131
trans-1,2-Dichloroethene	50.0	58.1		ug/kg		116	76 - 128
1,1,2-Trifluoro-trichloroethane	50.0	60.9		ug/kg		122	67 - 136
cis-1,2-Dichloroethene	50.0	55.7		ug/kg		111	75 - 125
1,2-Dichloropropane	50.0	49.9		ug/kg		100	69 - 120
trans-1,3-Dichloropropene	50.0	56.9		ug/kg		114	62 - 139
cis-1,3-Dichloropropene	50.0	62.4		ug/kg		125	73 - 148
Ethylbenzene	50.0	55.7		ug/kg		111	80 - 134
2-Hexanone	250	284		ug/kg		114	57 - 148
Isopropylbenzene	50.0	61.0		ug/kg		122	80 - 150
Methyl Acetate	50.0	51.0		ug/kg		102	11 - 170
Methyl tert-Butyl Ether	50.0	58.7		ug/kg		117	70 - 136

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1787-BS1**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	50.0	66.5	B	ug/kg		133	68 - 144	
4-Methyl-2-pentanone	250	324		ug/kg		130	59 - 138	
Styrene	50.0	57.9		ug/kg		116	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	55.1		ug/kg		110	66 - 134	
Tetrachloroethene	50.0	54.7		ug/kg		109	78 - 140	
Toluene	50.0	60.2		ug/kg		120	80 - 132	
1,2,4-Trichlorobenzene	50.0	58.6		ug/kg		117	62 - 150	
1,2,3-Trichlorobenzene	50.0	55.7	B	ug/kg		111	70 - 150	
1,1,1-Trichloroethane	50.0	57.1		ug/kg		114	72 - 140	
1,1,2-Trichloroethane	50.0	55.1		ug/kg		110	78 - 128	
Trichloroethene	50.0	54.5		ug/kg		109	77 - 127	
Trichlorofluoromethane	50.0	49.0		ug/kg		98	50 - 140	
Vinyl chloride	50.0	49.2		ug/kg		98	47 - 136	
Xylenes, total	150	167		ug/kg		111	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	109		70 - 130
Dibromofluoromethane	106		70 - 130
Toluene-d8	111		70 - 130
4-Bromofluorobenzene	101		70 - 130

**Lab Sample ID: 12C1787-BSD1**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Acetone	250	270		ug/kg		108	51 - 149	5	50	
Benzene	50.0	53.6		ug/kg		107	75 - 127	0.9	50	
Bromochloromethane	50.0	55.7		ug/kg		111	70 - 132	0.6	50	
Bromodichloromethane	50.0	50.1		ug/kg		100	68 - 135	1	50	
Bromoform	50.0	48.1		ug/kg		96	36 - 150	0.4	50	
Bromomethane	50.0	77.6	L1	ug/kg		155	43 - 142	5	50	
2-Butanone	250	282		ug/kg		113	61 - 132	2	50	
Carbon disulfide	50.0	55.3		ug/kg		111	74 - 135	7	50	
Carbon Tetrachloride	50.0	57.6		ug/kg		115	70 - 141	2	50	
Chlorobenzene	50.0	54.2		ug/kg		108	84 - 125	3	50	
Chlorodibromomethane	50.0	53.9		ug/kg		108	66 - 134	0.3	50	
Chloroethane	50.0	51.2		ug/kg		102	53 - 144	4	50	
Chloroform	50.0	54.0		ug/kg		108	76 - 130	0.5	49	
Chloromethane	50.0	43.6		ug/kg		87	23 - 150	5	50	
Cyclohexane	50.0	50.6		ug/kg		101	70 - 133	2	50	
1,2-Dibromo-3-chloropropane	50.0	48.5		ug/kg		97	49 - 142	0.3	50	
1,2-Dibromoethane (EDB)	50.0	54.5		ug/kg		109	80 - 135	3	50	
Methylcyclohexane	50.0	51.7		ug/kg		103	69 - 140	2	50	
1,2-Dichlorobenzene	50.0	58.5		ug/kg		117	80 - 134	0.8	50	
1,3-Dichlorobenzene	50.0	58.0		ug/kg		116	79 - 137	1	50	
1,4-Dichlorobenzene	50.0	59.5		ug/kg		119	77 - 139	2	50	
Dichlorodifluoromethane	50.0	36.5		ug/kg		73	12 - 144	0.4	50	
1,2-Dichloroethane	50.0	51.9		ug/kg		104	65 - 134	0.2	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1787-BSD1**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,1-Dichloroethane	50.0	54.6		ug/kg		109	75 - 124	3	50	
1,1-Dichloroethene	50.0	55.6		ug/kg		111	75 - 131	6	50	
trans-1,2-Dichloroethene	50.0	56.2		ug/kg		112	76 - 128	3	50	
1,1,2-Trifluorotrchloroethane	50.0	55.2		ug/kg		110	67 - 136	10	50	
cis-1,2-Dichloroethene	50.0	53.8		ug/kg		108	75 - 125	3	50	
1,2-Dichloropropane	50.0	49.9		ug/kg		100	69 - 120	0.06	50	
trans-1,3-Dichloropropene	50.0	57.1		ug/kg		114	62 - 139	0.3	50	
cis-1,3-Dichloropropene	50.0	73.3		ug/kg		147	73 - 148	16	50	
Ethylbenzene	50.0	54.6		ug/kg		109	80 - 134	2	50	
2-Hexanone	250	285		ug/kg		114	57 - 148	0.1	50	
Isopropylbenzene	50.0	58.9		ug/kg		118	80 - 150	3	50	
Methyl Acetate	50.0	44.4		ug/kg		89	11 - 170	14	50	
Methyl tert-Butyl Ether	50.0	57.1		ug/kg		114	70 - 136	3	50	
Methylene Chloride	50.0	64.3	B	ug/kg		129	68 - 144	3	50	
4-Methyl-2-pentanone	250	330		ug/kg		132	59 - 138	2	50	
Styrene	50.0	56.9		ug/kg		114	82 - 137	2	50	
1,1,2,2-Tetrachloroethane	50.0	56.4		ug/kg		113	66 - 134	2	50	
Tetrachloroethene	50.0	52.4		ug/kg		105	78 - 140	4	50	
Toluene	50.0	57.3		ug/kg		115	80 - 132	5	50	
1,2,4-Trichlorobenzene	50.0	57.9		ug/kg		116	62 - 150	1	50	
1,2,3-Trichlorobenzene	50.0	56.3	B	ug/kg		113	70 - 150	1	50	
1,1,1-Trichloroethane	50.0	56.3		ug/kg		113	72 - 140	1	50	
1,1,2-Trichloroethane	50.0	54.9		ug/kg		110	78 - 128	0.4	50	
Trichloroethene	50.0	53.6		ug/kg		107	77 - 127	2	50	
Trichlorofluoromethane	50.0	46.2		ug/kg		92	50 - 140	6	50	
Vinyl chloride	50.0	50.0		ug/kg		100	47 - 136	2	50	
Xylenes, total	150	161		ug/kg		107	80 - 137	4	50	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	113		70 - 130
Dibromofluoromethane	107		70 - 130
Toluene-d8	109		70 - 130
4-Bromofluorobenzene	101		70 - 130

**Lab Sample ID: 12C1787-MS1**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Tract 37 SS-1**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	0.495		0.880	1.96		mg/kg dry	*	166	19 - 175	
Benzene	<0.00525		0.176	0.226		mg/kg dry	*	128	31 - 143	
Bromochloromethane	<0.00573		0.176	0.236		mg/kg dry	*	134	31 - 141	
Bromodichloromethane	<0.00478		0.176	0.197		mg/kg dry	*	112	19 - 148	
Bromoform	<0.00478		0.176	0.169		mg/kg dry	*	96	10 - 165	
Bromomethane	<0.00573	L	0.176	0.239		mg/kg dry	*	136	10 - 164	
2-Butanone	0.120	J	0.880	1.75	M7	mg/kg dry	*	185	18 - 153	
Carbon disulfide	0.0789		0.176	0.230		mg/kg dry	*	86	32 - 144	
Carbon Tetrachloride	<0.00478		0.176	0.106		mg/kg dry	*	60	31 - 149	
Chlorobenzene	0.321		0.176	0.455		mg/kg dry	*	76	25 - 152	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1787-MS1**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Tract 37 SS-1**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Chlorodibromomethane	<0.00478		0.176	0.203		mg/kg dry	*	115	14 - 146	
Chloroethane	<0.0119		0.176	0.223		mg/kg dry	*	127	10 - 151	
Chloroform	<0.00621		0.176	0.226		mg/kg dry	*	128	34 - 160	
Chloromethane	<0.00525		0.176	0.169		mg/kg dry	*	96	10 - 156	
Cyclohexane	<0.0239		0.176	0.193		mg/kg dry	*	110	32 - 158	
1,2-Dibromoethane (EDB)	<0.00478		0.176	0.240		mg/kg dry	*	136	18 - 156	
Methylcyclohexane	<0.0239		0.176	0.148		mg/kg dry	*	84	29 - 167	
Dichlorodifluoromethane	<0.00669		0.176	0.142		mg/kg dry	*	80	10 - 143	
1,2-Dichloroethane	<0.00525		0.176	0.227		mg/kg dry	*	129	28 - 138	
1,1-Dichloroethane	<0.00621		0.176	0.230		mg/kg dry	*	131	42 - 136	
1,1-Dichloroethene	<0.00573		0.176	0.224		mg/kg dry	*	127	41 - 143	
trans-1,2-Dichloroethene	<0.00621		0.176	0.224		mg/kg dry	*	127	39 - 140	
1,1,2-Trifluorotrchloroethane	<0.00525		0.176	0.220		mg/kg dry	*	125	42 - 147	
cis-1,2-Dichloroethene	<0.00525		0.176	0.226		mg/kg dry	*	129	36 - 139	
1,2-Dichloropropane	<0.00478		0.176	0.208		mg/kg dry	*	118	20 - 146	
trans-1,3-Dichloropropene	<0.00478		0.176	0.223		mg/kg dry	*	126	10 - 157	
cis-1,3-Dichloropropene	<0.00478		0.176	0.264		mg/kg dry	*	150	15 - 166	
Ethylbenzene	0.00549	J	0.176	0.208		mg/kg dry	*	115	23 - 161	
2-Hexanone	<0.119		0.880	1.66	M7	mg/kg dry	*	189	10 - 169	
Isopropylbenzene	<0.00525		0.176	0.184		mg/kg dry	*	105	23 - 181	
Methyl Acetate	<0.0239		0.176	0.397	M7	mg/kg dry	*	226	10 - 200	
Methyl tert-Butyl Ether	<0.00478		0.176	0.241		mg/kg dry	*	137	28 - 141	
Methylene Chloride	<0.0239		0.176	0.267	B	mg/kg dry	*	152	24 - 182	
4-Methyl-2-pentanone	<0.119		0.880	1.73	M7	mg/kg dry	*	197	10 - 168	
Styrene	<0.00525		0.176	0.184		mg/kg dry	*	105	10 - 165	
Tetrachloroethene	0.0241		0.176	0.216		mg/kg dry	*	109	33 - 161	
Toluene	0.00626	J	0.176	0.249		mg/kg dry	*	138	30 - 155	
1,1,1-Trichloroethane	<0.00478		0.176	0.217		mg/kg dry	*	123	35 - 149	
1,1,2-Trichloroethane	<0.0119		0.176	0.252		mg/kg dry	*	143	19 - 157	
Trichloroethene	<0.00478		0.176	0.217		mg/kg dry	*	123	27 - 153	
Trichlorofluoromethane	<0.00478		0.176	0.169		mg/kg dry	*	96	25 - 137	
Vinyl chloride	<0.00478		0.176	0.186		mg/kg dry	*	106	20 - 141	
Xylenes, total	<0.0119		0.528	0.590		mg/kg dry	*	112	25 - 162	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	137	ZX	70 - 130
Dibromofluoromethane	124		70 - 130
Toluene-d8	111		70 - 130
4-Bromofluorobenzene	119		70 - 130

**Lab Sample ID: 12C1787-MSD1**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Tract 37 SS-1**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	0.495		0.880	1.31		mg/kg dry	*	92	19 - 175	40	50	
Benzene	<0.00525		0.176	0.144		mg/kg dry	*	82	31 - 143	44	50	
Bromochloromethane	<0.00573		0.176	0.166		mg/kg dry	*	94	31 - 141	35	50	
Bromodichloromethane	<0.00478		0.176	0.124		mg/kg dry	*	71	19 - 148	45	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1787-MSD1**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Tract 37 SS-1**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Bromoform	<0.00478		0.176	0.103		mg/kg dry	*	58	10 - 165	49	50
Bromomethane	<0.00573	L	0.176	0.132	R2	mg/kg dry	*	75	10 - 164	57	50
2-Butanone	0.120	J	0.880	1.04	R2	mg/kg dry	*	105	18 - 153	51	50
Carbon disulfide	0.0789		0.176	0.142		mg/kg dry	*	36	32 - 144	48	50
Carbon Tetrachloride	<0.00478		0.176	0.0664		mg/kg dry	*	38	31 - 149	46	50
Chlorobenzene	0.321		0.176	0.401		mg/kg dry	*	45	25 - 152	12	50
Chlorodibromomethane	<0.00478		0.176	0.127		mg/kg dry	*	72	14 - 146	46	50
Chloroethane	<0.0119		0.176	0.115	R2	mg/kg dry	*	65	10 - 151	64	50
Chloroform	<0.00621		0.176	0.149		mg/kg dry	*	84	34 - 160	41	49
Chloromethane	<0.00525		0.176	0.0972	R2	mg/kg dry	*	55	10 - 156	54	50
Cyclohexane	<0.0239		0.176	0.126		mg/kg dry	*	72	32 - 158	42	50
1,2-Dibromo-3-chloropropane	<0.0119		0.176	0.149		mg/kg dry	*	85	10 - 147	40	50
1,2-Dibromoethane (EDB)	<0.00478		0.176	0.152		mg/kg dry	*	87	18 - 156	45	50
Methylcyclohexane	<0.0239		0.176	0.106		mg/kg dry	*	60	29 - 167	33	50
1,2-Dichlorobenzene	<0.00478		0.176	0.127		mg/kg dry	*	72	10 - 160	27	50
1,3-Dichlorobenzene	0.0146		0.176	0.132		mg/kg dry	*	67	10 - 162	25	50
1,4-Dichlorobenzene	0.0146		0.176	0.145		mg/kg dry	*	74	11 - 159	29	50
Dichlorodifluoromethane	<0.00669		0.176	0.0829	R2	mg/kg dry	*	47	10 - 143	52	50
1,2-Dichloroethane	<0.00525		0.176	0.150		mg/kg dry	*	85	28 - 138	41	50
1,1-Dichloroethane	<0.00621		0.176	0.146		mg/kg dry	*	83	42 - 136	45	50
1,1-Dichloroethene	<0.00573		0.176	0.133	R2	mg/kg dry	*	76	41 - 143	51	50
trans-1,2-Dichloroethene	<0.00621		0.176	0.141		mg/kg dry	*	80	39 - 140	46	50
1,1,2-Trifluorotrchloroethane	<0.00525		0.176	0.137		mg/kg dry	*	78	42 - 147	47	50
cis-1,2-Dichloroethene	<0.00525		0.176	0.147		mg/kg dry	*	83	36 - 139	43	50
1,2-Dichloropropane	<0.00478		0.176	0.141		mg/kg dry	*	80	20 - 146	39	50
trans-1,3-Dichloropropene	<0.00478		0.176	0.139		mg/kg dry	*	79	10 - 157	46	50
cis-1,3-Dichloropropene	<0.00478		0.176	0.159		mg/kg dry	*	90	15 - 166	50	50
Ethylbenzene	0.00549	J	0.176	0.138		mg/kg dry	*	75	23 - 161	41	50
2-Hexanone	<0.119		0.880	0.918	R2	mg/kg dry	*	104	10 - 169	58	50
Isopropylbenzene	<0.00525		0.176	0.129		mg/kg dry	*	73	23 - 181	35	50
Methyl Acetate	<0.0239		0.176	0.247		mg/kg dry	*	141	10 - 200	47	50
Methyl tert-Butyl Ether	<0.00478		0.176	0.165		mg/kg dry	*	94	28 - 141	38	50
Methylene Chloride	<0.0239		0.176	0.177	B	mg/kg dry	*	101	24 - 182	40	50
4-Methyl-2-pentanone	<0.119		0.880	1.09		mg/kg dry	*	124	10 - 168	45	50
Styrene	<0.00525		0.176	0.113		mg/kg dry	*	64	10 - 165	48	50
1,1,1,2-Tetrachloroethane	<0.00478		0.176	0.201		mg/kg dry	*	114	10 - 162	36	50
Tetrachloroethene	0.0241		0.176	0.141		mg/kg dry	*	66	33 - 161	42	50
Toluene	0.00626	J	0.176	0.159		mg/kg dry	*	87	30 - 155	44	50
1,2,4-Trichlorobenzene	<0.00573		0.176	0.0576		mg/kg dry	*	33	10 - 167	24	50
1,2,3-Trichlorobenzene	<0.00525		0.176	0.0525	B	mg/kg dry	*	30	10 - 157	14	50
1,1,1-Trichloroethane	<0.00478		0.176	0.136		mg/kg dry	*	77	35 - 149	46	50
1,1,2-Trichloroethane	<0.0119		0.176	0.159		mg/kg dry	*	90	19 - 157	45	50
Trichloroethene	<0.00478		0.176	0.140		mg/kg dry	*	80	27 - 153	43	50
Trichlorofluoromethane	<0.00478		0.176	0.100	R2	mg/kg dry	*	57	25 - 137	51	50
Vinyl chloride	<0.00478		0.176	0.106	R2	mg/kg dry	*	60	20 - 141	55	50
Xylenes, total	<0.0119		0.528	0.393		mg/kg dry	*	74	25 - 162	40	50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
1,2-Dichloroethane-d4	121		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1787-MSD1**

**Matrix: Soil**

**Analysis Batch: V004252**

**Client Sample ID: Tract 37 SS-1**

**Prep Type: Total**

**Prep Batch: 12C1787\_P**

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
Dibromofluoromethane	114		70 - 130
Toluene-d8	109		70 - 130
4-Bromofluorobenzene	127		70 - 130

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

**Lab Sample ID: 12C0563-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0563-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	86		18 - 120	03/05/12 05:30	03/05/12 21:23	1.00
2,4,6-Tribromophenol	66		19 - 120	03/05/12 05:30	03/05/12 21:23	1.00
Phenol-d5	72		18 - 120	03/05/12 05:30	03/05/12 21:23	1.00
2-Fluorobiphenyl	67		14 - 120	03/05/12 05:30	03/05/12 21:23	1.00
2-Fluorophenol	69		17 - 120	03/05/12 05:30	03/05/12 21:23	1.00
Nitrobenzene-d5	66		17 - 120	03/05/12 05:30	03/05/12 21:23	1.00

**Lab Sample ID: 12C0563-BS1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.35	MNR1	mg/kg wet		81	36 - 120
Acenaphthylene	1.67	1.19	MNR1	mg/kg wet		71	38 - 120
Anthracene	1.67	1.35	MNR1	mg/kg wet		81	46 - 124
Benzo (a) anthracene	1.67	1.31	MNR1	mg/kg wet		78	45 - 120
Benzo (a) pyrene	1.67	1.35	MNR1	mg/kg wet		81	45 - 120
Benzo (b) fluoranthene	1.67	1.33	MNR1	mg/kg wet		80	42 - 120
Benzo (g,h,i) perylene	1.67	1.31	MNR1	mg/kg wet		79	38 - 120
Benzo (k) fluoranthene	1.67	1.25	MNR1	mg/kg wet		75	42 - 120
4-Bromophenyl phenyl ether	1.67	1.26	MNR1	mg/kg wet		76	40 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0563-BS1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Butyl benzyl phthalate	1.67	1.52	MNR1	mg/kg wet		91	43 - 133
Carbazole	1.67	1.36	MNR1	mg/kg wet		82	44 - 120
4-Chloro-3-methylphenol	1.67	1.24	MNR1	mg/kg wet		74	38 - 120
4-Chloroaniline	1.67	1.22	MNR1	mg/kg wet		73	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.21	MNR1	mg/kg wet		73	32 - 120
Bis(2-chloroethyl)ether	1.67	1.36	MNR1	mg/kg wet		82	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.31	MNR1	mg/kg wet		79	32 - 120
2-Chloronaphthalene	1.67	1.06	MNR1	mg/kg wet		63	34 - 120
2-Chlorophenol	1.67	1.39	MNR1	mg/kg wet		84	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.25	MNR1	mg/kg wet		75	42 - 120
Chrysene	1.67	1.29	MNR1	mg/kg wet		78	43 - 120
Dibenz (a,h) anthracene	1.67	1.34	MNR1	mg/kg wet		81	32 - 128
Dibenzofuran	1.67	1.36	MNR1	mg/kg wet		82	41 - 120
Di-n-butyl phthalate	1.67	1.37	MNR1	mg/kg wet		82	46 - 127
1,4-Dichlorobenzene	1.67	1.02	MNR1	mg/kg wet		61	32 - 120
1,2-Dichlorobenzene	1.67	1.05	MNR1	mg/kg wet		63	33 - 120
1,3-Dichlorobenzene	1.67	1.04	MNR1	mg/kg wet		62	32 - 120
3,3-Dichlorobenzidine	1.67	1.34	MNR1	mg/kg wet		80	39 - 120
2,4-Dichlorophenol	1.67	1.13	MNR1	mg/kg wet		68	32 - 120
Diethyl phthalate	1.67	1.34	MNR1	mg/kg wet		81	41 - 122
2,4-Dimethylphenol	1.67	1.28	MNR1	mg/kg wet		77	32 - 120
Dimethyl phthalate	1.67	1.27	MNR1	mg/kg wet		76	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.47	MNR1	mg/kg wet		88	27 - 134
2,4-Dinitrophenol	1.67	1.36	MNR1	mg/kg wet		82	23 - 142
2,6-Dinitrotoluene	1.67	1.08	MNR1	mg/kg wet		65	43 - 120
2,4-Dinitrotoluene	1.67	1.09	MNR1	mg/kg wet		65	43 - 120
Di-n-octyl phthalate	1.67	1.55	MNR1	mg/kg wet		93	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	1.57	MNR1	mg/kg wet		94	43 - 120
Fluoranthene	1.67	1.31	MNR1	mg/kg wet		79	46 - 120
Fluorene	1.67	1.31	MNR1	mg/kg wet		79	42 - 120
Hexachlorobenzene	1.67	1.30	MNR1	mg/kg wet		78	44 - 120
Hexachlorobutadiene	1.67	1.15	MNR1	mg/kg wet		69	31 - 120
Hexachlorocyclopentadiene	1.67	0.864	MNR1	mg/kg wet		52	24 - 120
Hexachloroethane	1.67	1.28	MNR1	mg/kg wet		77	33 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.33	MNR1	mg/kg wet		80	41 - 121
Isophorone	1.67	0.948	MNR1	mg/kg wet		57	33 - 120
2-Methylnaphthalene	1.67	1.14	MNR1	mg/kg wet		69	28 - 120
2-Methylphenol	1.67	1.13	MNR1	mg/kg wet		68	36 - 120
3/4-Methylphenol	1.67	1.15	MNR1	mg/kg wet		69	37 - 120
Naphthalene	1.67	1.28	MNR1	mg/kg wet		77	32 - 120
3-Nitroaniline	1.67	1.42	MNR1	mg/kg wet		85	42 - 120
2-Nitroaniline	1.67	1.48	MNR1	mg/kg wet		89	40 - 120
4-Nitroaniline	1.67	1.42	MNR1	mg/kg wet		85	43 - 120
Nitrobenzene	1.67	0.927	MNR1	mg/kg wet		56	26 - 120
4-Nitrophenol	1.67	1.53	MNR1	mg/kg wet		92	32 - 136
2-Nitrophenol	1.67	1.14	MNR1	mg/kg wet		69	29 - 120
N-Nitrosodiphenylamine	1.67	1.64	MNR1	mg/kg wet		98	52 - 140
N-Nitrosodi-n-propylamine	1.67	1.38	MNR1	mg/kg wet		83	35 - 120
Pentachlorophenol	1.67	1.51	MNR1	mg/kg wet		90	44 - 134
Phenanthrene	1.67	1.32	MNR1	mg/kg wet		79	45 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0563-BS1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	1.67	1.46	MNR1	mg/kg wet		88	30 - 120
Pyrene	1.67	1.33	MNR1	mg/kg wet		80	43 - 120
1,2,4-Trichlorobenzene	1.67	0.861	MNR1	mg/kg wet		52	29 - 120
2,4,6-Trichlorophenol	1.67	1.36	MNR1	mg/kg wet		82	39 - 120
2,4,5-Trichlorophenol	1.67	1.05	MNR1	mg/kg wet		63	39 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	81		18 - 120
2,4,6-Tribromophenol	61		19 - 120
Phenol-d5	70		18 - 120
2-Fluorobiphenyl	65		14 - 120
2-Fluorophenol	69		17 - 120
Nitrobenzene-d5	59		17 - 120

**Lab Sample ID: 12C0563-MS1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	<0.0407		2.03	1.64		mg/kg dry	☼	81	19 - 120
Acenaphthylene	<0.0407		2.03	1.45		mg/kg dry	☼	72	25 - 120
Anthracene	<0.0407		2.03	1.61		mg/kg dry	☼	80	28 - 125
Benzo (a) anthracene	<0.0407		2.03	1.58		mg/kg dry	☼	78	23 - 120
Benzo (a) pyrene	<0.0407		2.03	1.63		mg/kg dry	☼	80	15 - 128
Benzo (b) fluoranthene	<0.0407		2.03	1.54		mg/kg dry	☼	76	12 - 133
Benzo (g,h,i) perylene	<0.0407		2.03	1.45		mg/kg dry	☼	71	22 - 120
Benzo (k) fluoranthene	<0.0407		2.03	1.65		mg/kg dry	☼	81	28 - 120
4-Bromophenyl phenyl ether	<0.200		2.03	1.53		mg/kg dry	☼	75	31 - 120
Butyl benzyl phthalate	<0.200		2.03	1.80		mg/kg dry	☼	89	24 - 133
Carbazole	<0.200		2.03	1.61		mg/kg dry	☼	80	25 - 123
4-Chloro-3-methylphenol	<0.200		2.03	1.47		mg/kg dry	☼	72	21 - 120
4-Chloroaniline	<0.200		2.03	1.44		mg/kg dry	☼	71	26 - 120
Bis(2-chloroethoxy)methane	<0.200		2.03	1.43		mg/kg dry	☼	71	24 - 120
Bis(2-chloroethyl)ether	<0.200		2.03	1.65		mg/kg dry	☼	81	22 - 120
Bis(2-chloroisopropyl)ether	<0.200		2.03	1.55		mg/kg dry	☼	76	20 - 120
2-Chloronaphthalene	<0.200		2.03	1.26		mg/kg dry	☼	62	24 - 120
2-Chlorophenol	<0.200		2.03	1.62		mg/kg dry	☼	80	25 - 120
4-Chlorophenyl phenyl ether	<0.200		2.03	1.53		mg/kg dry	☼	76	26 - 120
Chrysene	<0.0407		2.03	1.61		mg/kg dry	☼	79	20 - 120
Dibenz (a,h) anthracene	<0.0407		2.03	1.50		mg/kg dry	☼	74	12 - 128
Dibenzofuran	<0.200		2.03	1.67		mg/kg dry	☼	82	21 - 120
Di-n-butyl phthalate	<0.200		2.03	1.69		mg/kg dry	☼	84	29 - 126
1,4-Dichlorobenzene	<0.200		2.03	1.19		mg/kg dry	☼	59	10 - 120
1,2-Dichlorobenzene	<0.200		2.03	1.20		mg/kg dry	☼	59	10 - 120
1,3-Dichlorobenzene	<0.200		2.03	1.22		mg/kg dry	☼	60	10 - 120
3,3-Dichlorobenzidine	<0.200		2.03	1.60		mg/kg dry	☼	79	10 - 120
2,4-Dichlorophenol	<0.200		2.03	1.35		mg/kg dry	☼	67	17 - 120
Diethyl phthalate	<0.200		2.03	1.62		mg/kg dry	☼	80	29 - 122
2,4-Dimethylphenol	<0.230		2.03	1.49		mg/kg dry	☼	73	17 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0563-MS1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Dimethyl phthalate	<0.200		2.03	1.53		mg/kg dry	*	75		30 - 120
4,6-Dinitro-2-methylphenol	<0.200		2.03	1.20		mg/kg dry	*	59		10 - 134
2,4-Dinitrophenol	<0.200		2.03	0.875		mg/kg dry	*	43		10 - 150
2,6-Dinitrotoluene	<0.200		2.03	1.29		mg/kg dry	*	64		24 - 120
2,4-Dinitrotoluene	<0.200		2.03	1.36		mg/kg dry	*	67		24 - 121
Di-n-octyl phthalate	<0.200		2.03	1.99		mg/kg dry	*	98		27 - 130
Bis(2-ethylhexyl)phthalate	<0.200		2.03	2.07		mg/kg dry	*	102		26 - 120
Fluoranthene	<0.0407		2.03	1.62		mg/kg dry	*	80		10 - 143
Fluorene	<0.0407		2.03	1.61		mg/kg dry	*	79		20 - 120
Hexachlorobenzene	<0.200		2.03	1.57		mg/kg dry	*	77		25 - 120
Hexachlorobutadiene	<0.200		2.03	1.27		mg/kg dry	*	63		10 - 120
Hexachlorocyclopentadiene	<0.200		2.03	0.662		mg/kg dry	*	33		10 - 120
Hexachloroethane	<0.200		2.03	1.55		mg/kg dry	*	77		10 - 120
Indeno (1,2,3-cd) pyrene	<0.0407		2.03	1.50		mg/kg dry	*	74		22 - 121
Isophorone	<0.200		2.03	1.13		mg/kg dry	*	56		24 - 120
2-Methylnaphthalene	<0.0407		2.03	1.37		mg/kg dry	*	67		13 - 120
2-Methylphenol	<0.200		2.03	1.35		mg/kg dry	*	66		23 - 120
3/4-Methylphenol	<0.200		2.03	1.33		mg/kg dry	*	66		19 - 120
Naphthalene	<0.0407		2.03	1.49		mg/kg dry	*	74		10 - 120
3-Nitroaniline	<0.200		2.03	1.72		mg/kg dry	*	85		31 - 120
2-Nitroaniline	<0.200		2.03	1.72		mg/kg dry	*	85		31 - 120
4-Nitroaniline	<0.200		2.03	1.75		mg/kg dry	*	87		28 - 120
Nitrobenzene	<0.200		2.03	1.09		mg/kg dry	*	54		19 - 120
4-Nitrophenol	<0.200		2.03	1.86		mg/kg dry	*	92		16 - 139
2-Nitrophenol	<0.235		2.03	1.36		mg/kg dry	*	67		23 - 120
N-Nitrosodiphenylamine	<0.219		2.03	1.97		mg/kg dry	*	97		26 - 150
N-Nitrosodi-n-propylamine	<0.200		2.03	1.71		mg/kg dry	*	85		24 - 120
Pentachlorophenol	<0.200		2.03	1.91		mg/kg dry	*	94		19 - 145
Phenanthrene	<0.0407		2.03	1.62		mg/kg dry	*	80		21 - 122
Phenol	<0.200		2.03	1.72		mg/kg dry	*	85		15 - 120
Pyrene	<0.0407		2.03	1.59		mg/kg dry	*	78		20 - 123
1,2,4-Trichlorobenzene	<0.200		2.03	0.979		mg/kg dry	*	48		14 - 120
2,4,6-Trichlorophenol	<0.200		2.03	1.63		mg/kg dry	*	80		24 - 122
2,4,5-Trichlorophenol	<0.200		2.03	1.26		mg/kg dry	*	62		27 - 120

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Terphenyl-d14	72		18 - 120
2,4,6-Tribromophenol	57		19 - 120
Phenol-d5	67		18 - 120
2-Fluorobiphenyl	60		14 - 120
2-Fluorophenol	62		17 - 120
Nitrobenzene-d5	54		17 - 120

**Lab Sample ID: 12C0563-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acenaphthene	<0.0407		2.03	1.46		mg/kg dry	*	72		19 - 120	12	50

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12C0563-MSD1

Matrix: Soil

Analysis Batch: 12C0563

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 12C0563\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Acenaphthylene	<0.0407		2.03	1.27		mg/kg dry	*	62	25 - 120	14	50
Anthracene	<0.0407		2.03	1.43		mg/kg dry	*	70	28 - 125	12	49
Benzo (a) anthracene	<0.0407		2.03	1.42		mg/kg dry	*	70	23 - 120	11	50
Benzo (a) pyrene	<0.0407		2.03	1.45		mg/kg dry	*	71	15 - 128	12	50
Benzo (b) fluoranthene	<0.0407		2.03	1.52		mg/kg dry	*	75	12 - 133	2	50
Benzo (g,h,i) perylene	<0.0407		2.03	1.29		mg/kg dry	*	64	22 - 120	11	50
Benzo (k) fluoranthene	<0.0407		2.03	1.31		mg/kg dry	*	65	28 - 120	23	45
4-Bromophenyl phenyl ether	<0.200		2.03	1.39		mg/kg dry	*	68	31 - 120	10	37
Butyl benzyl phthalate	<0.200		2.03	1.51		mg/kg dry	*	74	24 - 133	17	50
Carbazole	<0.200		2.03	1.43		mg/kg dry	*	70	25 - 123	12	46
4-Chloro-3-methylphenol	<0.200		2.03	1.29		mg/kg dry	*	63	21 - 120	13	49
4-Chloroaniline	<0.200		2.03	1.31		mg/kg dry	*	64	26 - 120	10	50
Bis(2-chloroethoxy)methane	<0.200		2.03	1.26		mg/kg dry	*	62	24 - 120	12	50
Bis(2-chloroethyl)ether	<0.200		2.03	1.39		mg/kg dry	*	68	22 - 120	17	50
Bis(2-chloroisopropyl)ether	<0.200		2.03	1.42		mg/kg dry	*	70	20 - 120	8	50
2-Chloronaphthalene	<0.200		2.03	1.10		mg/kg dry	*	54	24 - 120	14	50
2-Chlorophenol	<0.200		2.03	1.40		mg/kg dry	*	69	25 - 120	15	50
4-Chlorophenyl phenyl ether	<0.200		2.03	1.28		mg/kg dry	*	63	26 - 120	18	50
Chrysene	<0.0407		2.03	1.43		mg/kg dry	*	70	20 - 120	12	49
Dibenz (a,h) anthracene	<0.0407		2.03	1.33		mg/kg dry	*	65	12 - 128	12	50
Dibenzofuran	<0.200		2.03	1.49		mg/kg dry	*	73	21 - 120	12	50
Di-n-butyl phthalate	<0.200		2.03	1.46		mg/kg dry	*	72	29 - 126	15	49
1,4-Dichlorobenzene	<0.200		2.03	1.07		mg/kg dry	*	53	10 - 120	11	50
1,2-Dichlorobenzene	<0.200		2.03	1.09		mg/kg dry	*	54	10 - 120	9	50
1,3-Dichlorobenzene	<0.200		2.03	1.07		mg/kg dry	*	52	10 - 120	13	50
3,3-Dichlorobenzidine	<0.200		2.03	1.44		mg/kg dry	*	71	10 - 120	11	50
2,4-Dichlorophenol	<0.200		2.03	1.26		mg/kg dry	*	62	17 - 120	7	50
Diethyl phthalate	<0.200		2.03	1.40		mg/kg dry	*	69	29 - 122	15	45
2,4-Dimethylphenol	<0.230		2.03	1.37		mg/kg dry	*	67	17 - 120	8	50
Dimethyl phthalate	<0.200		2.03	1.32		mg/kg dry	*	65	30 - 120	15	46
4,6-Dinitro-2-methylphenol	<0.200		2.03	1.08		mg/kg dry	*	53	10 - 134	10	50
2,4-Dinitrophenol	<0.200		2.03	0.701		mg/kg dry	*	34	10 - 150	22	50
2,6-Dinitrotoluene	<0.200		2.03	1.13		mg/kg dry	*	56	24 - 120	14	50
2,4-Dinitrotoluene	<0.200		2.03	1.16		mg/kg dry	*	57	24 - 121	16	50
Di-n-octyl phthalate	<0.200		2.03	1.68		mg/kg dry	*	82	27 - 130	17	50
Bis(2-ethylhexyl)phthalate	<0.200		2.03	1.64		mg/kg dry	*	81	26 - 120	23	50
Fluoranthene	<0.0407		2.03	1.46		mg/kg dry	*	72	10 - 143	11	50
Fluorene	<0.0407		2.03	1.41		mg/kg dry	*	69	20 - 120	13	50
Hexachlorobenzene	<0.200		2.03	1.40		mg/kg dry	*	69	25 - 120	11	50
Hexachlorobutadiene	<0.200		2.03	1.24		mg/kg dry	*	61	10 - 120	3	50
Hexachlorocyclopentadiene	<0.200		2.03	0.650		mg/kg dry	*	32	10 - 120	2	50
Hexachloroethane	<0.200		2.03	1.31		mg/kg dry	*	64	10 - 120	17	50
Indeno (1,2,3-cd) pyrene	<0.0407		2.03	1.33		mg/kg dry	*	66	22 - 121	12	50
Isophorone	<0.200		2.03	0.998		mg/kg dry	*	49	24 - 120	12	50
2-Methylnaphthalene	<0.0407		2.03	1.25		mg/kg dry	*	62	13 - 120	9	50
2-Methylphenol	<0.200		2.03	1.18		mg/kg dry	*	58	23 - 120	13	50
3/4-Methylphenol	<0.200		2.03	1.15		mg/kg dry	*	57	19 - 120	15	50
Naphthalene	<0.0407		2.03	1.33		mg/kg dry	*	66	10 - 120	11	50
3-Nitroaniline	<0.200		2.03	1.47		mg/kg dry	*	72	31 - 120	16	49
2-Nitroaniline	<0.200		2.03	1.51		mg/kg dry	*	74	31 - 120	13	50

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0563-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
4-Nitroaniline	<0.200		2.03	1.45		mg/kg dry	☼	71	28 - 120	19		49
Nitrobenzene	<0.200		2.03	0.967		mg/kg dry	☼	48	19 - 120	12		50
4-Nitrophenol	<0.200		2.03	1.51		mg/kg dry	☼	74	16 - 139	21		45
2-Nitrophenol	<0.235		2.03	1.24		mg/kg dry	☼	61	23 - 120	9		50
N-Nitrosodiphenylamine	<0.219		2.03	1.71		mg/kg dry	☼	84	26 - 150	14		50
N-Nitrosodi-n-propylamine	<0.200		2.03	1.40		mg/kg dry	☼	69	24 - 120	20		50
Pentachlorophenol	<0.200		2.03	1.64		mg/kg dry	☼	81	19 - 145	15		50
Phenanthrene	<0.0407		2.03	1.44		mg/kg dry	☼	71	21 - 122	12		50
Phenol	<0.200		2.03	1.47		mg/kg dry	☼	72	15 - 120	16		50
Pyrene	<0.0407		2.03	1.37		mg/kg dry	☼	68	20 - 123	14		50
1,2,4-Trichlorobenzene	<0.200		2.03	0.909		mg/kg dry	☼	45	14 - 120	7		50
2,4,6-Trichlorophenol	<0.200		2.03	1.45		mg/kg dry	☼	71	24 - 122	11		50
2,4,5-Trichlorophenol	<0.200		2.03	1.13		mg/kg dry	☼	56	27 - 120	11		50

**Matrix Spike Dup    Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
Terphenyl-d14	69		18 - 120
2,4,6-Tribromophenol	54		19 - 120
Phenol-d5	62		18 - 120
2-Fluorobiphenyl	58		14 - 120
2-Fluorophenol	60		17 - 120
Nitrobenzene-d5	51		17 - 120

**Lab Sample ID: 12C0573-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0573**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0573\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Anthracene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Carbazole	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Chrysene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0573-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0573**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0573\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Fluorene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Isophorone	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Phenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Pyrene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	101		13 - 120	03/03/12 11:00	03/03/12 21:02	1.00
2,4,6-Tribromophenol	67		10 - 120	03/03/12 11:00	03/03/12 21:02	1.00
Phenol-d5	30		10 - 120	03/03/12 11:00	03/03/12 21:02	1.00
2-Fluorobiphenyl	74		29 - 120	03/03/12 11:00	03/03/12 21:02	1.00
2-Fluorophenol	50		10 - 120	03/03/12 11:00	03/03/12 21:02	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0573-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C0573**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C0573\_P**

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	81		27 - 120	03/03/12 11:00	03/03/12 21:02	1.00

**Lab Sample ID: 12C0573-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C0573**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C0573\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	41.3	MNR1	ug/L		83	46 - 120
Acenaphthylene	50.0	36.4	MNR1	ug/L		73	48 - 120
Anthracene	50.0	45.6	MNR1	ug/L		91	58 - 130
Benzo (a) anthracene	50.0	46.2	MNR1	ug/L		92	57 - 120
Benzo (a) pyrene	50.0	46.7	MNR1	ug/L		93	57 - 124
Benzo (b) fluoranthene	50.0	48.4	MNR1	ug/L		97	51 - 125
Benzo (g,h,i) perylene	50.0	44.1	MNR1	ug/L		88	51 - 123
Benzo (k) fluoranthene	50.0	38.4	MNR1	ug/L		77	51 - 120
4-Bromophenyl phenyl ether	50.0	46.7	MNR1	ug/L		93	47 - 127
Butyl benzyl phthalate	50.0	52.9	MNR1	ug/L		106	51 - 146
Carbazole	50.0	46.0	MNR1	ug/L		92	54 - 123
4-Chloro-3-methylphenol	50.0	36.7	MNR1	ug/L		73	44 - 120
4-Chloroaniline	50.0	38.1	MNR1	ug/L		76	44 - 120
Bis(2-chloroethoxy)methane	50.0	40.1	MNR1	ug/L		80	44 - 120
Bis(2-chloroethyl)ether	50.0	47.5	MNR1	ug/L		95	47 - 120
Bis(2-chloroisopropyl)ether	50.0	45.9	MNR1	ug/L		92	44 - 120
2-Chloronaphthalene	50.0	30.7	MNR1	ug/L		61	39 - 120
2-Chlorophenol	50.0	43.5	MNR1	ug/L		87	40 - 120
4-Chlorophenyl phenyl ether	50.0	40.3	MNR1	ug/L		81	50 - 120
Chrysene	50.0	45.9	MNR1	ug/L		92	55 - 120
Dibenz (a,h) anthracene	50.0	45.0	MNR1	ug/L		90	50 - 125
Dibenzofuran	50.0	43.0	MNR1	ug/L		86	50 - 120
Di-n-butyl phthalate	50.0	48.3	MNR1	ug/L		97	54 - 140
1,4-Dichlorobenzene	50.0	27.2	MNR1	ug/L		54	31 - 120
1,2-Dichlorobenzene	50.0	27.7	MNR1	ug/L		55	32 - 120
1,3-Dichlorobenzene	50.0	27.0	MNR1	ug/L		54	32 - 120
3,3-Dichlorobenzidine	50.0	43.7	MNR1	ug/L		87	46 - 129
2,4-Dichlorophenol	50.0	36.7	MNR1	ug/L		73	38 - 120
Diethyl phthalate	50.0	43.7	MNR1	ug/L		87	54 - 128
2,4-Dimethylphenol	50.0	39.3	MNR1	ug/L		79	21 - 126
Dimethyl phthalate	50.0	42.5	MNR1	ug/L		85	53 - 127
4,6-Dinitro-2-methylphenol	50.0	50.9	MNR1	ug/L		102	19 - 150
2,4-Dinitrophenol	50.0	47.5	MNR1	ug/L		95	20 - 150
2,6-Dinitrotoluene	50.0	34.2	MNR1	ug/L		68	54 - 128
2,4-Dinitrotoluene	50.0	35.4	MNR1	ug/L		71	46 - 132
Di-n-octyl phthalate	50.0	53.9	MNR1	ug/L		108	50 - 142
Bis(2-ethylhexyl)phthalate	50.0	56.9	MNR1	ug/L		114	47 - 138
Fluoranthene	50.0	44.6	MNR1	ug/L		89	56 - 120
Fluorene	50.0	42.7	MNR1	ug/L		85	52 - 120
Hexachlorobenzene	50.0	47.3	MNR1	ug/L		95	48 - 131
Hexachlorobutadiene	50.0	27.5	MNR1	ug/L		55	28 - 120
Hexachlorocyclopentadiene	50.0	20.0	MNR1	ug/L		40	17 - 120



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0573-BS1**

**Matrix: Water**

**Analysis Batch: 12C0573**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0573\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachloroethane	50.0	31.5	MNR1	ug/L		63	30 - 120
Indeno (1,2,3-cd) pyrene	50.0	44.7	MNR1	ug/L		89	54 - 125
Isophorone	50.0	31.5	MNR1	ug/L		63	47 - 120
2-Methylnaphthalene	50.0	31.2	MNR1	ug/L		62	31 - 120
2-Methylphenol	50.0	30.2	MNR1	ug/L		60	38 - 120
Naphthalene	50.0	34.3	MNR1	ug/L		69	37 - 120
3/4-Methylphenol	50.0	27.2	MNR1	ug/L		54	33 - 120
3-Nitroaniline	50.0	44.9	MNR1	ug/L		90	54 - 121
2-Nitroaniline	50.0	47.4	MNR1	ug/L		95	46 - 131
4-Nitroaniline	50.0	44.1	MNR1	ug/L		88	55 - 123
Nitrobenzene	50.0	28.9	MNR1	ug/L		58	36 - 120
4-Nitrophenol	50.0	15.5	MNR1 J	ug/L		31	10 - 120
2-Nitrophenol	50.0	38.3	MNR1	ug/L		77	32 - 120
N-Nitrosodiphenylamine	50.0	55.6	MNR1	ug/L		111	58 - 149
N-Nitrosodi-n-propylamine	50.0	47.0	MNR1	ug/L		94	51 - 120
Pentachlorophenol	50.0	53.9	MNR1	ug/L		108	21 - 150
Phenanthrene	50.0	45.1	MNR1	ug/L		90	56 - 120
Phenol	50.0	18.2	MNR1	ug/L		36	14 - 120
Pyrene	50.0	47.7	MNR1	ug/L		95	53 - 129
1,2,4-Trichlorobenzene	50.0	21.9	MNR1	ug/L		44	30 - 120
2,4,6-Trichlorophenol	50.0	45.0	MNR1	ug/L		90	39 - 135
2,4,5-Trichlorophenol	50.0	34.5	MNR1	ug/L		69	40 - 129

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	94		13 - 120
2,4,6-Tribromophenol	70		10 - 120
Phenol-d5	24		10 - 120
2-Fluorobiphenyl	67		29 - 120
2-Fluorophenol	43		10 - 120
Nitrobenzene-d5	63		27 - 120

## Method: SW846 6010C - Total Metals by EPA 6010C

**Lab Sample ID: 12C0798-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C0798**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0798\_P**

Analyte	Blank Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<9.98		20.0	9.98	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Antimony	<4.99		9.98	4.99	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Arsenic	<0.499		0.998	0.499	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Barium	<0.998		2.00	0.998	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Beryllium	<0.499		0.998	0.499	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Cadmium	<0.499		0.998	0.499	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Calcium	<49.9		99.8	49.9	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Chromium	<0.499		0.998	0.499	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Cobalt	<1.50		2.99	1.50	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Copper	<0.998		2.00	0.998	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Iron	13.3	B1	9.98	4.99	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C0798-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C0798**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C0798\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.499		0.998	0.499	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Magnesium	<49.9		99.8	49.9	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Manganese	<1.50		2.99	1.50	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Nickel	<0.998		2.00	0.998	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Potassium	<49.9		99.8	49.9	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Selenium	<0.998		2.00	0.998	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Silver	<0.499		0.998	0.499	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Sodium	<99.8		200	99.8	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Thallium	<0.998		2.00	0.998	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Vanadium	<4.99		9.98	4.99	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00
Zinc	<4.99		9.98	4.99	mg/kg wet		03/06/12 10:09	03/14/12 00:59	1.00

**Lab Sample ID: 12C0798-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C0798**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C0798\_P**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
Aluminum	802	857		mg/kg wet		107		80 - 120
Antimony	40.1	48.2		mg/kg wet		120		80 - 120
Arsenic	20.0	21.0		mg/kg wet		105		80 - 120
Barium	802	886		mg/kg wet		110		80 - 120
Beryllium	20.0	22.4		mg/kg wet		112		80 - 120
Cadmium	20.0	22.1		mg/kg wet		110		80 - 120
Calcium	2000	2180		mg/kg wet		109		80 - 120
Chromium	80.2	86.3		mg/kg wet		108		80 - 120
Cobalt	200	220		mg/kg wet		110		80 - 120
Copper	100	108		mg/kg wet		108		80 - 120
Lead	20.0	22.9		mg/kg wet		114		80 - 120
Magnesium	2000	2180		mg/kg wet		109		80 - 120
Manganese	200	221		mg/kg wet		110		80 - 120
Nickel	200	224		mg/kg wet		112		80 - 120
Potassium	2000	2090		mg/kg wet		104		80 - 120
Selenium	20.0	23.0		mg/kg wet		115		80 - 120
Silver	20.0	20.9		mg/kg wet		104		75 - 125
Sodium	2000	2110		mg/kg wet		105		80 - 120
Thallium	20.0	22.7		mg/kg wet		113		80 - 120
Vanadium	200	224		mg/kg wet		112		80 - 120
Zinc	200	222		mg/kg wet		111		80 - 120

**Lab Sample ID: 12C0798-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C0798**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C0798\_P**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
Iron	401	429	B	mg/kg wet		107		80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C0798-MS1**

**Matrix: Soil**

**Analysis Batch: 12C0798**

**Client Sample ID: Tract 37 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0798\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Aluminum	18100	MHA	1060	25900	MHA	mg/kg dry	☼	736	75 - 125
Antimony	<6.53		53.2	56.9		mg/kg dry	☼	107	75 - 125
Arsenic	4.65		26.6	30.4		mg/kg dry	☼	97	75 - 125
Barium	33.9		1060	1140		mg/kg dry	☼	104	75 - 125
Beryllium	<0.653		26.6	28.3		mg/kg dry	☼	106	75 - 125
Cadmium	<0.653		26.6	28.1		mg/kg dry	☼	106	75 - 125
Calcium	1440		2660	4110		mg/kg dry	☼	100	75 - 125
Chromium	24.0		106	135		mg/kg dry	☼	104	75 - 125
Cobalt	<1.96		266	288		mg/kg dry	☼	108	75 - 125
Copper	<1.31		133	136		mg/kg dry	☼	102	75 - 125
Iron	16600	MHA B	532	16700	MHA B	mg/kg dry	☼	21	75 - 125
Lead	10.1		26.6	39.8		mg/kg dry	☼	112	75 - 125
Magnesium	1260		2660	4100		mg/kg dry	☼	107	75 - 125
Manganese	43.2		266	317		mg/kg dry	☼	103	75 - 125
Nickel	5.33		266	299		mg/kg dry	☼	110	75 - 125
Potassium	623		2660	3530		mg/kg dry	☼	109	75 - 125
Selenium	<1.31		26.6	27.5		mg/kg dry	☼	103	75 - 125
Silver	<0.653		26.6	24.8		mg/kg dry	☼	93	75 - 125
Sodium	<131		2660	2700		mg/kg dry	☼	101	75 - 125
Thallium	<1.31		26.6	28.5		mg/kg dry	☼	107	75 - 125
Vanadium	31.5		266	312		mg/kg dry	☼	106	75 - 125
Zinc	18.1		266	297		mg/kg dry	☼	105	75 - 125

**Lab Sample ID: 12C0798-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C0798**

**Client Sample ID: Tract 37 SB-1 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0798\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Aluminum	18100	MHA	1030	21200	MHA	mg/kg dry	☼	305	75 - 125	20	20
Antimony	<6.53		51.7	49.8		mg/kg dry	☼	96	75 - 125	13	20
Arsenic	4.65		25.9	31.2		mg/kg dry	☼	103	75 - 125	3	20
Barium	33.9		1030	1110		mg/kg dry	☼	104	75 - 125	3	20
Beryllium	<0.653		25.9	27.5		mg/kg dry	☼	106	75 - 125	3	20
Cadmium	<0.653		25.9	27.7		mg/kg dry	☼	107	75 - 125	2	20
Calcium	1440		2590	4030		mg/kg dry	☼	100	75 - 125	2	20
Chromium	24.0		103	130		mg/kg dry	☼	102	75 - 125	4	20
Cobalt	<1.96		259	280		mg/kg dry	☼	108	75 - 125	3	20
Copper	<1.31		129	133		mg/kg dry	☼	103	75 - 125	2	20
Iron	16600	MHA B	517	17400	MHA B	mg/kg dry	☼	159	75 - 125	4	20
Lead	10.1		25.9	38.1		mg/kg dry	☼	108	75 - 125	4	20
Magnesium	1260		2590	3930		mg/kg dry	☼	103	75 - 125	4	20
Manganese	43.2		259	295		mg/kg dry	☼	97	75 - 125	7	20
Nickel	5.33		259	288		mg/kg dry	☼	109	75 - 125	4	20
Potassium	623		2590	3150		mg/kg dry	☼	98	75 - 125	11	20
Selenium	<1.31		25.9	27.4		mg/kg dry	☼	106	75 - 125	0.5	20
Silver	<0.653		25.9	23.9		mg/kg dry	☼	92	75 - 125	4	20
Sodium	<131		2590	2640		mg/kg dry	☼	102	75 - 125	2	20
Thallium	<1.31		25.9	27.4		mg/kg dry	☼	106	75 - 125	4	20
Vanadium	31.5		259	305		mg/kg dry	☼	106	75 - 125	2	20
Zinc	18.1		259	290		mg/kg dry	☼	105	75 - 125	2	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C0812-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C0812**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C0812\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Calcium	<0.500		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Copper	0.00510	J	0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Magnesium	<0.500		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Potassium	<0.500		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Sodium	<0.500		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 19:49	1.00

**Lab Sample ID: 12C0812-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C0812**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C0812\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.85		mg/L		92	80 - 120
Antimony	0.100	0.118		mg/L		118	80 - 120
Arsenic	0.0500	0.0467		mg/L		93	80 - 120
Barium	2.00	2.00		mg/L		100	80 - 120
Beryllium	0.0500	0.0512		mg/L		102	80 - 120
Cadmium	0.0500	0.0504		mg/L		101	80 - 120
Calcium	5.00	4.90		mg/L		98	80 - 120
Chromium	0.200	0.198		mg/L		99	80 - 120
Cobalt	0.500	0.505		mg/L		101	80 - 120
Copper	0.250	0.242	B	mg/L		97	80 - 120
Iron	1.00	0.973		mg/L		97	80 - 120
Lead	0.0500	0.0505		mg/L		101	80 - 120
Magnesium	5.00	4.74		mg/L		95	80 - 120
Manganese	0.500	0.495		mg/L		99	80 - 120
Nickel	0.500	0.510		mg/L		102	80 - 120
Potassium	5.00	4.53		mg/L		91	80 - 120
Selenium	0.0500	0.0518		mg/L		104	80 - 120
Silver	0.0500	0.0478		mg/L		96	80 - 120
Sodium	5.00	4.80		mg/L		96	80 - 120
Thallium	0.0500	0.0447		mg/L		89	80 - 120
Vanadium	0.500	0.503		mg/L		101	80 - 120
Zinc	0.500	0.497		mg/L		99	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C0812-MS1**

**Matrix: Water**

**Analysis Batch: 12C0812**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0812\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike			D	%Rec	%Rec. Limits
	Result			Result	Qualifier	Unit			
Aluminum	41.9		2.00	48.7	MHA		339	75 - 125	
Antimony	<0.00500		0.100	0.0558	M8		56	75 - 125	
Arsenic	0.0197		0.0500	0.0537	M8		68	75 - 125	
Barium	0.316		2.00	1.71	M8		70	75 - 125	
Beryllium	0.00480		0.0500	0.0411	M8		73	75 - 125	
Cadmium	<0.000600		0.0500	0.0348	M8		70	75 - 125	
Calcium	40.1		5.00	42.8	MHA		53	75 - 125	
Chromium	0.0741		0.200	0.218	M8		72	75 - 125	
Cobalt	0.0947		0.500	0.606			102	75 - 125	
Copper	0.0110		0.250	0.180	M8 B		67	75 - 125	
Iron	61.1		1.00	63.1	MHA		199	75 - 125	
Lead	0.0289		0.0500	0.0838			110	75 - 125	
Magnesium	11.6		5.00	15.1	M8		70	75 - 125	
Manganese	1.19		0.500	1.51	M8		64	75 - 125	
Nickel	0.0314		0.500	0.552			104	75 - 125	
Potassium	2.78		5.00	6.04	M8		65	75 - 125	
Selenium	<0.00500		0.0500	0.0343	M8		69	75 - 125	
Silver	<0.00250		0.0500	0.0327	M8		65	75 - 125	
Sodium	66.4		5.00	69.4	MHA		60	75 - 125	
Thallium	<0.00500		0.0500	0.0310	M8		62	75 - 125	
Vanadium	0.140		0.500	0.493	M8		71	75 - 125	
Zinc	0.0942		0.500	0.446	M8		70	75 - 125	

**Lab Sample ID: 12C0812-MSD1**

**Matrix: Water**

**Analysis Batch: 12C0812**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0812\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup			D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result			Result	Qualifier	Unit					
Aluminum	41.9		2.00	47.2	MHA		264	75 - 125	3	20	
Antimony	<0.00500		0.100	0.0555	M8		56	75 - 125	0.5	20	
Arsenic	0.0197		0.0500	0.0529	M8		66	75 - 125	2	20	
Barium	0.316		2.00	1.68	M8		68	75 - 125	2	20	
Beryllium	0.00480		0.0500	0.0402	M8		71	75 - 125	2	20	
Cadmium	<0.000600		0.0500	0.0345	M8		69	75 - 125	0.9	20	
Calcium	40.1		5.00	42.4	MHA		47	75 - 125	0.7	20	
Chromium	0.0741		0.200	0.216	M8		71	75 - 125	0.9	20	
Cobalt	0.0947		0.500	0.602			101	75 - 125	0.7	20	
Copper	0.0110		0.250	0.177	M8 B		66	75 - 125	1	20	
Iron	61.1		1.00	61.7	MHA		57	75 - 125	2	20	
Lead	0.0289		0.0500	0.0815			105	75 - 125	3	20	
Magnesium	11.6		5.00	14.9	M8		66	75 - 125	1	20	
Manganese	1.19		0.500	1.50	M8		62	75 - 125	0.8	20	
Nickel	0.0314		0.500	0.542			102	75 - 125	2	20	
Potassium	2.78		5.00	5.93	M8		63	75 - 125	2	20	
Selenium	<0.00500		0.0500	0.0353	M8		71	75 - 125	3	20	
Silver	<0.00250		0.0500	0.0323	M8		65	75 - 125	1	20	
Sodium	66.4		5.00	70.8	MHA		88	75 - 125	2	20	
Thallium	<0.00500		0.0500	0.0333	M8		67	75 - 125	7	20	
Vanadium	0.140		0.500	0.480	M8		68	75 - 125	3	20	
Zinc	0.0942		0.500	0.442	M8		70	75 - 125	0.8	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 12C0823-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0823**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 12C0823\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Arsenic	0.00500	J	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Calcium	<0.500		1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Iron	0.0401	J	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Magnesium	<0.500		1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Potassium	<0.500		1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Sodium	<0.500		1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:13	1.00

**Lab Sample ID: 12C0823-BS1**

**Matrix: Water**

**Analysis Batch: 12C0823**

**Client Sample ID: Lab Control Sample**

**Prep Type: Dissolved**

**Prep Batch: 12C0823\_P**

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aluminum	2.00	1.70		mg/L		85	80 - 120
Antimony	0.100	0.0966		mg/L		97	80 - 120
Arsenic	0.0500	0.0432	B	mg/L		86	80 - 120
Barium	2.00	1.69		mg/L		85	80 - 120
Beryllium	0.0500	0.0440		mg/L		88	80 - 120
Cadmium	0.0500	0.0424		mg/L		85	80 - 120
Calcium	5.00	4.38		mg/L		88	80 - 120
Chromium	0.200	0.172		mg/L		86	80 - 120
Cobalt	0.500	0.438		mg/L		88	80 - 120
Copper	0.250	0.205		mg/L		82	80 - 120
Iron	1.00	0.874	B	mg/L		87	80 - 120
Lead	0.0500	0.0451		mg/L		90	80 - 120
Magnesium	5.00	4.31		mg/L		86	80 - 120
Manganese	0.500	0.429		mg/L		86	80 - 120
Nickel	0.500	0.441		mg/L		88	80 - 120
Potassium	5.00	4.18		mg/L		84	80 - 120
Selenium	0.0500	0.0451		mg/L		90	80 - 120
Silver	0.0500	0.0427		mg/L		85	80 - 120
Sodium	5.00	4.35		mg/L		87	80 - 120
Vanadium	0.500	0.440		mg/L		88	80 - 120
Zinc	0.500	0.429		mg/L		86	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12C0823-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C0823**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0823\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Thallium	0.0500	0.0472		mg/L		94	80 - 120

**Lab Sample ID: 12C0823-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C0823**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0823\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	<0.0500		2.00	1.80		mg/L		90	75 - 125
Antimony	<0.00500		0.100	0.108		mg/L		108	75 - 125
Arsenic	<0.00500		0.0500	0.0493	B	mg/L		99	75 - 125
Barium	12.0		2.00	13.1	MHA	mg/L		57	75 - 125
Beryllium	<0.00200		0.0500	0.0403		mg/L		81	75 - 125
Cadmium	<0.000600		0.0500	0.0383		mg/L		77	75 - 125
Calcium	868		5.00	855	MHA	mg/L		-264	75 - 125
Chromium	<0.00250		0.200	0.158		mg/L		79	75 - 125
Cobalt	<0.0100		0.500	0.464		mg/L		93	75 - 125
Copper	<0.00500		0.250	0.206		mg/L		83	75 - 125
Iron	<0.0250		1.00	0.811	B	mg/L		81	75 - 125
Lead	<0.00250		0.0500	0.0366	M8	mg/L		73	75 - 125
Magnesium	442		5.00	436	MHA	mg/L		-108	75 - 125
Manganese	0.389		0.500	0.772		mg/L		77	75 - 125
Nickel	<0.00500		0.500	0.448		mg/L		90	75 - 125
Potassium	37.8		5.00	42.2		mg/L		90	75 - 125
Selenium	<0.00500		0.0500	0.0524		mg/L		105	75 - 125
Silver	<0.00250		0.0500	0.0584		mg/L		117	75 - 125
Sodium	1690		5.00	1350	MHA	mg/L		-6840	75 - 125
Thallium	<0.00500		0.0500	0.0248	M8	mg/L		50	75 - 125
Vanadium	<0.0100		0.500	0.399		mg/L		80	75 - 125
Zinc	<0.0250		0.500	0.561		mg/L		112	75 - 125

**Lab Sample ID: 12C0823-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12C0823**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0823\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aluminum	<0.0500		2.00	1.90		mg/L		95	75 - 125	5	20
Antimony	<0.00500		0.100	0.110		mg/L		110	75 - 125	2	20
Arsenic	<0.00500		0.0500	0.0487	B	mg/L		97	75 - 125	1	20
Barium	12.0		2.00	13.2	MHA	mg/L		62	75 - 125	0.7	20
Beryllium	<0.00200		0.0500	0.0419		mg/L		84	75 - 125	4	20
Cadmium	<0.000600		0.0500	0.0394		mg/L		79	75 - 125	3	20
Calcium	868		5.00	861	MHA	mg/L		-152	75 - 125	0.7	20
Chromium	<0.00250		0.200	0.161		mg/L		81	75 - 125	2	20
Cobalt	<0.0100		0.500	0.476		mg/L		95	75 - 125	3	20
Copper	<0.00500		0.250	0.216		mg/L		86	75 - 125	4	20
Iron	<0.0250		1.00	0.827	B	mg/L		83	75 - 125	2	20
Lead	<0.00250		0.0500	0.0393		mg/L		79	75 - 125	7	20
Magnesium	442		5.00	440	MHA	mg/L		-40	75 - 125	0.8	20
Manganese	0.389		0.500	0.781		mg/L		78	75 - 125	1	20
Nickel	<0.00500		0.500	0.462		mg/L		92	75 - 125	3	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12C0823-MSD1**

**Matrix: Water**

**Analysis Batch: 12C0823**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 12C0823\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Potassium	37.8		5.00	42.9		mg/L		103	75 - 125	2	20
Selenium	<0.00500		0.0500	0.0541		mg/L		108	75 - 125	3	20
Silver	<0.00250		0.0500	0.0592		mg/L		118	75 - 125	1	20
Sodium	1690		5.00	1240	MHA	mg/L		-9060	75 - 125	9	20
Thallium	<0.00500		0.0500	0.0256	M8	mg/L		51	75 - 125	3	20
Vanadium	<0.0100		0.500	0.416		mg/L		83	75 - 125	4	20
Zinc	<0.0250		0.500	0.576		mg/L		115	75 - 125	3	20

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12C0760-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0760**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0760\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000100		0.000200	0.000100	mg/L		03/05/12 11:40	03/06/12 13:40	1.00

**Lab Sample ID: 12C0760-BS1**

**Matrix: Water**

**Analysis Batch: 12C0760**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0760\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Mercury	0.00100	0.000956		mg/L		96	80 - 120

**Lab Sample ID: 12C0760-BSD1**

**Matrix: Water**

**Analysis Batch: 12C0760**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0760\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.	RPD	Limit
							Limits		
Mercury	0.00100	0.000947		mg/L		95	80 - 120	0.9	20

**Lab Sample ID: 12C0760-MS1**

**Matrix: Water**

**Analysis Batch: 12C0760**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0760\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	<0.000100		0.00100	0.00102		mg/L		102	75 - 125

**Lab Sample ID: 12C0760-MSD1**

**Matrix: Water**

**Analysis Batch: 12C0760**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0760\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Mercury	<0.000100		0.00100	0.00103		mg/L		103	75 - 125	0.6	20



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12C0764-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C0764**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0764\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/07/12 12:20	03/07/12 15:04	1.00

**Lab Sample ID: 12C0764-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C0764**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0764\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00100	0.00108		mg/L		108	80 - 120

**Lab Sample ID: 12C0764-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C0764**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0764\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.000991		mg/L		99	75 - 125

**Lab Sample ID: 12C0764-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12C0764**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0764\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	<0.000100		0.00100	0.000972		mg/L		97	75 - 125	2	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 12C0753-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C0753**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C0753\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.049		0.099	0.049	mg/kg wet		03/05/12 14:30	03/06/12 10:48	1.0

**Lab Sample ID: 12C0753-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C0753**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C0753\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.163	0.19		mg/kg wet		115	80 - 120

**Lab Sample ID: 12C0753-MS1**  
**Matrix: Soil**  
**Analysis Batch: 12C0753**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12C0753\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	0.059		0.180	0.23		mg/kg dry	☼	98	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Method: SW846 7471B - Mercury by EPA Method 7471B (Continued)

Lab Sample ID: 12C0753-MSD1

Matrix: Soil

Analysis Batch: 12C0753

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 12C0753\_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	0.059		0.175	0.37	M7 R2	mg/kg dry	☼	180	80 - 120	46	20

## Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 12C0768-DUP1

Matrix: Soil

Analysis Batch: 12C0768

Client Sample ID: Duplicate

Prep Type: Total

Prep Batch: 12C0768\_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Dry Solids	81.9		79.8		%		3	20

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## GCMS Volatiles

### Analysis Batch: V003936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0744-BLK1	Method Blank	Total	Water	SW846 8260B	12C0744_P
12C0744-BS1	Lab Control Sample	Total	Water	SW846 8260B	12C0744_P
12C0744-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	12C0744_P
12C0744-MS1	Matrix Spike	Total	Water	SW846 8260B	12C0744_P
12C0744-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	12C0744_P
NWC0375-09	Trip Blank	Total	Water	SW846 8260B	12C0744_P
NWC0375-10	Trip Blank 2	Total	Water	SW846 8260B	12C0744_P
NWC0375-11	Trip Blank 3	Total	Water	SW846 8260B	12C0744_P

### Analysis Batch: V003941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C1674-BLK1	Method Blank	Total	Water	SW846 8260B	12C1674_P
12C1674-BS1	Lab Control Sample	Total	Water	SW846 8260B	12C1674_P
12C1674-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	12C1674_P
12C1674-MS1	Tract 37 SW-1	Total	Water	SW846 8260B	12C1674_P
12C1674-MSD1	Tract 37 SW-1	Total	Water	SW846 8260B	12C1674_P
NWC0375-03	Tract 37 TW-1 (20-24)	Total	Ground Water	SW846 8260B	12C1674_P
NWC0375-06	Tract 37 TW-2 (10-14)	Total	Ground Water	SW846 8260B	12C1674_P
NWC0375-08	Tract 37 SW-1	Total	Ground Water	SW846 8260B	12C1674_P

### Analysis Batch: V003948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0591-BLK1	Method Blank	Total	Water	SW846 8260B	12C0591_P
12C0591-BS1	Lab Control Sample	Total	Water	SW846 8260B	12C0591_P
12C0591-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	12C0591_P
12C0591-MS1	Tract 37 TW-1 (20-24)	Total	Water	SW846 8260B	12C0591_P
12C0591-MSD1	Tract 37 TW-1 (20-24)	Total	Water	SW846 8260B	12C0591_P
NWC0375-03 - RE1	Tract 37 TW-1 (20-24)	Total	Ground Water	SW846 8260B	12C0591_P

### Analysis Batch: V003972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0564-BLK1	Method Blank	Total	Soil	SW846 8260B	12C0564_P
12C0564-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12C0564_P
12C0564-MS1	Matrix Spike	Total	Soil	SW846 8260B	12C0564_P
12C0564-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	12C0564_P
NWC0375-01	Tract 37 SB-1 (0-2)	Total	Soil	SW846 8260B	12C0564_P
NWC0375-02	Tract 37 SB-1 (22-26)	Total	Soil	SW846 8260B	12C0564_P
NWC0375-04	Tract 37 SB-2 (0-2)	Total	Soil	SW846 8260B	12C0564_P
NWC0375-05	Tract 37 SB-2 (8-12)	Total	Soil	SW846 8260B	12C0564_P

### Analysis Batch: V004252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C1787-BLK1	Method Blank	Total	Soil	SW846 8260B	12C1787_P
12C1787-BLK2	Method Blank	Total	Soil	SW846 8260B	12C1787_P
12C1787-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12C1787_P
12C1787-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	12C1787_P
12C1787-MS1	Tract 37 SS-1	Total	Soil	SW846 8260B	12C1787_P
12C1787-MSD1	Tract 37 SS-1	Total	Soil	SW846 8260B	12C1787_P
NWC0375-07 - RE1	Tract 37 SS-1	Total	Soil	SW846 8260B	12C1787_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## GCMS Volatiles (Continued)

### Prep Batch: 12C0564\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0564-BLK1	Method Blank	Total	Soil	EPA 5035	
12C0564-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12C0564-MS1	Matrix Spike	Total	Soil	EPA 5035	
12C0564-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NWC0375-01	Tract 37 SB-1 (0-2)	Total	Soil	EPA 5035	
NWC0375-02	Tract 37 SB-1 (22-26)	Total	Soil	EPA 5035	
NWC0375-04	Tract 37 SB-2 (0-2)	Total	Soil	EPA 5035	
NWC0375-05	Tract 37 SB-2 (8-12)	Total	Soil	EPA 5035	

### Prep Batch: 12C0591\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0591-BLK1	Method Blank	Total	Water	EPA 5030B	
12C0591-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12C0591-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
12C0591-MS1	Tract 37 TW-1 (20-24)	Total	Water	EPA 5030B	
12C0591-MSD1	Tract 37 TW-1 (20-24)	Total	Water	EPA 5030B	
NWC0375-03 - RE1	Tract 37 TW-1 (20-24)	Total	Ground Water	EPA 5030B	

### Prep Batch: 12C0744\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0744-BLK1	Method Blank	Total	Water	EPA 5030B	
12C0744-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12C0744-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
12C0744-MS1	Matrix Spike	Total	Water	EPA 5030B	
12C0744-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NWC0375-09	Trip Blank	Total	Water	EPA 5030B	
NWC0375-10	Trip Blank 2	Total	Water	EPA 5030B	
NWC0375-11	Trip Blank 3	Total	Water	EPA 5030B	

### Prep Batch: 12C1674\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C1674-BLK1	Method Blank	Total	Water	EPA 5030B	
12C1674-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12C1674-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
12C1674-MS1	Tract 37 SW-1	Total	Water	EPA 5030B	
12C1674-MSD1	Tract 37 SW-1	Total	Water	EPA 5030B	
NWC0375-03	Tract 37 TW-1 (20-24)	Total	Ground Water	EPA 5030B	
NWC0375-06	Tract 37 TW-2 (10-14)	Total	Ground Water	EPA 5030B	
NWC0375-08	Tract 37 SW-1	Total	Ground Water	EPA 5030B	

### Prep Batch: 12C1787\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C1787-BLK1	Method Blank	Total	Soil	EPA 5035	
12C1787-BLK2	Method Blank	Total	Soil	EPA 5035	
12C1787-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12C1787-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
12C1787-MS1	Tract 37 SS-1	Total	Soil	EPA 5035	
12C1787-MSD1	Tract 37 SS-1	Total	Soil	EPA 5035	
NWC0375-07 - RE1	Tract 37 SS-1	Total	Soil	EPA 5035	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## GCMS Semivolatiles

### Analysis Batch: 12C0563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0563-BLK1	Method Blank	Total	Soil	SW846 8270D	12C0563_P
12C0563-BS1	Lab Control Sample	Total	Soil	SW846 8270D	12C0563_P
12C0563-MS1	Matrix Spike	Total	Soil	SW846 8270D	12C0563_P
12C0563-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8270D	12C0563_P
NWC0375-01	Tract 37 SB-1 (0-2)	Total	Soil	SW846 8270D	12C0563_P
NWC0375-02	Tract 37 SB-1 (22-26)	Total	Soil	SW846 8270D	12C0563_P
NWC0375-04	Tract 37 SB-2 (0-2)	Total	Soil	SW846 8270D	12C0563_P
NWC0375-05	Tract 37 SB-2 (8-12)	Total	Soil	SW846 8270D	12C0563_P
NWC0375-07	Tract 37 SS-1	Total	Soil	SW846 8270D	12C0563_P

### Analysis Batch: 12C0573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0573-BLK1	Method Blank	Total	Water	SW846 8270D	12C0573_P
12C0573-BS1	Lab Control Sample	Total	Water	SW846 8270D	12C0573_P
NWC0375-03	Tract 37 TW-1 (20-24)	Total	Ground Water	SW846 8270D	12C0573_P
NWC0375-06	Tract 37 TW-2 (10-14)	Total	Ground Water	SW846 8270D	12C0573_P
NWC0375-08	Tract 37 SW-1	Total	Ground Water	SW846 8270D	12C0573_P

### Prep Batch: 12C0563\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0563-BLK1	Method Blank	Total	Soil	EPA 3550C	
12C0563-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12C0563-MS1	Matrix Spike	Total	Soil	EPA 3550C	
12C0563-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550C	
NWC0375-01	Tract 37 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWC0375-02	Tract 37 SB-1 (22-26)	Total	Soil	EPA 3550C	
NWC0375-04	Tract 37 SB-2 (0-2)	Total	Soil	EPA 3550C	
NWC0375-05	Tract 37 SB-2 (8-12)	Total	Soil	EPA 3550C	
NWC0375-07	Tract 37 SS-1	Total	Soil	EPA 3550C	

### Prep Batch: 12C0573\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0573-BLK1	Method Blank	Total	Water	EPA 3510C	
12C0573-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NWC0375-03	Tract 37 TW-1 (20-24)	Total	Ground Water	EPA 3510C	
NWC0375-06	Tract 37 TW-2 (10-14)	Total	Ground Water	EPA 3510C	
NWC0375-08	Tract 37 SW-1	Total	Ground Water	EPA 3510C	

## Metals

### Analysis Batch: 12C0753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0753-BLK1	Method Blank	Total	Soil	SW846 7471B	12C0753_P
12C0753-BS1	Lab Control Sample	Total	Soil	SW846 7471B	12C0753_P
12C0753-MS1	Matrix Spike	Total	Soil	SW846 7471B	12C0753_P
12C0753-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	12C0753_P
NWC0375-01	Tract 37 SB-1 (0-2)	Total	Soil	SW846 7471B	12C0753_P
NWC0375-02	Tract 37 SB-1 (22-26)	Total	Soil	SW846 7471B	12C0753_P
NWC0375-04	Tract 37 SB-2 (0-2)	Total	Soil	SW846 7471B	12C0753_P
NWC0375-05	Tract 37 SB-2 (8-12)	Total	Soil	SW846 7471B	12C0753_P
NWC0375-07	Tract 37 SS-1	Total	Soil	SW846 7471B	12C0753_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Metals (Continued)

### Analysis Batch: 12C0760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0760-BLK1	Method Blank	Total	Water	SW846 7470A	12C0760_P
12C0760-BS1	Lab Control Sample	Total	Water	SW846 7470A	12C0760_P
12C0760-BSD1	Lab Control Sample Dup	Total	Water	SW846 7470A	12C0760_P
12C0760-MS1	Matrix Spike	Total	Water	SW846 7470A	12C0760_P
12C0760-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	12C0760_P
NWC0375-03	Tract 37 TW-1 (20-24)	Total	Ground Water	SW846 7470A	12C0760_P
NWC0375-06	Tract 37 TW-2 (10-14)	Total	Ground Water	SW846 7470A	12C0760_P
NWC0375-08	Tract 37 SW-1	Total	Ground Water	SW846 7470A	12C0760_P

### Analysis Batch: 12C0764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0764-BLK1	Method Blank	Dissolved	Water	SW846 7470A	12C0764_P
12C0764-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	12C0764_P
12C0764-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	12C0764_P
12C0764-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	12C0764_P
NWC0375-03	Tract 37 TW-1 (20-24)	Dissolved	Ground Water	SW846 7470A	12C0764_P
NWC0375-06	Tract 37 TW-2 (10-14)	Dissolved	Ground Water	SW846 7470A	12C0764_P
NWC0375-08	Tract 37 SW-1	Dissolved	Ground Water	SW846 7470A	12C0764_P

### Analysis Batch: 12C0798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0798-BLK1	Method Blank	Total	Soil	SW846 6010C	12C0798_P
12C0798-BS1	Lab Control Sample	Total	Soil	SW846 6010C	12C0798_P
12C0798-MS1	Tract 37 SB-1 (0-2)	Total	Soil	SW846 6010C	12C0798_P
12C0798-MSD1	Tract 37 SB-1 (0-2)	Total	Soil	SW846 6010C	12C0798_P
NWC0375-01	Tract 37 SB-1 (0-2)	Total	Soil	SW846 6010C	12C0798_P
NWC0375-02	Tract 37 SB-1 (22-26)	Total	Soil	SW846 6010C	12C0798_P
NWC0375-04	Tract 37 SB-2 (0-2)	Total	Soil	SW846 6010C	12C0798_P
NWC0375-05	Tract 37 SB-2 (8-12)	Total	Soil	SW846 6010C	12C0798_P
NWC0375-07	Tract 37 SS-1	Total	Soil	SW846 6010C	12C0798_P

### Analysis Batch: 12C0812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0812-BLK1	Method Blank	Total	Water	SW846 6010C	12C0812_P
12C0812-BS1	Lab Control Sample	Total	Water	SW846 6010C	12C0812_P
12C0812-MS1	Matrix Spike	Total	Water	SW846 6010C	12C0812_P
12C0812-MSD1	Matrix Spike Duplicate	Total	Water	SW846 6010C	12C0812_P
NWC0375-03	Tract 37 TW-1 (20-24)	Total	Ground Water	SW846 6010C	12C0812_P
NWC0375-06	Tract 37 TW-2 (10-14)	Total	Ground Water	SW846 6010C	12C0812_P
NWC0375-08	Tract 37 SW-1	Total	Ground Water	SW846 6010C	12C0812_P

### Analysis Batch: 12C0823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0823-BLK1	Method Blank	Dissolved	Water	SW846 6010C	12C0823_P
12C0823-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	12C0823_P
12C0823-MS1	Matrix Spike	Dissolved	Water	SW846 6010C	12C0823_P
12C0823-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 6010C	12C0823_P
NWC0375-03	Tract 37 TW-1 (20-24)	Dissolved	Ground Water	SW846 6010C	12C0823_P
NWC0375-06	Tract 37 TW-2 (10-14)	Dissolved	Ground Water	SW846 6010C	12C0823_P
NWC0375-08	Tract 37 SW-1	Dissolved	Ground Water	SW846 6010C	12C0823_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Metals (Continued)

### Prep Batch: 12C0753\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0753-BLK1	Method Blank	Total	Soil	EPA 7471	
12C0753-BS1	Lab Control Sample	Total	Soil	EPA 7471	
12C0753-MS1	Matrix Spike	Total	Soil	EPA 7471	
12C0753-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NWC0375-01	Tract 37 SB-1 (0-2)	Total	Soil	EPA 7471	
NWC0375-02	Tract 37 SB-1 (22-26)	Total	Soil	EPA 7471	
NWC0375-04	Tract 37 SB-2 (0-2)	Total	Soil	EPA 7471	
NWC0375-05	Tract 37 SB-2 (8-12)	Total	Soil	EPA 7471	
NWC0375-07	Tract 37 SS-1	Total	Soil	EPA 7471	

### Prep Batch: 12C0760\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0760-BLK1	Method Blank	Total	Water	EPA 7470	
12C0760-BS1	Lab Control Sample	Total	Water	EPA 7470	
12C0760-BSD1	Lab Control Sample Dup	Total	Water	EPA 7470	
12C0760-MS1	Matrix Spike	Total	Water	EPA 7470	
12C0760-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NWC0375-03	Tract 37 TW-1 (20-24)	Total	Ground Water	EPA 7470	
NWC0375-06	Tract 37 TW-2 (10-14)	Total	Ground Water	EPA 7470	
NWC0375-08	Tract 37 SW-1	Total	Ground Water	EPA 7470	

### Prep Batch: 12C0764\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0764-BLK1	Method Blank	Dissolved	Water	EPA 7470	
12C0764-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
12C0764-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
12C0764-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	
NWC0375-03	Tract 37 TW-1 (20-24)	Dissolved	Ground Water	EPA 7470	
NWC0375-06	Tract 37 TW-2 (10-14)	Dissolved	Ground Water	EPA 7470	
NWC0375-08	Tract 37 SW-1	Dissolved	Ground Water	EPA 7470	

### Prep Batch: 12C0798\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0798-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
12C0798-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
12C0798-MS1	Tract 37 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
12C0798-MSD1	Tract 37 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NWC0375-01	Tract 37 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NWC0375-02	Tract 37 SB-1 (22-26)	Total	Soil	EPA 3051A/6010	
NWC0375-04	Tract 37 SB-2 (0-2)	Total	Soil	EPA 3051A/6010	
NWC0375-05	Tract 37 SB-2 (8-12)	Total	Soil	EPA 3051A/6010	
NWC0375-07	Tract 37 SS-1	Total	Soil	EPA 3051A/6010	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Metals (Continued)

### Prep Batch: 12C0812\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0812-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
12C0812-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
12C0812-MS1	Matrix Spike	Total	Water	EPA 3010A / 6010	
12C0812-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3010A / 6010	
NWC0375-03	Tract 37 TW-1 (20-24)	Total	Ground Water	EPA 3010A / 6010	
NWC0375-06	Tract 37 TW-2 (10-14)	Total	Ground Water	EPA 3010A / 6010	
NWC0375-08	Tract 37 SW-1	Total	Ground Water	EPA 3010A / 6010	

### Prep Batch: 12C0823\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0823-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C0823-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C0823-MS1	Matrix Spike	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C0823-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NWC0375-03	Tract 37 TW-1 (20-24)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NWC0375-06	Tract 37 TW-2 (10-14)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NWC0375-08	Tract 37 SW-1	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

## Project Management

### Analysis Batch: 12C4880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC0375-01	Tract 37 SB-1 (0-2)	Total	Soil	subcontract	12C4880_P
NWC0375-02	Tract 37 SB-1 (22-26)	Total	Soil	subcontract	12C4880_P
NWC0375-03	Tract 37 TW-1 (20-24)	Total	Ground Water	subcontract	12C4880_P
NWC0375-04	Tract 37 SB-2 (0-2)	Total	Soil	subcontract	12C4880_P
NWC0375-05	Tract 37 SB-2 (8-12)	Total	Soil	subcontract	12C4880_P
NWC0375-06	Tract 37 TW-2 (10-14)	Total	Ground Water	subcontract	12C4880_P
NWC0375-07	Tract 37 SS-1	Total	Soil	subcontract	12C4880_P
NWC0375-08	Tract 37 SW-1	Total	Ground Water	subcontract	12C4880_P

### Prep Batch: 12C4880\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC0375-01	Tract 37 SB-1 (0-2)	Total	Soil	*** DEFAULT PREP ***	
NWC0375-02	Tract 37 SB-1 (22-26)	Total	Soil	*** DEFAULT PREP ***	
NWC0375-03	Tract 37 TW-1 (20-24)	Total	Ground Water	*** DEFAULT PREP ***	
NWC0375-04	Tract 37 SB-2 (0-2)	Total	Soil	*** DEFAULT PREP ***	
NWC0375-05	Tract 37 SB-2 (8-12)	Total	Soil	*** DEFAULT PREP ***	



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Project Management (Continued)

### Prep Batch: 12C4880\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC0375-06	Tract 37 TW-2 (10-14)	Total	Ground Water	*** DEFAULT PREP ***	
NWC0375-07	Tract 37 SS-1	Total	Soil	*** DEFAULT PREP ***	
NWC0375-08	Tract 37 SW-1	Total	Ground Water	*** DEFAULT PREP ***	

## Extractions

### Analysis Batch: 12C0768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0768-DUP1	Duplicate	Total	Soil	SW-846	12C0768_P
NWC0375-01	Tract 37 SB-1 (0-2)	Total	Soil	SW-846	12C0768_P
NWC0375-02	Tract 37 SB-1 (22-26)	Total	Soil	SW-846	12C0768_P
NWC0375-04	Tract 37 SB-2 (0-2)	Total	Soil	SW-846	12C0768_P
NWC0375-05	Tract 37 SB-2 (8-12)	Total	Soil	SW-846	12C0768_P
NWC0375-07	Tract 37 SS-1	Total	Soil	SW-846	12C0768_P

### Prep Batch: 12C0768\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0768-DUP1	Duplicate	Total	Soil	% Solids	
NWC0375-01	Tract 37 SB-1 (0-2)	Total	Soil	% Solids	
NWC0375-02	Tract 37 SB-1 (22-26)	Total	Soil	% Solids	
NWC0375-04	Tract 37 SB-2 (0-2)	Total	Soil	% Solids	
NWC0375-05	Tract 37 SB-2 (8-12)	Total	Soil	% Solids	
NWC0375-07	Tract 37 SS-1	Total	Soil	% Solids	

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Client Sample ID: Tract 37 SB-1 (0-2)

Lab Sample ID: NWC0375-01

Date Collected: 02/29/12 16:00

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 74.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.853	12C0564_P	02/29/12 16:00	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003972	03/07/12 17:12	KXC	TAL NSH
Total	Prep	EPA 3550C		0.987	12C0563_P	03/05/12 05:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0563	03/06/12 00:20	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.978	12C0798_P	03/06/12 10:09	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0798	03/14/12 01:17	DEB	TAL NSH
Total	Prep	EPA 7471		0.98	12C0753_P	03/05/12 14:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C0753	03/06/12 11:16	MB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			12C4880_P	03/23/12 13:44	KAH	TAL NSH
Total	Analysis	subcontract		1.00	12C4880	03/23/12 13:45	KAH	TAL NSH
Total	Prep	% Solids		1.00	12C0768_P	03/05/12 11:46	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0768	03/06/12 09:34	RRS	TAL NSH

## Client Sample ID: Tract 37 SB-1 (22-26)

Lab Sample ID: NWC0375-02

Date Collected: 02/29/12 16:15

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 71.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.792	12C0564_P	02/29/12 16:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003972	03/07/12 17:43	KXC	TAL NSH
Total	Prep	EPA 3550C		0.980	12C0563_P	03/05/12 05:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0563	03/06/12 00:40	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		1.00	12C0798_P	03/06/12 10:09	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0798	03/14/12 01:26	DEB	TAL NSH
Total	Prep	EPA 7471		0.99	12C0753_P	03/05/12 14:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C0753	03/06/12 11:18	MB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			12C4880_P	03/23/12 13:44	KAH	TAL NSH
Total	Analysis	subcontract		1.00	12C4880	03/23/12 13:45	KAH	TAL NSH
Total	Prep	% Solids		1.00	12C0768_P	03/05/12 11:46	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0768	03/06/12 09:34	RRS	TAL NSH

## Client Sample ID: Tract 37 TW-1 (20-24)

Lab Sample ID: NWC0375-03

Date Collected: 02/29/12 16:30

Matrix: Ground Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C1674_P	03/06/12 10:23	AJF	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003941	03/06/12 13:09	CMM	TAL NSH
Total	Prep	EPA 5030B	RE1	1.00	12C0591_P	03/06/12 21:53	AJF	TAL NSH
Total	Analysis	SW846 8260B	RE1	20.0	V003948	03/07/12 02:30	CMM	TAL NSH
Total	Prep	EPA 3510C		0.971	12C0573_P	03/03/12 11:00	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0573	03/03/12 23:40	KJP	TAL NSH
Dissolved	Prep	EPA 3010A / 6010		1.00	12C0823_P	03/11/12 11:52	CXU	TAL NSH
Dissolved	Analysis	Dissolved SW846 6010C		1.00	12C0823	03/12/12 16:36	LTB	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 TW-1 (20-24)**

**Lab Sample ID: NWC0375-03**

Date Collected: 02/29/12 16:30

Matrix: Ground Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 3010A / 6010		1.00	12C0812_P	03/11/12 11:40	CXU	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0812	03/13/12 20:22	LTB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	12C0764_P	03/07/12 12:20	MB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12C0764	03/07/12 15:22	MB	TAL NSH
Total	Prep	EPA 7470		1.00	12C0760_P	03/05/12 11:40	ALJ	TAL NSH
Total	Analysis	SW846 7470A		1.00	12C0760	03/06/12 14:35	ALJ	TAL NSH
Total	Prep	*** DEFAULT PREP ***			12C4880_P	03/23/12 13:44	KAH	TAL NSH
Total	Analysis	subcontract		1.00	12C4880	03/23/12 13:45	KAH	TAL NSH

**Client Sample ID: Tract 37 SB-2 (0-2)**

**Lab Sample ID: NWC0375-04**

Date Collected: 02/29/12 11:00

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.08	12C0564_P	02/29/12 11:00	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003972	03/07/12 18:14	KXC	TAL NSH
Total	Prep	EPA 3550C		0.980	12C0563_P	03/05/12 05:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0563	03/06/12 01:00	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.984	12C0798_P	03/06/12 10:09	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0798	03/14/12 01:30	DEB	TAL NSH
Total	Prep	EPA 7471		1.0	12C0753_P	03/05/12 14:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C0753	03/06/12 11:20	MB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			12C4880_P	03/23/12 13:44	KAH	TAL NSH
Total	Analysis	subcontract		1.00	12C4880	03/23/12 13:45	KAH	TAL NSH
Total	Prep	% Solids		1.00	12C0768_P	03/05/12 11:46	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0768	03/06/12 09:34	RRS	TAL NSH

**Client Sample ID: Tract 37 SB-2 (8-12)**

**Lab Sample ID: NWC0375-05**

Date Collected: 02/29/12 11:15

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 83

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.727	12C0564_P	02/29/12 11:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003972	03/07/12 18:44	KXC	TAL NSH
Total	Prep	EPA 3550C		0.999	12C0563_P	03/05/12 05:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0563	03/06/12 01:19	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.960	12C0798_P	03/06/12 10:09	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0798	03/14/12 01:33	DEB	TAL NSH
Total	Prep	EPA 7471		1.0	12C0753_P	03/05/12 14:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C0753	03/06/12 11:22	MB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			12C4880_P	03/23/12 13:44	KAH	TAL NSH
Total	Analysis	subcontract		1.00	12C4880	03/23/12 13:45	KAH	TAL NSH
Total	Prep	% Solids		1.00	12C0768_P	03/05/12 11:46	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0768	03/06/12 09:34	RRS	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

**Client Sample ID: Tract 37 TW-2 (10-14)**

**Lab Sample ID: NWC0375-06**

Date Collected: 02/29/12 11:30

Matrix: Ground Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C1674_P	03/06/12 10:23	AJF	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003941	03/06/12 13:36	CMM	TAL NSH
Total	Prep	EPA 3510C		0.971	12C0573_P	03/03/12 11:00	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0573	03/04/12 00:00	KJP	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	12C0823_P	03/11/12 11:52	CXU	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	12C0823	03/12/12 16:40	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	12C0812_P	03/11/12 11:40	CXU	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0812	03/13/12 20:25	LTB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	12C0764_P	03/07/12 12:20	MB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12C0764	03/07/12 15:24	MB	TAL NSH
Total	Prep	EPA 7470		1.00	12C0760_P	03/05/12 11:40	ALJ	TAL NSH
Total	Analysis	SW846 7470A		1.00	12C0760	03/06/12 14:37	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		10.0	12C0823	03/13/12 10:41	LTB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			12C4880_P	03/23/12 13:44	KAH	TAL NSH
Total	Analysis	subcontract		1.00	12C4880	03/23/12 13:45	KAH	TAL NSH

**Client Sample ID: Tract 37 SS-1**

**Lab Sample ID: NWC0375-07**

Date Collected: 02/29/12 10:50

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 26.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	1.28	12C1787_P	02/29/12 10:50	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	V004252	03/13/12 15:55	KXC	TAL NSH
Total	Prep	EPA 3550C		0.982	12C0563_P	03/05/12 05:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0563	03/06/12 01:39	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.971	12C0798_P	03/06/12 10:09	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0798	03/14/12 01:36	DEB	TAL NSH
Total	Prep	EPA 7471		0.96	12C0753_P	03/05/12 14:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C0753	03/06/12 11:25	MB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			12C4880_P	03/23/12 13:44	KAH	TAL NSH
Total	Analysis	subcontract		1.00	12C4880	03/23/12 13:45	KAH	TAL NSH
Total	Prep	% Solids		1.00	12C0768_P	03/05/12 11:46	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0768	03/06/12 09:34	RRS	TAL NSH

**Client Sample ID: Tract 37 SW-1**

**Lab Sample ID: NWC0375-08**

Date Collected: 02/29/12 11:10

Matrix: Ground Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C1674_P	03/06/12 10:23	AJF	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003941	03/06/12 14:04	CMM	TAL NSH
Total	Prep	EPA 3510C		0.952	12C0573_P	03/03/12 11:00	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0573	03/04/12 00:21	KJP	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

## Client Sample ID: Tract 37 SW-1

## Lab Sample ID: NWC0375-08

Date Collected: 02/29/12 11:10

Matrix: Ground Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	EPA 3010A / 6010 Dissolved		10.0	12C0823_P	03/11/12 11:52	CXU	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	12C0823	03/12/12 16:43	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	12C0812_P	03/11/12 11:40	CXU	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0812	03/13/12 20:28	LTB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	12C0764_P	03/07/12 12:20	MB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12C0764	03/07/12 15:31	MB	TAL NSH
Total	Prep	EPA 7470		1.00	12C0760_P	03/05/12 11:40	ALJ	TAL NSH
Total	Analysis	SW846 7470A		1.00	12C0760	03/06/12 14:39	ALJ	TAL NSH
Total	Prep	*** DEFAULT PREP ***			12C4880_P	03/23/12 13:44	KAH	TAL NSH
Total	Analysis	subcontract		1.00	12C4880	03/23/12 13:45	KAH	TAL NSH

## Client Sample ID: Trip Blank

## Lab Sample ID: NWC0375-09

Date Collected: 02/29/12 00:01

Matrix: Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C0744_P	03/05/12 16:32	AJF	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003936	03/05/12 21:09	CMM	TAL NSH

## Client Sample ID: Trip Blank 2

## Lab Sample ID: NWC0375-10

Date Collected: 02/29/12 00:01

Matrix: Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C0744_P	03/05/12 16:32	AJF	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003936	03/05/12 21:37	CMM	TAL NSH

## Client Sample ID: Trip Blank 3

## Lab Sample ID: NWC0375-11

Date Collected: 02/29/12 00:01

Matrix: Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C0744_P	03/05/12 16:32	AJF	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003936	03/05/12 22:05	CMM	TAL NSH

### Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

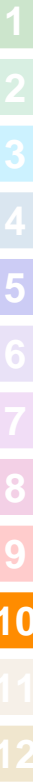
TestAmerica Job ID: NWC0375

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH
subcontract	Subcontracted Analysis		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Certification Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0375

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

**H2C020432 Analytical Report ..... 1**  
**Sample Receipt Documentation ..... 35**  
**Total Number of Pages ..... 49**





**ANALYTICAL REPORT**

PROJECT NO. 1131-08-554

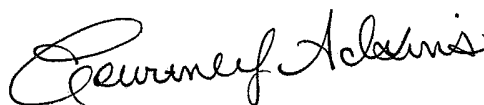
Port Access Road

Lot #: H2C020432

Ken Hayes

TestAmerica Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204

TESTAMERICA LABORATORIES, INC.



Courtney M. Adkins  
Project Manager

March 22, 2012



# ANALYTICAL METHODS SUMMARY

H2C020432

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Dibenzodioxins and Dibenzofurans, HRGC/HRMS	SW846 8290A
Percent Moisture	MCAWW 160.3 MOD

**References :**

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

## SAMPLE SUMMARY

H2C020432

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
MQ7JH	001	TRACT 37	SB-1 (0-2)	02/29/12	16:00
MQ7JK	002	TRACT 37	SB-1 (22-26)	02/29/12	16:15
MQ7JL	003	TRACT 37	TW-1 (20-24)	02/29/12	16:30
MQ7JM	004	TRACT 37	SB-2 (0-2)	02/29/12	11:00
MQ7JN	005	TRACT 37	SB-2 (8-12)	02/29/12	11:15
MQ7JP	006	TRACT 37	TW-2 (10-14)	02/29/12	11:30
MQ7JQ	007	TRACT 37	SS-1	02/29/12	10:50
MQ7JR	008	TRACT 37	SW-1	02/29/12	11:10

**NOTE (S) :**

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.



## PROJECT NARRATIVE H2C020432

The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

### Comments

Per client request samples 001-008 are included in this report.

**The original chain of custody documentation is included with this report.**

### Sample Receipt

There were no problems with the condition of the samples received.

### Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

All positive 2378-TCDF results at or above the minimum level were confirmed on a DB-225 column.

The following flags are used to qualify results for chlorinated dioxin and furan results:

**J** – The reported result is an estimate. The amount reported is below the Minimum Level (ML). The qualitative definition of the ML is “the lowest level at which the analytical system must give a reliable signal and an acceptable calibration point”. The ML was introduced in EPA Methods 1624 and 1625 in 1980 and was promulgated in these methods in 1984 at 40 CFR Part 136, Appendix A. For the purposes of this report, the ML is qualitatively defined as described above, and quantitatively defined as follows:

**Minimum Level:** The concentration or mass of analyte in the sample that corresponds to the lowest calibration level in the initial calibration. It represents a concentration (in the sample extract) equivalent to that of the lowest calibration standard, after corrections for method-specified sample weights, volumes and cleanup procedures has been employed.

Example: The lowest calibration level for TCDD in the initial calibration is 0.5 pg/uL. A mass of 10 pg of 2,3,7,8-TCDD in the sample would result in a concentration of 0.5 pg/uL in the sample extract (at a final volume of 20 uL). Since the concentration in the sample extract corresponds to the concentration in the lowest calibration standard, the 10 pg mass in the sample components is the ML. If the sample extract is further diluted, the ML will increase by the dilution factor.

Example: A 1/10 dilution is performed on the sample extract described above. The ML for 2,3,7,8-TCDD becomes 100 pg rather than the default of 10 pg.



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**E** – The reported result is an estimate. The amount reported is above the Upper Calibration Level (UCL) described below. The quantitative definition of the UCL is listed below:

**Upper Calibration Level:** The concentration or mass of analyte in the sample that corresponds to the highest calibration level in the initial calibration. It is equivalent to the concentration of the highest calibration standard, assuming that all method-specified sample weights, volumes, and cleanup procedures have been employed.

Example: The maximum calibration level for TCDD in the initial calibration is 200 pg/uL. A mass of 4000 pg of 2,3,7,8-TCDD in the sampling components would result in a concentration of 200 pg/uL in the sample extract (at a final volume of 20 uL). Since the concentration in the sample extract corresponds to the concentration in the highest calibration standard, the 4000 pg mass in the sample components is the UCL. If the sample extract is further diluted, the ML will increase by the dilution factor.

Example: A 1/10 dilution is performed on the sample extract described above. The UCL for 2,3,7,8-TCDD becomes 40,000 pg rather than the default of 4000 pg. In this example, all positive 2,3,7,8-TCDD results above 40,000 pg are flagged with an E.

**B** – The analyte is present in the associated method blank at a detectable level. For this analysis, there is no method specified reporting level other than the qualitative criterion that peaks must exhibit a signal-to-noise ratio of  $\geq 2.5$  to 1. Therefore, the presence of any reportable amount of the analyte in the blank will result in a B qualifier on all associated samples.

**Q** – Estimated maximum possible concentration. This qualifier is used when the result is generated from chromatographic data that does not meet all the qualitative criteria for a positive identification given in the method. These criteria include the following:

- Ion abundance ratios must be within specified limits (+/-15% of theoretical ion abundance ratio).
- Retention time criteria (relative to the method-specified isotope labeled retention time standard).
- Co-maximization criterion. The two quantitation ion peaks must reach their maxima within 2 seconds of each other.
- Polychlorinated dibenzofuran purity. No peak can be identified as a polychlorinated dibenzofuran if a polychlorinated diphenyl ether peak maximizes within +/- 2 seconds of the furan candidate.

**S** – Ion suppression evident. The trace indicating the signal from the lock mass of the calibration compound shows a deflection at the retention time of the analyte. This may indicate a temporary suppression of the instrument sensitivity due to a matrix-borne interference.

**C** – Coeluting Isomer. The isomer is known to coelute with another member of its homologue group, or the peak shape is shouldered, indicating the likelihood of a coeluting isomer.



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X – Other. See explanation in narrative.

Laboratory studies supporting risk assessment and Total Maximum Daily Load (TMDL) evaluations, frequently use qualified data reported as low as the Method Detection Limit (MDL), or the Estimated Detection Limit (EDL). Several of EPA's isotope dilution methods employ the EDL.<sup>1,2,3</sup> The EDL is based on a direct measurement of the signal-to-noise (S/N) ratio acquired during sample analysis. This S/N measurement is used to calculate the concentration in the sample corresponding to the minimum intensity of the smallest quantifiable peak. The EDL reflects the amount of the particular analyte which would be required to cause a positive result for the particular analysis. Because the S/N obtained covaries with recovery, instrument sensitivity and sample-specific cleanup efficacy, the EDL is a more valid measure of the sensitivity of the entire analytical process for the specific sample than is an MDL run periodically on a reference matrix.

The EDL is typically calculated according to the following equation:

$$\text{Estimated Detection Limit} = \frac{N \times 2.5 \times Q_{is}}{H_{is} \times RRF \times W \times S}$$

Where:

- N = peak to peak noise of quantitation ion signal in the region of the ion chromatogram where the compound of interest is expected to elute
- H<sub>is</sub> = peak height of quantitation ion for appropriate internal standard
- Q<sub>is</sub> = ng of internal standard added to sample
- RRF = mean relative response factor of compound obtained during initial calibration
- W = amount of sample extracted (grams or liters)
- S = percent solids (optional, if results are requested to be reported on dry weight basis)

(The area of the internal standard is sometimes used instead of height, along with an area-to-height conversion factor.)

This method of estimating the detection limit differs from the MDL in that it does not carry the requirement that the sample be statistically distinguished as being from a contaminated population. As results approach the EDL, the risk of false positives and the analytical uncertainty increase significantly. However, a low false positive well below the ML or MDL is often closer to the true value than an assumption that the target analyte is present at the detection or reporting limits. For relatively clean samples, MDL studies may give an elevated estimate of the detection limit. Additionally, on contaminated samples, the MDL may give a falsely low estimate of the detection limit.

$$\text{Analyte Concentration} = \frac{A_s \times Q_{is}}{A_{is} \times RRF \times W \times S}$$

Where:

- A<sub>s</sub> = Sum of areas of the target peaks
- Q<sub>is</sub> = ng of internal standard added to sample

## PROJECT NARRATIVE H2C020432

Ais	=	Sum of areas of the internal standard peaks
RRF	=	mean relative response factor of compound obtained during initial calibration
W	=	amount of sample extracted (grams or liters)
S	=	percent solids (optional, if results are requested to be reported on dry weight basis)

In sample data, peaks must have an intensity of  $\geq 2.5$  times the height of the background noise in order to be considered. Careful examination of the two equations above reveals that for the concentration of the smallest peak detectable (per the EDL equation) to exactly equal the smallest peaks that are calculated, requires that the average height to area ratio obtained during the calibration must equal the area to height ratio for every peak obtained near 2.5 times the noise. When the area to height ratio on a peak in a sample is less than the average obtained during calibration, the calculated result will correspond to a peak that would have been less than 2.5 times the noise on the calibration. This is the result of normal variability. Because the source methods for the EDL (SW-846 8290 and 8280A) do not provide for censoring of results by any other magnitude standard than being 2.5 times the noise, the laboratory does not censor at the calculated EDL. Hence, detections may be reported below the estimated detection limits.

### Footnotes:

1. Code of Federal Regulations, Part 136, Chapter 1, Appendix 1, October 1994: Method 1613 Tetra- Through Octa-Chlorinated Dioxins and Furans by Isotope Dilution High Resolution Gas Chromatography/High Resolution Mass Spectrometry.
2. U.S. EPA. Test Methods for Evaluating Solid Waste, Volume II, SW-846, Update III, December 1996. Method 8280A: The Analysis of Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by High Resolution Gas Chromatography/Low Resolution Mass Spectrometry.
3. U.S. EPA. Test Methods for Evaluating Solid Waste, SW-846. Third Edition. March 1995 Method 8290: Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by High Resolution Gas Chromatography/High Resolution Mass Spectrometry.

## CERTIFICATION SUMMARY

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Knoxville	ACLASS	DoD ELAP		ADE-1434
TestAmerica Knoxville	Arkansas	State Program	6	88-0688
TestAmerica Knoxville	California	State Program	9	2423
TestAmerica Knoxville	Colorado	State Program	8	N/A
TestAmerica Knoxville	Connecticut	State Program	1	PH-0223
TestAmerica Knoxville	Florida	NELAC	4	E87177
TestAmerica Knoxville	Georgia	State Program	4	906
TestAmerica Knoxville	Hawaii	State Program	9	N/A
TestAmerica Knoxville	Indiana	State Program	5	C-TN-02
TestAmerica Knoxville	Iowa	State Program	7	375
TestAmerica Knoxville	Kansas	NELAC	7	E-10349
TestAmerica Knoxville	Kentucky	State Program	4	90101
TestAmerica Knoxville	Louisiana	NELAC	6	LA110001
TestAmerica Knoxville	Louisiana	NELAC	6	83979
TestAmerica Knoxville	Maryland	State Program	3	277
TestAmerica Knoxville	Michigan	State Program	5	9933
TestAmerica Knoxville	Minnesota	NELAC	5	047-999-429
TestAmerica Knoxville	Nevada	State Program	9	TN00009
TestAmerica Knoxville	New Jersey	NELAC	2	TN001
TestAmerica Knoxville	New York	NELAC	2	10781
TestAmerica Knoxville	North Carolina	North Carolina DENR	4	64
TestAmerica Knoxville	North Carolina	North Carolina PHL	4	21705
TestAmerica Knoxville	Ohio	OVAP	5	CL0059
TestAmerica Knoxville	Oklahoma	State Program	6	9415
TestAmerica Knoxville	Pennsylvania	NELAC	3	68-00576
TestAmerica Knoxville	South Carolina	State Program	4	84001
TestAmerica Knoxville	Tennessee	State Program	4	2014
TestAmerica Knoxville	Texas	NELAC	6	T104704380-TX
TestAmerica Knoxville	USDA	USDA		P330-11-00035
TestAmerica Knoxville	Utah	NELAC	8	QUAN3
TestAmerica Knoxville	Virginia	State Program	3	165
TestAmerica Knoxville	Washington	State Program	10	C593
TestAmerica Knoxville	West Virginia	West Virginia DEP	3	345
TestAmerica Knoxville	West Virginia	West Virginia DHHR (DW)	3	9955C
TestAmerica Knoxville	Wisconsin	State Program	5	998044300

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



# QC DATA ASSOCIATION SUMMARY

H2C020432

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
002	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
003	WATER	SW846 8290A		2072025	
004	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
005	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
006	WATER	SW846 8290A		2072025	
007	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
008	WATER	SW846 8290A		2072025	
009	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
010	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
011	WATER	SW846 8290A		2072025	

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-1(0-2)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 001	<b>Work Order #....:</b>	MQ7JH1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	17
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	9.9 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

<u>PARAMETER</u>	<u>RESULT</u>		<u>MINIMUM LEVEL</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND		1.2	0.22	pg/g
1,2,3,7,8-PeCDD	ND		6.1	0.11	pg/g
<b>1,2,3,4,7,8-HxCDD</b>	<b>0.27</b>	<b>Q J</b>	6.1	<b>0.090</b>	pg/g
<b>1,2,3,6,7,8-HxCDD</b>	<b>0.42</b>	<b>J</b>	6.1	<b>0.092</b>	pg/g
<b>1,2,3,7,8,9-HxCDD</b>	<b>1.4</b>	<b>Q J</b>	6.1	<b>0.085</b>	pg/g
<b>1,2,3,4,6,7,8-HpCDD</b>	<b>24</b>		6.1	<b>0.13</b>	pg/g
<b>OCDD</b>	<b>340</b>	<b>B</b>	<b>12</b>	<b>0.12</b>	pg/g
2,3,7,8-TCDF	ND		1.2	0.14	pg/g
1,2,3,7,8-PeCDF	ND		6.1	0.080	pg/g
2,3,4,7,8-PeCDF	ND		6.1	0.076	pg/g
1,2,3,4,7,8-HxCDF	ND		6.1	0.056	pg/g
1,2,3,6,7,8-HxCDF	ND		6.1	0.053	pg/g
2,3,4,6,7,8-HxCDF	ND		6.1	0.059	pg/g
1,2,3,7,8,9-HxCDF	ND		6.1	0.068	pg/g
1,2,3,4,6,7,8-HpCDF	ND		6.1	0.066	pg/g
1,2,3,4,7,8,9-HpCDF	ND		6.1	0.090	pg/g
<b>OCDF</b>	<b>0.22</b>	<b>Q B J</b>	<b>12</b>	<b>0.092</b>	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	88	40 - 135
13C-1,2,3,7,8-PeCDD	99	40 - 135
13C-1,2,3,4,7,8-HxCDD	83	40 - 135
13C-1,2,3,6,7,8-HxCDD	66	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	81	40 - 135
13C-OCDD	78	40 - 135
13C-2,3,7,8-TCDF	83	40 - 135
13C-1,2,3,7,8-PeCDF	97	40 - 135
13C-2,3,4,7,8-PeCDF	95	40 - 135
13C-1,2,3,4,7,8-HxCDF	75	40 - 135
13C-1,2,3,6,7,8-HxCDF	65	40 - 135
13C-2,3,4,6,7,8-HxCDF	72	40 - 135
13C-1,2,3,7,8,9-HxCDF	71	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	72	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	78	40 - 135

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-1(0-2)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 001	<b>Work Order #....:</b>	MQ7JH1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	17
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	9.9 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

Sample results, minimum levels, and estimated detection limits are reported on a dry weight basis and have been adjusted for percent moisture.

**QUALIFIERS**

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-1(22-26)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b> H2C020432 - 002	<b>Work Order #....:</b> MQ7JK1AA	<b>Matrix....:</b> SOLID
<b>Date Sampled....:</b> 02/29/12	<b>Date Received....:</b> 03/02/12	<b>Dilution Factor:</b> 1
<b>Prep Date....:</b> 03/06/12	<b>Analysis Date....:</b> 03/20/12	<b>Percent Moisture</b> 22
<b>Prep Batch # ....:</b> 2066035		
<b>Initial Wgt/Vol :</b> 10.3 g	<b>Instrument ID....:</b> M2A	<b>Method:</b> SW846 8290A
<b>Analyst ID....:</b> Patricia(Trish) M. Parsly		

<u>PARAMETER</u>	<u>RESULT</u>	<u>MINIMUM LEVEL</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	1.2	0.19	pg/g
1,2,3,7,8-PeCDD	ND	6.2	0.093	pg/g
1,2,3,4,7,8-HxCDD	ND	6.2	0.070	pg/g
1,2,3,6,7,8-HxCDD	ND	6.2	0.079	pg/g
1,2,3,7,8,9-HxCDD	ND	6.2	0.069	pg/g
<b>1,2,3,4,6,7,8-HpCDD</b>	<b>1.3 J</b>	<b>6.2</b>	<b>0.087</b>	<b>pg/g</b>
<b>OCDD</b>	<b>15 B</b>	<b>12</b>	<b>0.090</b>	<b>pg/g</b>
2,3,7,8-TCDF	ND	1.2	0.11	pg/g
1,2,3,7,8-PeCDF	ND	6.2	0.064	pg/g
2,3,4,7,8-PeCDF	ND	6.2	0.064	pg/g
1,2,3,4,7,8-HxCDF	ND	6.2	0.043	pg/g
1,2,3,6,7,8-HxCDF	ND	6.2	0.039	pg/g
2,3,4,6,7,8-HxCDF	ND	6.2	0.044	pg/g
1,2,3,7,8,9-HxCDF	ND	6.2	0.050	pg/g
1,2,3,4,6,7,8-HpCDF	ND	6.2	0.061	pg/g
1,2,3,4,7,8,9-HpCDF	ND	6.2	0.083	pg/g
<b>OCDF</b>	<b>0.14 Q B J</b>	<b>12</b>	<b>0.068</b>	<b>pg/g</b>

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	94	40 - 135
13C-1,2,3,4,7,8-HxCDD	79	40 - 135
13C-1,2,3,6,7,8-HxCDD	65	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	78	40 - 135
13C-OCDD	76	40 - 135
13C-2,3,7,8-TCDF	82	40 - 135
13C-1,2,3,7,8-PeCDF	95	40 - 135
13C-2,3,4,7,8-PeCDF	89	40 - 135
13C-1,2,3,4,7,8-HxCDF	72	40 - 135
13C-1,2,3,6,7,8-HxCDF	64	40 - 135
13C-2,3,4,6,7,8-HxCDF	69	40 - 135
13C-1,2,3,7,8,9-HxCDF	67	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	68	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	74	40 - 135

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-1(22-26)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 002	<b>Work Order #....:</b>	MQ7JK1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	22
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	10.3 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

Sample results, minimum levels, and estimated detection limits are reported on a dry weight basis and have been adjusted for percent moisture.

**QUALIFIERS**

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

**TestAmerica Nashville**  
**Sample ID: TRACT 37 TW-1(20-24)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 003	<b>Work Order #....:</b>	MQ7JL1AA	<b>Matrix....:</b>	WATER
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/12/12	<b>Analysis Date....:</b>	03/21/12		
<b>Prep Batch # ....:</b>	2072025				
<b>Initial Wgt/Vol :</b>	1040 mL	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		9.6	2.1	pg/L
1,2,3,7,8-PeCDD	ND		48	1.3	pg/L
1,2,3,4,7,8-HxCDD	ND		48	0.96	pg/L
1,2,3,6,7,8-HxCDD	ND		48	1.1	pg/L
<b>1,2,3,7,8,9-HxCDD</b>	<b>1.4</b>	<b>Q J</b>	<b>48</b>	<b>0.96</b>	<b>pg/L</b>
<b>1,2,3,4,6,7,8-HpCDD</b>	<b>6.1</b>	<b>Q J</b>	<b>48</b>	<b>1.5</b>	<b>pg/L</b>
<b>OCDD</b>	<b>60</b>	<b>B J</b>	<b>96</b>	<b>1.4</b>	<b>pg/L</b>
2,3,7,8-TCDF	ND		9.6	1.5	pg/L
1,2,3,7,8-PeCDF	ND		48	0.81	pg/L
2,3,4,7,8-PeCDF	ND		48	0.79	pg/L
1,2,3,4,7,8-HxCDF	ND		48	0.65	pg/L
1,2,3,6,7,8-HxCDF	ND		48	0.64	pg/L
2,3,4,6,7,8-HxCDF	ND		48	0.73	pg/L
1,2,3,7,8,9-HxCDF	ND		48	0.73	pg/L
<b>1,2,3,4,6,7,8-HpCDF</b>	<b>0.68</b>	<b>Q J</b>	<b>48</b>	<b>1.2</b>	<b>pg/L</b>
1,2,3,4,7,8,9-HpCDF	ND		48	1.5	pg/L
<b>OCDF</b>	<b>1.5</b>	<b>B J</b>	<b>96</b>	<b>1.3</b>	<b>pg/L</b>

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	94	40 - 135
13C-1,2,3,7,8-PeCDD	101	40 - 135
13C-1,2,3,4,7,8-HxCDD	84	40 - 135
13C-1,2,3,6,7,8-HxCDD	68	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	75	40 - 135
13C-OCDD	71	40 - 135
13C-2,3,7,8-TCDF	90	40 - 135
13C-1,2,3,7,8-PeCDF	101	40 - 135
13C-2,3,4,7,8-PeCDF	94	40 - 135
13C-1,2,3,4,7,8-HxCDF	73	40 - 135
13C-1,2,3,6,7,8-HxCDF	65	40 - 135
13C-2,3,4,6,7,8-HxCDF	74	40 - 135
13C-1,2,3,7,8,9-HxCDF	75	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	62	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	69	40 - 135

**TestAmerica Nashville**  
**Sample ID: TRACT 37 TW-1(20-24)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 003	<b>Work Order #....:</b>	MQ7JL1AA	<b>Matrix....:</b>	WATER
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/12/12	<b>Analysis Date....:</b>	03/21/12		
<b>Prep Batch # ....:</b>	2072025				
<b>Initial Wgt/Vol :</b>	1040 mL	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

**QUALIFIERS**

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-2(0-2)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 004	<b>Work Order #....:</b>	MQ7JM1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	14
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	10.1 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	0.32	J	1.1	0.27	pg/g
1,2,3,7,8-PeCDD	3.6	Q J	5.7	0.18	pg/g
1,2,3,4,7,8-HxCDD	6.0		5.7	0.14	pg/g
1,2,3,6,7,8-HxCDD	25		5.7	0.14	pg/g
1,2,3,7,8,9-HxCDD	17		5.7	0.13	pg/g
1,2,3,4,6,7,8-HpCDD	240		5.7	0.12	pg/g
OCDD	610	B	11	0.13	pg/g
1,2,3,7,8-PeCDF	4.9	J	5.7	0.16	pg/g
2,3,4,7,8-PeCDF	8.9		5.7	0.15	pg/g
1,2,3,4,7,8-HxCDF	9.9		5.7	0.078	pg/g
1,2,3,6,7,8-HxCDF	13	Q	5.7	0.081	pg/g
2,3,4,6,7,8-HxCDF	16		5.7	0.083	pg/g
1,2,3,7,8,9-HxCDF	1.7	J	5.7	0.11	pg/g
1,2,3,4,6,7,8-HpCDF	52		5.7	0.10	pg/g
1,2,3,4,7,8,9-HpCDF	11		5.7	0.14	pg/g
OCDF	32	B	11	0.11	pg/g

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	81	40 - 135
13C-1,2,3,7,8-PeCDD	90	40 - 135
13C-1,2,3,4,7,8-HxCDD	82	40 - 135
13C-1,2,3,6,7,8-HxCDD	67	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	81	40 - 135
13C-OCDD	78	40 - 135
13C-1,2,3,7,8-PeCDF	89	40 - 135
13C-2,3,4,7,8-PeCDF	86	40 - 135
13C-1,2,3,4,7,8-HxCDF	74	40 - 135
13C-1,2,3,6,7,8-HxCDF	64	40 - 135
13C-2,3,4,6,7,8-HxCDF	70	40 - 135
13C-1,2,3,7,8,9-HxCDF	65	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	71	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	75	40 - 135



**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-2(0-2)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 004	<b>Work Order #....:</b>	MQ7JM1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	14
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	10.1 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

Sample results, minimum levels, and estimated detection limits are reported on a dry weight basis and have been adjusted for percent moisture.

**QUALIFIERS**

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-2(0-2)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 004	<b>Work Order #....:</b>	MQ7JM1AD	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/21/12	<b>Percent Moisture</b>	14
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	10.1 g	<b>Instrument ID....:</b>	D12C	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Kenneya L. Wilson				

**Confirmation Run**

<u>PARAMETER</u>	<u>RESULT</u>	<u>MINIMUM LEVEL</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDF	2.9      Q	1.1	0.18	pg/g
 <u>INTERNAL STANDARDS</u>		<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
13C-2,3,7,8-TCDF		88	40 - 135	

Sample results, minimum levels, and estimated detection limits are reported on a dry weight basis and have been adjusted for percent moisture.

**QUALIFIERS**

Q      Estimated maximum possible concentration (EMPC).

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-2(8-12)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 005	<b>Work Order #....:</b>	MQ7JN1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	17
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	10.2 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		1.2	0.27	pg/g
1,2,3,7,8-PeCDD	0.24	Q J	5.9	0.16	pg/g
1,2,3,4,7,8-HxCDD	0.28	J	5.9	0.13	pg/g
1,2,3,6,7,8-HxCDD	0.92	J	5.9	0.13	pg/g
1,2,3,7,8,9-HxCDD	0.84	J	5.9	0.12	pg/g
1,2,3,4,6,7,8-HpCDD	9.4		5.9	0.13	pg/g
OCDD	28	B	12	0.15	pg/g
2,3,7,8-TCDF	0.65	Q J	1.2	0.20	pg/g
1,2,3,7,8-PeCDF	0.23	J	5.9	0.12	pg/g
2,3,4,7,8-PeCDF	0.47	Q J	5.9	0.11	pg/g
1,2,3,4,7,8-HxCDF	1.3	Q J	5.9	0.074	pg/g
1,2,3,6,7,8-HxCDF	0.61	J	5.9	0.074	pg/g
2,3,4,6,7,8-HxCDF	0.92	J	5.9	0.080	pg/g
1,2,3,7,8,9-HxCDF	ND		5.9	0.11	pg/g
1,2,3,4,6,7,8-HpCDF	3.1	J	5.9	0.10	pg/g
1,2,3,4,7,8,9-HpCDF	0.58	Q J	5.9	0.15	pg/g
OCDF	1.6	B J	12	0.12	pg/g

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	97	40 - 135
13C-1,2,3,4,7,8-HxCDD	85	40 - 135
13C-1,2,3,6,7,8-HxCDD	69	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	85	40 - 135
13C-OCDD	83	40 - 135
13C-2,3,7,8-TCDF	83	40 - 135
13C-1,2,3,7,8-PeCDF	89	40 - 135
13C-2,3,4,7,8-PeCDF	91	40 - 135
13C-1,2,3,4,7,8-HxCDF	75	40 - 135
13C-1,2,3,6,7,8-HxCDF	66	40 - 135
13C-2,3,4,6,7,8-HxCDF	73	40 - 135
13C-1,2,3,7,8,9-HxCDF	57	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	74	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	77	40 - 135

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-2(8-12)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 005	<b>Work Order #....:</b>	MQ7JN1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	17
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	10.2 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

Sample results, minimum levels, and estimated detection limits are reported on a dry weight basis and have been adjusted for percent moisture.

**QUALIFIERS**

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

**TestAmerica Nashville**  
**Sample ID: TRACT 37 TW-2(10-14)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 006	<b>Work Order #....:</b>	MQ7JP1AA	<b>Matrix....:</b>	WATER
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/12/12	<b>Analysis Date....:</b>	03/21/12		
<b>Prep Batch # ....:</b>	2072025				
<b>Initial Wgt/Vol :</b>	960 mL	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Kathryn B. Lay				

<u>PARAMETER</u>	<u>RESULT</u>	<u>MINIMUM LEVEL</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	10	2.3	pg/L
1,2,3,7,8-PeCDD	ND	52	1.4	pg/L
1,2,3,4,7,8-HxCDD	ND	52	1.0	pg/L
1,2,3,6,7,8-HxCDD	ND	52	1.1	pg/L
1,2,3,7,8,9-HxCDD	ND	52	1.0	pg/L
1,2,3,4,6,7,8-HpCDD	ND	52	1.3	pg/L
<b>OCDD</b>	<b>6.1</b>	<b>100</b>	<b>1.3</b>	<b>pg/L</b>
2,3,7,8-TCDF	ND	10	1.5	pg/L
1,2,3,7,8-PeCDF	ND	52	0.83	pg/L
2,3,4,7,8-PeCDF	ND	52	0.85	pg/L
1,2,3,4,7,8-HxCDF	ND	52	0.56	pg/L
1,2,3,6,7,8-HxCDF	ND	52	0.60	pg/L
2,3,4,6,7,8-HxCDF	ND	52	0.65	pg/L
1,2,3,7,8,9-HxCDF	ND	52	0.63	pg/L
1,2,3,4,6,7,8-HpCDF	ND	52	0.83	pg/L
1,2,3,4,7,8,9-HpCDF	ND	52	1.2	pg/L
OCDF	ND	100	1.0	pg/L

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	98	40 - 135
13C-1,2,3,7,8-PeCDD	106	40 - 135
13C-1,2,3,4,7,8-HxCDD	104	40 - 135
13C-1,2,3,6,7,8-HxCDD	79	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 135
13C-OCDD	90	40 - 135
13C-2,3,7,8-TCDF	96	40 - 135
13C-1,2,3,7,8-PeCDF	115	40 - 135
13C-2,3,4,7,8-PeCDF	101	40 - 135
13C-1,2,3,4,7,8-HxCDF	88	40 - 135
13C-1,2,3,6,7,8-HxCDF	76	40 - 135
13C-2,3,4,6,7,8-HxCDF	85	40 - 135
13C-1,2,3,7,8,9-HxCDF	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	85	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	90	40 - 135

**TestAmerica Nashville**  
**Sample ID: TRACT 37 TW-2(10-14)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 006	<b>Work Order #....:</b>	MQ7JP1AA	<b>Matrix....:</b>	WATER
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/12/12	<b>Analysis Date....:</b>	03/21/12		
<b>Prep Batch # ....:</b>	2072025				
<b>Initial Wgt/Vol :</b>	960 mL	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Kathryn B. Lay				

**QUALIFIERS**

- B Method blank contamination, The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SS-1**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 007	<b>Work Order #....:</b>	MQ7JQ1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	77
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	10.1 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

<u>PARAMETER</u>	<u>RESULT</u>	<u>MINIMUM LEVEL</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	4.2	0.57	pg/g
1,2,3,7,8-PeCDD	0.75 Q J	21	0.32	pg/g
1,2,3,4,7,8-HxCDD	0.72 Q J	21	0.24	pg/g
1,2,3,6,7,8-HxCDD	4.3 J	21	0.25	pg/g
1,2,3,7,8,9-HxCDD	2.4 Q J	21	0.23	pg/g
1,2,3,4,6,7,8-HpCDD	39	21	0.33	pg/g
OCDD	200 B	42	0.25	pg/g
2,3,7,8-TCDF	1.2 Q J	4.2	0.36	pg/g
1,2,3,7,8-PeCDF	0.62 J	21	0.24	pg/g
2,3,4,7,8-PeCDF	1.1 J	21	0.22	pg/g
1,2,3,4,7,8-HxCDF	0.80 Q J	21	0.16	pg/g
1,2,3,6,7,8-HxCDF	1.1 Q J	21	0.17	pg/g
2,3,4,6,7,8-HxCDF	1.2 Q J	21	0.17	pg/g
1,2,3,7,8,9-HxCDF	ND	21	0.24	pg/g
1,2,3,4,6,7,8-HpCDF	5.9 J	21	0.21	pg/g
1,2,3,4,7,8,9-HpCDF	1.0 J	21	0.30	pg/g
OCDF	7.7 B J	42	0.21	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	88	40 - 135
13C-1,2,3,7,8-PeCDD	99	40 - 135
13C-1,2,3,4,7,8-HxCDD	87	40 - 135
13C-1,2,3,6,7,8-HxCDD	72	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	87	40 - 135
13C-OCDD	85	40 - 135
13C-2,3,7,8-TCDF	85	40 - 135
13C-1,2,3,7,8-PeCDF	94	40 - 135
13C-2,3,4,7,8-PeCDF	96	40 - 135
13C-1,2,3,4,7,8-HxCDF	79	40 - 135
13C-1,2,3,6,7,8-HxCDF	68	40 - 135
13C-2,3,4,6,7,8-HxCDF	75	40 - 135
13C-1,2,3,7,8,9-HxCDF	65	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	75	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	79	40 - 135

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SS-1**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 007	<b>Work Order #....:</b>	MQ7JQ1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	77
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	10.1 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

Sample results, minimum levels, and estimated detection limits are reported on a dry weight basis and have been adjusted for percent moisture.

**QUALIFIERS**

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).



**TestAmerica Nashville**  
**Sample ID: TRACT 37 SW-1**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 008	<b>Work Order #....:</b>	MQ7JR1AA	<b>Matrix....:</b>	WATER
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/12/12	<b>Analysis Date....:</b>	03/21/12		
<b>Prep Batch # ....:</b>	2072025				
<b>Initial Wgt/Vol :</b>	1050 mL	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Kathryn B. Lay				

<u>PARAMETER</u>	<u>RESULT</u>	<u>MINIMUM LEVEL</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	9.5	2.7	pg/L
1,2,3,7,8-PeCDD	ND	48	1.5	pg/L
1,2,3,4,7,8-HxCDD	ND	48	1.1	pg/L
1,2,3,6,7,8-HxCDD	ND	48	1.2	pg/L
1,2,3,7,8,9-HxCDD	ND	48	1.1	pg/L
<b>1,2,3,4,6,7,8-HpCDD</b>	<b>5.2</b>	<b>48</b>	<b>1.9</b>	<b>pg/L</b>
<b>OCDD</b>	<b>17</b>	<b>95</b>	<b>1.4</b>	<b>pg/L</b>
2,3,7,8-TCDF	ND	9.5	1.7	pg/L
1,2,3,7,8-PeCDF	ND	48	1.0	pg/L
2,3,4,7,8-PeCDF	ND	48	1.0	pg/L
1,2,3,4,7,8-HxCDF	ND	48	0.72	pg/L
1,2,3,6,7,8-HxCDF	ND	48	0.68	pg/L
2,3,4,6,7,8-HxCDF	ND	48	0.79	pg/L
1,2,3,7,8,9-HxCDF	ND	48	0.76	pg/L
1,2,3,4,6,7,8-HpCDF	ND	48	1.0	pg/L
1,2,3,4,7,8,9-HpCDF	ND	48	1.4	pg/L
OCDF	ND	95	1.5	pg/L

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	102	40 - 135
13C-1,2,3,7,8-PeCDD	110	40 - 135
13C-1,2,3,4,7,8-HxCDD	102	40 - 135
13C-1,2,3,6,7,8-HxCDD	79	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	91	40 - 135
13C-OCDD	88	40 - 135
13C-2,3,7,8-TCDF	99	40 - 135
13C-1,2,3,7,8-PeCDF	115	40 - 135
13C-2,3,4,7,8-PeCDF	106	40 - 135
13C-1,2,3,4,7,8-HxCDF	85	40 - 135
13C-1,2,3,6,7,8-HxCDF	74	40 - 135
13C-2,3,4,6,7,8-HxCDF	83	40 - 135
13C-1,2,3,7,8,9-HxCDF	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	81	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	88	40 - 135

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SW-1**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 008	<b>Work Order #....:</b>	MQ7JR1AA	<b>Matrix....:</b>	WATER
<b>Date Sampled....:</b>	02/29/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/12/12	<b>Analysis Date....:</b>	03/21/12		
<b>Prep Batch # ....:</b>	2072025				
<b>Initial Wgt/Vol :</b>	1050 mL	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Kathryn B. Lay				

**QUALIFIERS**

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.

**Method Blank Report**  
**Trace Level Organic Compounds**

Lot - Sample #....: H2C060000 - 035B      Work Order #....: MQ8V61AA      Matrix....: SOLID  
 Dilution Factor: 1  
 Prep Date....: 03/06/12      Analysis Date....: 03/16/12      Percent Moisture: 0.0  
 Prep Batch # ....: 2066035  
 Initial Wgt/Vol : 10 g      Instrument ID....: M2A      Method: SW846 8290A  
 Analyst ID....: Kathryn B. Lay

<u>PARAMETER</u>	<u>RESULT</u>		<u>MINIMUM LEVEL</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND		1.0	0.33	pg/g
1,2,3,7,8-PeCDD	ND		5.0	0.18	pg/g
1,2,3,4,7,8-HxCDD	ND		5.0	0.12	pg/g
1,2,3,6,7,8-HxCDD	ND		5.0	0.13	pg/g
1,2,3,7,8,9-HxCDD	ND		5.0	0.12	pg/g
1,2,3,4,6,7,8-HpCDD	ND		5.0	0.14	pg/g
<b>OCDD</b>	<b>0.66</b>	<b>Q J</b>	<b>10</b>	<b>0.16</b>	<b>pg/g</b>
2,3,7,8-TCDF	ND		1.0	0.21	pg/g
1,2,3,7,8-PeCDF	ND		5.0	0.13	pg/g
2,3,4,7,8-PeCDF	ND		5.0	0.12	pg/g
1,2,3,4,7,8-HxCDF	ND		5.0	0.087	pg/g
1,2,3,6,7,8-HxCDF	ND		5.0	0.082	pg/g
2,3,4,6,7,8-HxCDF	ND		5.0	0.093	pg/g
1,2,3,7,8,9-HxCDF	ND		5.0	0.10	pg/g
1,2,3,4,6,7,8-HpCDF	ND		5.0	0.13	pg/g
1,2,3,4,7,8,9-HpCDF	ND		5.0	0.19	pg/g
<b>OCDF</b>	<b>0.59</b>	<b>J</b>	<b>10</b>	<b>0.13</b>	<b>pg/g</b>

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	94	40 - 135
13C-1,2,3,4,7,8-HxCDD	86	40 - 135
13C-1,2,3,6,7,8-HxCDD	68	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	82	40 - 135
13C-OCDD	76	40 - 135
13C-2,3,7,8-TCDF	79	40 - 135
13C-1,2,3,7,8-PeCDF	87	40 - 135
13C-2,3,4,7,8-PeCDF	84	40 - 135
13C-1,2,3,4,7,8-HxCDF	71	40 - 135
13C-1,2,3,6,7,8-HxCDF	62	40 - 135
13C-2,3,4,6,7,8-HxCDF	68	40 - 135
13C-1,2,3,7,8,9-HxCDF	68	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	71	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	68	40 - 135

**Method Blank Report**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b> H2C060000 - 035B	<b>Work Order #....:</b> MQ8V61AA	<b>Matrix....:</b> SOLID
<b>Dilution Factor:</b> 1		
<b>Prep Date....:</b> 03/06/12	<b>Analysis Date....:</b> 03/16/12	<b>Percent Moisture:</b> 0.0
<b>Prep Batch # ....:</b> 2066035		
<b>Initial Wgt/Vol :</b> 10 g	<b>Instrument ID....:</b> M2A	<b>Method:</b> SW846 8290A
<b>Analyst ID....:</b> Kathryn B. Lay		

**QUALIFIERS**

- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

## LABORATORY CONTROL SAMPLE DATA REPORT

## Trace Level Organic Compounds

Client Lot # ...: H2C020432      Work Order # ...: MQ8V61AC-LCS      Matrix .....: SOLID  
 LCS Lot-Sample#: H2C060000 - 035      MQ8V61AD-LCSD  
 Prep Date .....: 03/06/12      Analysis Date ..: 03/16/12  
 Prep Batch # ...: 2066035  
 Dilution Factor : 1  
 Analyst ID.....: Kathryn B. Lay      Instrument ID..: M2A      Method.....: SW846 8290A  
 Initial Wgt/Vol: 10 g

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	20.0	20.1	pg/g	100	(72 - 123)		
	20.0	20.9	pg/g	104	(72 - 123)	3.9	(0 - 15)
1,2,3,7,8-PeCDD	100	99.5	pg/g	99	(72 - 122)		
	100	101	pg/g	101	(72 - 122)	1.6	(0 - 15)
1,2,3,4,7,8-HxCDD	100	96.5	pg/g	97	(65 - 115)		
	100	97.0	pg/g	97	(65 - 115)	0.46	(0 - 15)
1,2,3,6,7,8-HxCDD	100	94.6	pg/g	95	(82 - 143)		
	100	92.5	pg/g	93	(82 - 143)	2.2	(0 - 15)
1,2,3,7,8,9-HxCDD	100	98.9	pg/g	99	(75 - 125)		
	100	97.5	pg/g	97	(75 - 125)	1.4	(0 - 15)
1,2,3,4,6,7,8-HpCDD	100	92.3	pg/g	92	(80 - 130)		
	100	95.8	pg/g	96	(80 - 130)	3.7	(0 - 15)
OCDD	200	188	pg/g	94	(86 - 136)		
	200	192	pg/g	96	(86 - 136)	2.0	(0 - 15)
2,3,7,8-TCDF	20.0	19.0	pg/g	95	(75 - 125)		
	20.0	19.3	pg/g	97	(75 - 125)	1.5	(0 - 15)
1,2,3,7,8-PeCDF	100	97.1	pg/g	97	(77 - 127)		
	100	94.3	pg/g	94	(77 - 127)	2.9	(0 - 15)
2,3,4,7,8-PeCDF	100	96.4	pg/g	96	(71 - 121)		
	100	95.4	pg/g	95	(71 - 121)	1.0	(0 - 15)
1,2,3,4,7,8-HxCDF	100	98.4	pg/g	98	(77 - 127)		
	100	96.9	pg/g	97	(77 - 127)	1.6	(0 - 15)
1,2,3,6,7,8-HxCDF	100	97.2	pg/g	97	(74 - 124)		
	100	97.9	pg/g	98	(74 - 124)	0.67	(0 - 15)
2,3,4,6,7,8-HxCDF	100	97.6	pg/g	98	(78 - 128)		
	100	97.5	pg/g	97	(78 - 128)	0.17	(0 - 15)
1,2,3,7,8,9-HxCDF	100	101	pg/g	101	(74 - 124)		
	100	96.5	pg/g	97	(74 - 124)	4.5	(0 - 15)
1,2,3,4,6,7,8-HpCDF	100	91.4	pg/g	91	(83 - 133)		
	100	92.9	pg/g	93	(83 - 133)	1.6	(0 - 15)
1,2,3,4,7,8,9-HpCDF	100	95.5	pg/g	95	(75 - 125)		
	100	96.7	pg/g	97	(75 - 125)	1.3	(0 - 15)
OCDF	200	174	pg/g	87	(58 - 139)		
	200	177	pg/g	89	(58 - 139)	1.7	(0 - 15)
INTERNAL STANDARD				PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD				88	(40 - 135)		
				83	(40 - 135)		
13C-1,2,3,7,8-PeCDD				100	(40 - 135)		
				90	(40 - 135)		
13C-1,2,3,4,7,8-HxCDD				84	(40 - 135)		

## LABORATORY CONTROL SAMPLE DATA REPORT

## Trace Level Organic Compounds

Client Lot # ...: H2C020432

Work Order # ...: MQ8V61AC-LCS

Matrix .....: SOLID

LCS Lot-Sample#: H2C060000 - 035

MQ8V61AD-LCSD

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
	84	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	69	(40 - 135)
	69	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	93	(40 - 135)
	89	(40 - 135)
13C-OCDD	94	(40 - 135)
	86	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
	76	(40 - 135)
13C-1,2,3,7,8-PeCDF	90	(40 - 135)
	81	(40 - 135)
13C-2,3,4,7,8-PeCDF	90	(40 - 135)
	83	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	70	(40 - 135)
	72	(40 - 135)
13C-1,2,3,6,7,8-HxCDF	62	(40 - 135)
	62	(40 - 135)
13C-2,3,4,6,7,8-HxCDF	71	(40 - 135)
	70	(40 - 135)
13C-1,2,3,7,8,9-HxCDF	71	(40 - 135)
	69	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	76	(40 - 135)
	76	(40 - 135)
13C-1,2,3,4,7,8,9-HpCDF	78	(40 - 135)
	76	(40 - 135)

**Notes:**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

**Method Blank Report**  
**Trace Level Organic Compounds**

Lot - Sample #....: H2C120000 - 025B      Work Order #....: MRCP11AA      Matrix....: WATER  
 Dilution Factor: 1  
 Prep Date....: 03/12/12      Analysis Date....: 03/21/12  
 Prep Batch # ....: 2072025  
 Initial Wgt/Vol : 1000 mL      Instrument ID....: M2A      Method: SW846 8290A  
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		10	2.4	pg/L
1,2,3,7,8-PeCDD	ND		50	1.5	pg/L
1,2,3,4,7,8-HxCDD	ND		50	1.1	pg/L
1,2,3,6,7,8-HxCDD	ND		50	1.2	pg/L
1,2,3,7,8,9-HxCDD	ND		50	1.1	pg/L
1,2,3,4,6,7,8-HpCDD	ND		50	1.5	pg/L
<b>OCDD</b>	<b>2.2</b>	<b>J</b>	<b>100</b>	<b>1.2</b>	<b>pg/L</b>
2,3,7,8-TCDF	ND		10	1.7	pg/L
1,2,3,7,8-PeCDF	ND		50	1.1	pg/L
2,3,4,7,8-PeCDF	ND		50	0.97	pg/L
1,2,3,4,7,8-HxCDF	ND		50	0.78	pg/L
1,2,3,6,7,8-HxCDF	ND		50	0.74	pg/L
2,3,4,6,7,8-HxCDF	ND		50	0.79	pg/L
1,2,3,7,8,9-HxCDF	ND		50	0.82	pg/L
1,2,3,4,6,7,8-HpCDF	ND		50	0.89	pg/L
1,2,3,4,7,8,9-HpCDF	ND		50	1.2	pg/L
<b>OCDF</b>	<b>2.7</b>	<b>J</b>	<b>100</b>	<b>1.4</b>	<b>pg/L</b>

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	98	40 - 135
13C-1,2,3,7,8-PeCDD	109	40 - 135
13C-1,2,3,4,7,8-HxCDD	96	40 - 135
13C-1,2,3,6,7,8-HxCDD	77	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	96	40 - 135
13C-OCDD	88	40 - 135
13C-2,3,7,8-TCDF	94	40 - 135
13C-1,2,3,7,8-PeCDF	99	40 - 135
13C-2,3,4,7,8-PeCDF	100	40 - 135
13C-1,2,3,4,7,8-HxCDF	78	40 - 135
13C-1,2,3,6,7,8-HxCDF	70	40 - 135
13C-2,3,4,6,7,8-HxCDF	84	40 - 135
13C-1,2,3,7,8,9-HxCDF	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	81	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	93	40 - 135

**Method Blank Report**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b> H2C120000 - 025B	<b>Work Order #....:</b> MRCP11AA	<b>Matrix....:</b> WATER
<b>Dilution Factor:</b> 1		
<b>Prep Date....:</b> 03/12/12	<b>Analysis Date....:</b> 03/21/12	
<b>Prep Batch # ....:</b> 2072025		
<b>Initial Wgt/Vol :</b> 1000 mL	<b>Instrument ID....:</b> M2A	<b>Method:</b> SW846 8290A
<b>Analyst ID....:</b> Patricia(Trish) M. Parsly		

**QUALIFIERS**

J Estimated Result.



## LABORATORY CONTROL SAMPLE DATA REPORT

## Trace Level Organic Compounds

Client Lot # ...: H2C020432      Work Order # ...: MRCP11AC-LCS      Matrix .....: WATER  
 LCS Lot-Sample# : H2C120000 - 025      MRCP11AD-LCSD  
 Prep Date .....: 03/12/12      Analysis Date ..: 03/21/12  
 Prep Batch # ...: 2072025  
 Dilution Factor : 1  
 Analyst ID.....: Patricia(Trish) M. Parsl      Instrument ID..: M2A      Method.....: SW846 8290A  
 Initial Wgt/Vol: 1000 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	200	198	pg/L	99	(69 - 125)		
	200	204	pg/L	102	(69 - 125)	2.5	(0 - 15)
1,2,3,7,8-PeCDD	1000	994	pg/L	99	(72 - 122)		
	1000	978	pg/L	98	(72 - 122)	1.6	(0 - 15)
1,2,3,4,7,8-HxCDD	1000	943	pg/L	94	(65 - 115)		
	1000	953	pg/L	95	(65 - 115)	1.0	(0 - 15)
1,2,3,6,7,8-HxCDD	1000	912	pg/L	91	(81 - 147)		
	1000	926	pg/L	93	(81 - 147)	1.6	(0 - 15)
1,2,3,7,8,9-HxCDD	1000	1020	pg/L	102	(77 - 127)		
	1000	1070	pg/L	107	(77 - 127)	5.3	(0 - 15)
1,2,3,4,6,7,8-HpCDD	1000	919	pg/L	92	(79 - 129)		
	1000	939	pg/L	94	(79 - 129)	2.2	(0 - 15)
OCDD	2000	1880	pg/L	94	(85 - 135)		
	2000	1890	pg/L	95	(85 - 135)	0.54	(0 - 15)
2,3,7,8-TCDF	200	190	pg/L	95	(73 - 123)		
	200	185	pg/L	92	(73 - 123)	2.6	(0 - 15)
1,2,3,7,8-PeCDF	1000	940	pg/L	94	(78 - 128)		
	1000	944	pg/L	94	(78 - 128)	0.49	(0 - 15)
2,3,4,7,8-PeCDF	1000	958	pg/L	96	(72 - 122)		
	1000	982	pg/L	98	(72 - 122)	2.5	(0 - 15)
1,2,3,4,7,8-HxCDF	1000	948	pg/L	95	(78 - 128)		
	1000	979	pg/L	98	(78 - 128)	3.2	(0 - 15)
1,2,3,6,7,8-HxCDF	1000	972	pg/L	97	(75 - 125)		
	1000	985	pg/L	99	(75 - 125)	1.3	(0 - 15)
2,3,4,6,7,8-HxCDF	1000	976	pg/L	98	(79 - 129)		
	1000	972	pg/L	97	(79 - 129)	0.43	(0 - 15)
1,2,3,7,8,9-HxCDF	1000	964	pg/L	96	(75 - 125)		
	1000	965	pg/L	97	(75 - 125)	0.18	(0 - 15)
1,2,3,4,6,7,8-HpCDF	1000	909	pg/L	91	(76 - 126)		
	1000	920	pg/L	92	(76 - 126)	1.2	(0 - 15)
1,2,3,4,7,8,9-HpCDF	1000	964	pg/L	96	(75 - 125)		
	1000	977	pg/L	98	(75 - 125)	1.3	(0 - 15)
OCDF	2000	1930	pg/L	96	(70 - 145)		
	2000	1930	pg/L	97	(70 - 145)	0.060	(0 - 15)
INTERNAL STANDARD				PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD				103	(40 - 135)		
				102	(40 - 135)		
13C-1,2,3,7,8-PeCDD				111	(40 - 135)		
				114	(40 - 135)		
13C-1,2,3,4,7,8-HxCDD				97	(40 - 135)		

## LABORATORY CONTROL SAMPLE DATA REPORT

## Trace Level Organic Compounds

Client Lot # ...: H2C020432

Work Order # ...: MRCP11AC-LCS  
MRCP11AD-LCSD

Matrix .....: WATER

LCS Lot-Sample#: H2C120000 - 025

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
	94	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	76	(40 - 135)
	71	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	101	(40 - 135)
	94	(40 - 135)
13C-OCDD	97	(40 - 135)
	104	(40 - 135)
13C-2,3,7,8-TCDF	95	(40 - 135)
	98	(40 - 135)
13C-1,2,3,7,8-PeCDF	109	(40 - 135)
	110	(40 - 135)
13C-2,3,4,7,8-PeCDF	103	(40 - 135)
	104	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	82	(40 - 135)
	75	(40 - 135)
13C-1,2,3,6,7,8-HxCDF	70	(40 - 135)
	66	(40 - 135)
13C-2,3,4,6,7,8-HxCDF	86	(40 - 135)
	83	(40 - 135)
13C-1,2,3,7,8,9-HxCDF	95	(40 - 135)
	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	82	(40 - 135)
	78	(40 - 135)
13C-1,2,3,4,7,8,9-HpCDF	97	(40 - 135)
	96	(40 - 135)

**Notes:**


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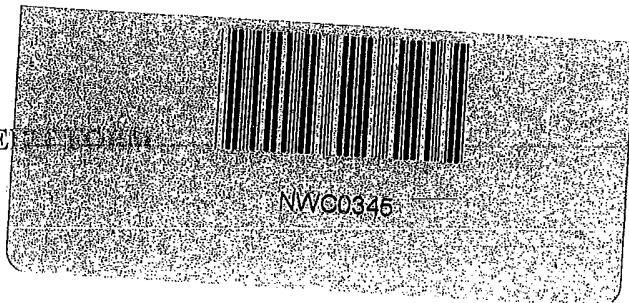
 Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING  
Nashville, TN

**COOLER RECEIPT**



Cooler Received/Opened On 3/2/2012 @ 0820

1. Tracking # 2146 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 2.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: (2) Front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) WJ

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (Initial) S

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) P

17. Were custody papers properly filled out (Ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) S

I certify that I attached a label with the unique LIMS number to each container (Initial) P

21. Were there Non-Conformance Issues at login? YES..NO Was a PIPE generated? YES...NO..#

**COOLER RECEIPT FORM**

NWC0345  
03/16/12 23:59

Cooler Received/Opened On 3/2/2012@ 8:20

1. Tracking # 2216 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID 18290455

2. Temperature of rep. sample or temp blank when opened: 1.1 Degrees Celsius

3. If item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO  NA

4. Were custody seals on outside of cooler?  YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly?  YES...NO...NA

6. Were custody papers inside cooler?  YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) JH

7. Were custody seals on containers: YES  NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process:  Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)?  YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler?  YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (Initial) S

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used  YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) S

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) S

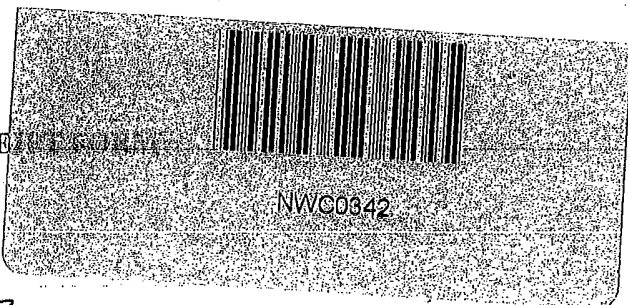
I certify that I attached a label with the unique LIMS number to each container (Initial) S

21. Were there Non-Conformance issues at login? YES...NO... Was a PIPE generated? YES...NO...#



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Nashville, TN

COOLER RECEIPT



Cooler Received/Opened On 3/2/2012 @ 08:20

1. Tracking # 5097 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 3.0 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2-Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) P.H.

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (Initial) P

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) P

17. Were custody papers properly filled out (Ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) P

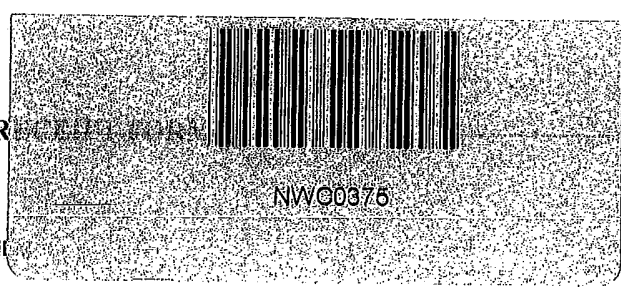
I certify that I attached a label with the unique LIMS number to each container (Initial) P

21. Were there Non-Conformance issues at login? YES...NO...Was a PIPE generated? YES...NO...#



**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING  
Nashville, TN

**COOLER RECEIPT**



Cooler Received/Opened On 3/2/2012 @ 0820

1. Tracking # 9099 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

- 2. Temperature of rep. sample or temp blank when opened: 2.8 Degrees Celsius
- 3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA
- 4. Were custody seals on outside of cooler? YES..NO...NA  
If yes, how many and where: (2) Front
- 5. Were the seals intact, signed, and dated correctly? YES..NO...NA
- 6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) WJ

- 7. Were custody seals on containers: YES NO and intact YES...NO...NA  
Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

- 10. Did all containers arrive in good condition (unbroken)? YES..NO...NA
- 11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA
- 12. Did all container labels and tags agree with custody papers? YES..NO...NA
- 13a. Were VOA vials received? YES..NO...NA
- b. Was there any observable headspace present in any VOA vial? YES..NO...NA
- 14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (initial) F

- 15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...NA
- b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) F

- 17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA
- 18. Did you sign the custody papers in the appropriate place? YES..NO...NA
- 19. Were correct containers used for the analysis requested? YES..NO...NA
- 20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) WJ

I certify that I attached a label with the unique LIMS number to each container (initial) WJ

21. Were there Non-Conformance Issues at login? YES..NO NO Was a PIPE generated? YES...NO...# NO

BIS = Broken in shipment  
Cooler Receipt Form.doc



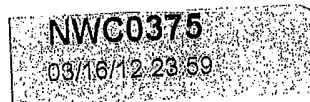
# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING  
Nashville, TN

## COOLER RECEIPT FORM

Cooler Received/Opened On 3/2/2012 @ 0820

1. Tracking # DA3-2-12-N/A 8872 (last 4 digits, FedEx)



Courier: FEDEX IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 0.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: Two front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) DA

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (Initial) DA

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) DA

17. Were custody papers properly filled out (Ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) DA

I certify that I attached a label with the unique LIMS number to each container (Initial) DA

21. Were there Non-Conformance Issues at login? YES...NO... Was a PIPE generated? YES...NO...#



COOLER RECEIPT FORM

Cooler Received/Opened On 3/2/2012 @ 8:20



1. Tracking # 8828 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 4.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES......NO...NA

4. Were custody seals on outside of cooler? YES......NO...NA

If yes, how many and where: 2 front

5. Were the seals intact, signed, and dated correctly? YES......NO...NA

6. Were custody papers inside cooler? YES......NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) JS

7. Were custody seals on containers: YES  NO  and intact YES......NO...NA

Were these signed and dated correctly? YES......NO...NA

8. Packing mat'l used?  Bubblewrap  Plastic bag  Peanuts  Vermiculite  Foam Insert  Paper  Other  None

9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry Ice  Other  None

10. Did all containers arrive in good condition (unbroken)? YES......NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES......NO...NA

12. Did all container labels and tags agree with custody papers? YES......NO...NA

13a. Were VOA vials received? YES......NO...NA

b. Was there any observable headspace present in any VOA vial? YES......NO...NA

14. Was there a Trip Blank in this cooler? YES......NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (Initial) JS

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES......NO...NA

b. Did the bottle labels indicate that the correct preservatives were used? YES......NO...NA

16. Was residual chlorine present? YES......NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) JS

17. Were custody papers properly filled out (ink, signed, etc)? YES......NO...NA

18. Did you sign the custody papers in the appropriate place? YES......NO...NA

19. Were correct containers used for the analysis requested? YES......NO...NA

20. Was sufficient amount of sample sent in each container? YES......NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) JS

I certify that I attached a label with the unique LIMS number to each container (Initial) JS

21. Were there Non-Conformance issues at login? YES......NO... Was a PIPE generated? YES......#

BIS = Broken in shipment  
Cooler Receipt Form.doc



## Subcontract Order - TestAmerica Nashville (NWC0375)

Please enter the following code into the Job PO Number field for automated UDZ transfer files: **Sub NSH NWC0375**

SENDING LABORATORY:	RECEIVING LABORATORY:
TestAmerica Nashville 2960 Foster Creighton Road Nashville, TN 37204 Phone: 800-765-0980 Fax: 615-726-3404 Project Manager: Ken A. Hayes Client: S&ME, Inc. (2420)	TestAmerica Knoxville 5815 Middlebrook Pike Knoxville, TN 37921 Phone : (865) 291-3000 Fax: (865) 584-4315 Project Location: South Carolina Receipt Temperature: _____ °C      Ice: Y / N

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
<b>Sample ID: NWC0375-01 (Tract 37 SB-1 (0-2) - Soil)</b>						
<b>Sampled: 02/29/12 16:00</b>						
Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 15:00	\$850.00	0%	
<i>Containers Supplied:</i>						
<hr/>						
<b>Sample ID: NWC0375-02 (Tract 37 SB-1 (22-26) - Soil)</b>						
<b>Sampled: 02/29/12 16:15</b>						
Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 15:15	\$850.00	0%	
<i>Containers Supplied:</i>						
<hr/>						
<b>Sample ID: NWC0375-03 (Tract 37 TW-1 (20-24) - Ground W:</b>						
<b>Sampled: 02/29/12 16:30</b>						
Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 15:30	\$825.00	0%	
<i>Containers Supplied:</i>						
<hr/>						
<b>Sample ID: NWC0375-04 (Tract 37 SB-2 (0-2) - Soil)</b>						
<b>Sampled: 02/29/12 11:00</b>						
Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 10:00	\$850.00	0%	
<i>Containers Supplied:</i>						
<hr/>						
<b>Sample ID: NWC0375-05 (Tract 37 SB-2 (8-12) - Soil)</b>						
<b>Sampled: 02/29/12 11:15</b>						
Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 10:15	\$850.00	0%	
<i>Containers Supplied:</i>						
<hr/>						
<b>Sample ID: NWC0375-06 (Tract 37 TW-2 (10-14) - Ground W:</b>						
<b>Sampled: 02/29/12 11:30</b>						
Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 10:30	\$825.00	0%	
<i>Containers Supplied:</i>						
<hr/>						

Released By	Date/Time	Received By	Date/Time
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Released By	Date/Time	Received By	Date/Time	Page 1 of 2
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## Subcontract Order - TestAmerica Nashville (NWC0375)

Please enter the following code into the Job PO Number field for automated UDZ transfer files: **Sub NSH NWC0375**

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
<b>Sample ID: NWC0375-07 (Tract 37 SS-1 - Soil)</b>						
Sampled: 02/29/12 10:50						
Subcontract - Dioxin by 8290	%	03/14/12	11/24/14 09:50	\$850.00	0%	
<i>Containers Supplied:</i>						
<b>Sample ID: NWC0375-08 (Tract 37 SW-1 - Ground Water)</b>						
Sampled: 02/29/12 11:10						
Subcontract - Dioxin by 8290	%	03/14/12	11/24/14 10:10	\$825.00	0%	
<i>Containers Supplied:</i>						

## Subcontract Order - TestAmerica Nashville (NWC0345)

Please enter the following code into the Job PO Number field for automated UDZ transfer files: **Sub NSH NWC0345**

**SENDING LABORATORY:**

TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Phone: 800-765-0980  
Fax: 615-726-3404  
Project Manager: Ken A. Hayes  
Client: S&ME, Inc. (2420)

**RECEIVING LABORATORY:**

TestAmerica Knoxville  
5815 Middlebrook Pike  
Knoxville, TN 37921  
Phone : (865) 291-3000  
Fax: (865) 584-4315  
Project Location: South Carolina  
Receipt Temperature: \_\_\_\_\_ °C      Ice: Y / N

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
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**Sample ID: NWC0345-01 (Tract 37 SB-3 (0-2) - Soil)**

Sampled: 03/01/12 11:15

Subcontract - Dioxin by 8290 %	03/14/12	11/25/14	10:15	\$850.00	0%	
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Containers Supplied:

**Sample ID: NWC0345-02 (Tract 37 SB-3 (8-12) - Soil)**

Sampled: 03/01/12 11:30

Subcontract - Dioxin by 8290 %	03/14/12	11/25/14	10:30	\$850.00	0%	
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Containers Supplied:

**Sample ID: NWC0345-03 (Tract 37 TW-3 (10-14) - Ground W:**

Sampled: 03/01/12 11:45

Subcontract - Dioxin by 8290 %	03/14/12	11/25/14	10:45	\$825.00	0%	
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Containers Supplied:

Released By

Date/Time

Received By

Date/Time

Released By

Date/Time

Received By

Date/Time

Page 1 of 1









TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: HA020432

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1a Do not match COC <input type="checkbox"/> 1b Incomplete information <input type="checkbox"/> 1c Marking smeared <input type="checkbox"/> 1d Label torn <input type="checkbox"/> 1e No label <input type="checkbox"/> 1f COC not received <input type="checkbox"/> 1g Other:	
2. Is the cooler temperature within limits? (< freezing temp. of water to 6 °C, VOST: 10°C)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 2a Temp Blank = _____ <input type="checkbox"/> 2b Cooler Temp = _____ <input type="checkbox"/> 2c Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> 3a Sample preservative = _____	
4. Were custody seals present/intact on cooler and/or containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 4a Not present <input type="checkbox"/> 4b Not intact <input type="checkbox"/> 4c Other:	
5. Were all of the samples listed on the COC received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5a Samples received-not on COC <input type="checkbox"/> 5b Samples not received--on COC	
6. Were all of the sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 6a Leaking <input type="checkbox"/> 6b Broken	
7. Were VOA samples received without headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 8a Improper container	
9. Did you check for residual chlorine, if necessary?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 10a Holding time expired	
11. For rad samples, was sample activity info. provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Incomplete information	
12. For 1613B water samples is pH<9?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 13a Leaking <input type="checkbox"/> 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 14a Not relinquished	
15. Are tests/parameters listed for each sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 15a Incomplete information	
16. Is the matrix of the samples noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 15a Incomplete information	
17. Is the date/time of sample collection noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 15a Incomplete information	
18. Is the client and project name/# identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 15a Incomplete information	
19. Was the sampler identified on the COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 15a Incomplete information	
Quote #: <u>90150</u>				PM Instructions: _____	

Sample Receiving Associate: Raym Henry

Date: 3/21/12

QA026R22.doc, 012811

COOLER RECEIPT



Cooler Received/Opened On 3/2/2012 @ 0820

1. Tracking # 9099 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 2.8 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? YES (X) NO...NA

If yes, how many and where: (2) Front

5. Were the seals intact, signed, and dated correctly? YES (X) NO...NA

6. Were custody papers inside cooler? YES (X) NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) (initials)

7. Were custody seals on containers: YES NO (X) and Intact YES...NO (NA)

Were these signed and dated correctly? YES...NO (NA)

8. Packing mat'l used? Bubblewrap Plastic bag (X) Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice (X) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES (X) NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES (X) NO...NA

12. Did all container labels and tags agree with custody papers? YES (X) NO...NA

13a. Were VOA vials received? YES (X) NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO (X) NA

14. Was there a Trip Blank in this cooler? YES (X) NO...NA If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (initial) (initials)

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO (NA)

b. Did the bottle labels indicate that the correct preservatives were used YES (X) NO...NA

16. Was residual chlorine present? YES...NO (NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) (initials)

17. Were custody papers properly filled out (ink, signed, etc)? YES (X) NO...NA

18. Did you sign the custody papers in the appropriate place? YES (X) NO...NA

19. Were correct containers used for the analysis requested? YES (X) NO...NA

20. Was sufficient amount of sample sent in each container? YES (X) NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) (initials)

I certify that I attached a label with the unique LIMS number to each container (initial) (initials)

21. Were there Non-Conformance issues at login? YES (NO) Was a PIPE generated? YES...NO (NO) #

## COOLER RECEIPT FORM

Cooler Received/Opened On 3/2/2012 @ 0820

1. Tracking # DA3-2-12-N/A 8872 (last 4 digits, FedEx)

**NWC0375**  
03/16/12 23:59

Courier: FEDEX IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 0.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: Two front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (initial) DA

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) DA

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) DA

I certify that I attached a label with the unique LIMS number to each container (initial) DA

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#

## COOLER RECEIPT FORM

Cooler Received/Opened On 3/2/2012 @ 8:20

**NWC0375**  
03/16/12 23:59

1. Tracking # 8828 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 4.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES......NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 feet

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) gh

7. Were custody seals on containers: YES  NO and Intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used?  Bubblewrap  Plastic bag  Peanuts  Vermiculite  Foam Insert  Paper  Other  None

9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry ice  Other  None

10. Did all containers arrive in good condition (unbroken)? YES...NO... NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO... NA

12. Did all container labels and tags agree with custody papers? YES...NO... NA

13a. Were VOA vials received? YES...NO... NA

b. Was there any observable headspace present in any VOA vial? YES  NO...NA

14. Was there a Trip Blank in this cooler? YES...NO... NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (Initial) J

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO... NA

16. Was residual chlorine present? YES...NO... NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) J

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO... NA

18. Did you sign the custody papers in the appropriate place? YES...NO... NA

19. Were correct containers used for the analysis requested? YES...NO... NA

20. Was sufficient amount of sample sent in each container? YES...NO... NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) J

I certify that I attached a label with the unique LIMS number to each container (initial) J

21. Were there Non-Conformance issues at login? YES... NO Was a PIPE generated? YES... NO.# \_\_\_\_\_



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NWC2604  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
4/4/2012 4:20:53 PM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWC2604-01	TRACT 35 SB-6 (0-2)	Soil	03/20/12 10:10	03/21/12 08:10
NWC2604-02	TRACT 35 SB-6 (6-10)	Soil	03/20/12 10:40	03/21/12 08:10
NWC2604-03	TRACT 35 TW-6 (16-20)	Ground Water	03/20/12 11:00	03/21/12 08:10
NWC2604-04	Trip Blank	Water	03/20/12 00:01	03/21/12 08:10

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# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

### GCMS Semivolatiles

Qualifier	Qualifier Description
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Pesticides

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
RL1	Reporting limit raised due to sample matrix effects.
QSU	Sulfur (EPA 3660) clean-up performed on extract.

### Metals

Qualifier	Qualifier Description
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
P7	Sample filtered in lab.

### WetChem

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
R2	The RPD exceeded the acceptance limit.
HT3	Sample received with insufficient holding time remaining for analysis to be performed within the method's holding time requirements.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Lab Sample ID: NWC2604-01**

**Date Collected: 03/20/12 10:10**

**Matrix: Soil**

**Date Received: 03/21/12 08:10**

**Percent Solids: 43.3**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>1.03</b>	<b>M8</b>	0.180	0.0901	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
<b>Benzene</b>	<b>0.0117</b>		0.00721	0.00396	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Bromochloromethane	<0.00433		0.00721	0.00433	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Bromodichloromethane	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Bromoform	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Bromomethane	<0.00433		0.00721	0.00433	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
<b>2-Butanone</b>	<b>0.195</b>		0.180	0.0901	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
<b>Carbon disulfide</b>	<b>0.0393</b>	<b>M8</b>	0.0180	0.0130	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Carbon Tetrachloride	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Chlorobenzene	<0.00396		0.00721	0.00396	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Chlorodibromomethane	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Chloroethane	<0.00901		0.0180	0.00901	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Chloroform	<0.00469		0.00721	0.00469	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Chloromethane	<0.00396		0.00721	0.00396	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Cyclohexane	<0.0180		0.0360	0.0180	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,2-Dibromo-3-chloropropane	<0.00901		0.0180	0.00901	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,2-Dibromoethane (EDB)	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Methylcyclohexane	<0.0180		0.0360	0.0180	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,2-Dichlorobenzene	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,3-Dichlorobenzene	<0.00433		0.00721	0.00433	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,4-Dichlorobenzene	<0.00396		0.00721	0.00396	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Dichlorodifluoromethane	<0.00505		0.00721	0.00505	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,2-Dichloroethane	<0.00396		0.00721	0.00396	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,1-Dichloroethane	<0.00469		0.00721	0.00469	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,1-Dichloroethene	<0.00433		0.00721	0.00433	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
trans-1,2-Dichloroethene	<0.00469		0.00721	0.00469	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,1,2-Trifluoro-trichloroethane	<0.00396		0.00721	0.00396	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
cis-1,2-Dichloroethene	<0.00396		0.00721	0.00396	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,2-Dichloropropane	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
trans-1,3-Dichloropropene	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
cis-1,3-Dichloropropene	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
<b>Ethylbenzene</b>	<b>0.0209</b>		0.00721	0.00396	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
2-Hexanone	<0.0901		0.180	0.0901	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Isopropylbenzene	<0.00396		0.00721	0.00396	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Methyl Acetate	<0.0180		0.0360	0.0180	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Methyl tert-Butyl Ether	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Methylene Chloride	<0.0180		0.0360	0.0180	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
4-Methyl-2-pentanone	<0.0901		0.180	0.0901	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Styrene	<0.00396		0.00721	0.00396	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,1,2,2-Tetrachloroethane	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Tetrachloroethene	<0.00469		0.00721	0.00469	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
<b>Toluene</b>	<b>0.0156</b>		0.00721	0.00396	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,2,4-Trichlorobenzene	<0.00433		0.00721	0.00433	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,2,3-Trichlorobenzene	<0.00396		0.00721	0.00396	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,1,1-Trichloroethane	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
1,1,2-Trichloroethane	<0.00901		0.0180	0.00901	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Trichloroethene	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Trichlorofluoromethane	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Vinyl chloride	<0.00360		0.00721	0.00360	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00
Xylenes, total	<0.00901		0.0180	0.00901	mg/kg dry	☼	03/20/12 10:10	03/27/12 20:06	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Lab Sample ID: NWC2604-01**

**Date Collected: 03/20/12 10:10**

**Matrix: Soil**

**Date Received: 03/21/12 08:10**

**Percent Solids: 43.3**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	107		70 - 130	03/20/12 10:10	03/27/12 20:06	1.00
Dibromofluoromethane	101		70 - 130	03/20/12 10:10	03/27/12 20:06	1.00
Toluene-d8	99		70 - 130	03/20/12 10:10	03/27/12 20:06	1.00
4-Bromofluorobenzene	109		70 - 130	03/20/12 10:10	03/27/12 20:06	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0765		0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Acenaphthylene	<0.0765		0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Anthracene	<0.0765		0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
<b>Benzo (a) anthracene</b>	<b>0.0945</b>	<b>J</b>	0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
<b>Benzo (a) pyrene</b>	<b>0.0803</b>	<b>J</b>	0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
<b>Benzo (b) fluoranthene</b>	<b>0.110</b>	<b>J</b>	0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Benzo (g,h,i) perylene	<0.0765		0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
<b>Benzo (k) fluoranthene</b>	<b>0.0773</b>	<b>J</b>	0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
4-Bromophenyl phenyl ether	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Butyl benzyl phthalate	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Carbazole	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
4-Chloro-3-methylphenol	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
4-Chloroaniline	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Bis(2-chloroethoxy)methane	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Bis(2-chloroethyl)ether	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Bis(2-chloroisopropyl)ether	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
2-Chloronaphthalene	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
2-Chlorophenol	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
4-Chlorophenyl phenyl ether	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
<b>Chrysene</b>	<b>0.0803</b>	<b>J</b>	0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Dibenz (a,h) anthracene	<0.0765		0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Dibenzofuran	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Di-n-butyl phthalate	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
1,4-Dichlorobenzene	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
1,2-Dichlorobenzene	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
1,3-Dichlorobenzene	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
3,3-Dichlorobenzidine	<0.376		1.50	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
2,4-Dichlorophenol	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Diethyl phthalate	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
2,4-Dimethylphenol	<0.432		0.749	0.432	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Dimethyl phthalate	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
4,6-Dinitro-2-methylphenol	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
2,4-Dinitrophenol	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
2,6-Dinitrotoluene	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
2,4-Dinitrotoluene	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Di-n-octyl phthalate	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Bis(2-ethylhexyl)phthalate	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
<b>Fluoranthene</b>	<b>0.210</b>		0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Fluorene	<0.0765		0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Hexachlorobenzene	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Hexachlorobutadiene	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Hexachlorocyclopentadiene	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Hexachloroethane	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Indeno (1,2,3-cd) pyrene	<0.0765		0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Isophorone	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Lab Sample ID: NWC2604-01**

**Date Collected: 03/20/12 10:10**

**Matrix: Soil**

**Date Received: 03/21/12 08:10**

**Percent Solids: 43.3**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0765		0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
2-Methylphenol	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
3/4-Methylphenol	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Naphthalene	<0.0765		0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
3-Nitroaniline	<0.376		1.87	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
2-Nitroaniline	<0.376		1.87	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
4-Nitroaniline	<0.376	L	1.87	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Nitrobenzene	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
4-Nitrophenol	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
2-Nitrophenol	<0.441		0.749	0.441	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
N-Nitrosodiphenylamine	<0.412		0.749	0.412	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
N-Nitrosodi-n-propylamine	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Pentachlorophenol	<0.376		1.87	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Phenanthrene	<0.0765		0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
Phenol	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
<b>Pyrene</b>	<b>0.227</b>		0.151	0.0765	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
1,2,4-Trichlorobenzene	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
2,4,6-Trichlorophenol	<0.376		0.749	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00
2,4,5-Trichlorophenol	<0.376		1.87	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:00	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	81		18 - 120	03/27/12 12:30	03/30/12 13:00	1.00
2,4,6-Tribromophenol	58		19 - 120	03/27/12 12:30	03/30/12 13:00	1.00
Phenol-d5	73		18 - 120	03/27/12 12:30	03/30/12 13:00	1.00
2-Fluorobiphenyl	66		14 - 120	03/27/12 12:30	03/30/12 13:00	1.00
2-Fluorophenol	75		17 - 120	03/27/12 12:30	03/30/12 13:00	1.00
Nitrobenzene-d5	67		17 - 120	03/27/12 12:30	03/30/12 13:00	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
delta-BHC	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
alpha-BHC	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
beta-BHC	<0.0189	RL1	0.0743	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
gamma-BHC (Lindane)	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
alpha-Chlordane	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
gamma-Chlordane	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
Chlordane	<0.750	RL1	1.50	0.750	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
4,4'-DDD	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
4,4'-DDE	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
4,4'-DDT	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
Dieldrin	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
Endosulfan I	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
Endosulfan II	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
Endosulfan sulfate	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
Endrin	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
Endrin aldehyde	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
Endrin ketone	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
Heptachlor	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
Heptachlor epoxide	<0.0189	RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
Methoxychlor	<0.0189	RL1	0.0743	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Lab Sample ID: NWC2604-01**

Date Collected: 03/20/12 10:10

Matrix: Soil

Date Received: 03/21/12 08:10

Percent Solids: 43.3

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE2 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.950	RL1	1.50	0.950	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:31	10.0
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	100		21 - 145				03/29/12 09:00	04/02/12 21:31	10.0
Decachlorobiphenyl	120		25 - 150				03/29/12 09:00	04/02/12 21:31	10.0

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0483		0.0766	0.0483	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:35	1.00
PCB-1221	<0.0253		0.0766	0.0253	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:35	1.00
PCB-1232	<0.0368		0.0766	0.0368	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:35	1.00
PCB-1242	<0.0598		0.0766	0.0598	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:35	1.00
PCB-1248	<0.0690		0.0766	0.0690	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:35	1.00
PCB-1254	<0.0253		0.0766	0.0253	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:35	1.00
PCB-1260	<0.0644		0.0766	0.0644	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:35	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	80		19 - 147				03/27/12 12:45	03/31/12 09:35	1.00
Decachlorobiphenyl	70		20 - 150				03/27/12 12:45	03/31/12 09:35	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8410	MHA	44.4	22.2	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Antimony	<11.1		22.2	11.1	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Arsenic	9.91		2.22	1.11	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Barium	21.9		4.44	2.22	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Beryllium	6.58		2.22	1.11	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Cadmium	<1.11		2.22	1.11	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Calcium	182000	MHA	222	111	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Chromium	46.9		2.22	1.11	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Cobalt	<3.33		6.67	3.33	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Copper	1700	M8	22.2	11.1	mg/kg dry	☼	03/27/12 12:00	03/28/12 10:43	5.00
Iron	13300	MHA B	22.2	11.1	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Lead	27.7		2.22	1.11	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Magnesium	8800		222	111	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Manganese	155		6.67	3.33	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Nickel	19.1		4.44	2.22	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Potassium	1360		222	111	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Selenium	<2.22		4.44	2.22	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Silver	<1.11		2.22	1.11	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Sodium	7970	M8	444	222	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Thallium	<2.22		4.44	2.22	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Vanadium	33.3		22.2	11.1	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00
Zinc	89.9		22.2	11.1	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:10	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.5		0.23	0.11	mg/kg dry	☼	03/27/12 15:45	03/28/12 11:59	1.0

**Method: SW846 7196A - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<2.31		4.61	2.31	mg/kg dry	☼	03/30/12 12:40	03/31/12 08:15	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Client Sample ID: TRACT 35 SB-6 (0-2)

Lab Sample ID: NWC2604-01

Date Collected: 03/20/12 10:10

Matrix: Soil

Date Received: 03/21/12 08:10

Percent Solids: 43.3

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	43.3		0.500	0.500	%		04/04/12 08:36	04/04/12 11:26	1.00

## Client Sample ID: TRACT 35 SB-6 (6-10)

Lab Sample ID: NWC2604-02

Date Collected: 03/20/12 10:40

Matrix: Soil

Date Received: 03/21/12 08:10

Percent Solids: 43.2

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.144	J	0.148	0.0742	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Benzene	<0.00326		0.00593	0.00326	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Bromochloromethane	<0.00356		0.00593	0.00356	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Bromodichloromethane	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Bromoform	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Bromomethane	<0.00356		0.00593	0.00356	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
2-Butanone	<0.0742		0.148	0.0742	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Carbon disulfide	<0.0107		0.0148	0.0107	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Carbon Tetrachloride	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Chlorobenzene	<0.00326		0.00593	0.00326	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Chlorodibromomethane	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Chloroethane	<0.00742		0.0148	0.00742	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Chloroform	<0.00386		0.00593	0.00386	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Chloromethane	<0.00326		0.00593	0.00326	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Cyclohexane	<0.0148		0.0297	0.0148	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,2-Dibromo-3-chloropropane	<0.00742		0.0148	0.00742	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,2-Dibromoethane (EDB)	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Methylcyclohexane	<0.0148		0.0297	0.0148	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,2-Dichlorobenzene	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,3-Dichlorobenzene	<0.00356		0.00593	0.00356	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,4-Dichlorobenzene	<0.00326		0.00593	0.00326	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Dichlorodifluoromethane	<0.00415		0.00593	0.00415	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,2-Dichloroethane	<0.00326		0.00593	0.00326	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,1-Dichloroethane	<0.00386		0.00593	0.00386	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,1-Dichloroethene	<0.00356		0.00593	0.00356	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
trans-1,2-Dichloroethene	<0.00386		0.00593	0.00386	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,1,2-Trifluorotrchloroethane	<0.00326		0.00593	0.00326	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
cis-1,2-Dichloroethene	<0.00326		0.00593	0.00326	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,2-Dichloropropane	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
trans-1,3-Dichloropropene	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
cis-1,3-Dichloropropene	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Ethylbenzene	<0.00326		0.00593	0.00326	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
2-Hexanone	<0.0742		0.148	0.0742	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Isopropylbenzene	<0.00326		0.00593	0.00326	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Methyl Acetate	<0.0148		0.0297	0.0148	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Methyl tert-Butyl Ether	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Methylene Chloride	<0.0148		0.0297	0.0148	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
4-Methyl-2-pentanone	<0.0742		0.148	0.0742	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Styrene	<0.00326		0.00593	0.00326	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,1,2,2-Tetrachloroethane	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Tetrachloroethene	<0.00386		0.00593	0.00386	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Toluene	<0.00326		0.00593	0.00326	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,2,4-Trichlorobenzene	<0.00356		0.00593	0.00356	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 SB-6 (6-10)**

**Lab Sample ID: NWC2604-02**

**Date Collected: 03/20/12 10:40**

**Matrix: Soil**

**Date Received: 03/21/12 08:10**

**Percent Solids: 43.2**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.00326		0.00593	0.00326	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,1,1-Trichloroethane	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
1,1,2-Trichloroethane	<0.00742		0.0148	0.00742	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Trichloroethene	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Trichlorofluoromethane	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Vinyl chloride	<0.00297		0.00593	0.00297	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00
Xylenes, total	<0.00742		0.0148	0.00742	mg/kg dry	☼	03/20/12 10:40	03/27/12 20:34	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130	03/20/12 10:40	03/27/12 20:34	1.00
Dibromofluoromethane	101		70 - 130	03/20/12 10:40	03/27/12 20:34	1.00
Toluene-d8	100		70 - 130	03/20/12 10:40	03/27/12 20:34	1.00
4-Bromofluorobenzene	102		70 - 130	03/20/12 10:40	03/27/12 20:34	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0766		0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Acenaphthylene	<0.0766		0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Anthracene	<0.0766		0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
<b>Benzo (a) anthracene</b>	<b>0.0796</b>	<b>J</b>	0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
<b>Benzo (a) pyrene</b>	<b>0.0893</b>	<b>J</b>	0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
<b>Benzo (b) fluoranthene</b>	<b>0.122</b>	<b>J</b>	0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Benzo (g,h,i) perylene	<0.0766		0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
<b>Benzo (k) fluoranthene</b>	<b>0.0983</b>	<b>J</b>	0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
4-Bromophenyl phenyl ether	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Butyl benzyl phthalate	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Carbazole	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
4-Chloro-3-methylphenol	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
4-Chloroaniline	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Bis(2-chloroethoxy)methane	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Bis(2-chloroethyl)ether	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Bis(2-chloroisopropyl)ether	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2-Chloronaphthalene	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2-Chlorophenol	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
4-Chlorophenyl phenyl ether	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Chrysene	<0.0766		0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Dibenz (a,h) anthracene	<0.0766		0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Dibenzofuran	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Di-n-butyl phthalate	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
1,4-Dichlorobenzene	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
1,2-Dichlorobenzene	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
1,3-Dichlorobenzene	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
3,3-Dichlorobenzidine	<0.376		1.50	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2,4-Dichlorophenol	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Diethyl phthalate	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2,4-Dimethylphenol	<0.432		0.750	0.432	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Dimethyl phthalate	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
4,6-Dinitro-2-methylphenol	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2,4-Dinitrophenol	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2,6-Dinitrotoluene	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2,4-Dinitrotoluene	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 SB-6 (6-10)**

**Lab Sample ID: NWC2604-02**

**Date Collected: 03/20/12 10:40**

**Matrix: Soil**

**Date Received: 03/21/12 08:10**

**Percent Solids: 43.2**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.384</b>	<b>J</b>	0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
<b>Fluoranthene</b>	<b>0.0931</b>	<b>J</b>	0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Fluorene	<0.0766		0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Hexachlorobenzene	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Hexachlorobutadiene	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Hexachlorocyclopentadiene	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Hexachloroethane	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Indeno (1,2,3-cd) pyrene	<0.0766		0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Isophorone	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2-Methylnaphthalene	<0.0766		0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2-Methylphenol	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
3/4-Methylphenol	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Naphthalene	<0.0766		0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
3-Nitroaniline	<0.376		1.88	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2-Nitroaniline	<0.376		1.88	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
4-Nitroaniline	<0.376	L	1.88	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Nitrobenzene	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
4-Nitrophenol	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2-Nitrophenol	<0.441		0.750	0.441	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
N-Nitrosodiphenylamine	<0.412		0.750	0.412	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
N-Nitrosodi-n-propylamine	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Pentachlorophenol	<0.376		1.88	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Phenanthrene	<0.0766		0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
Phenol	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
<b>Pyrene</b>	<b>0.281</b>		0.151	0.0766	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
1,2,4-Trichlorobenzene	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2,4,6-Trichlorophenol	<0.376		0.750	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00
2,4,5-Trichlorophenol	<0.376		1.88	0.376	mg/kg dry	☼	03/27/12 12:30	03/30/12 13:21	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	82		18 - 120	03/27/12 12:30	03/30/12 13:21	1.00
2,4,6-Tribromophenol	60		19 - 120	03/27/12 12:30	03/30/12 13:21	1.00
Phenol-d5	68		18 - 120	03/27/12 12:30	03/30/12 13:21	1.00
2-Fluorobiphenyl	63		14 - 120	03/27/12 12:30	03/30/12 13:21	1.00
2-Fluorophenol	69		17 - 120	03/27/12 12:30	03/30/12 13:21	1.00
Nitrobenzene-d5	61		17 - 120	03/27/12 12:30	03/30/12 13:21	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
delta-BHC	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
alpha-BHC	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
beta-BHC	<0.0189	QSU RL1	0.0744	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
gamma-BHC (Lindane)	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
alpha-Chlordane	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
gamma-Chlordane	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
Chlordane	<0.750	QSU RL1	1.50	0.750	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
4,4'-DDD	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
4,4'-DDE	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
4,4'-DDT	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 SB-6 (6-10)**

**Lab Sample ID: NWC2604-02**

**Date Collected: 03/20/12 10:40**

**Matrix: Soil**

**Date Received: 03/21/12 08:10**

**Percent Solids: 43.2**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE2 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
Endosulfan I	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
Endosulfan II	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
Endosulfan sulfate	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
Endrin	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
Endrin aldehyde	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
Endrin ketone	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
Heptachlor	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
Heptachlor epoxide	<0.0189	QSU RL1	0.0383	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
Methoxychlor	<0.0189	QSU RL1	0.0744	0.0189	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0
Toxaphene	<0.951	QSU RL1	1.50	0.951	mg/kg dry	☼	03/29/12 09:00	04/02/12 21:46	10.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	120		21 - 145	03/29/12 09:00	04/02/12 21:46	10.0
Decachlorobiphenyl	120		25 - 150	03/29/12 09:00	04/02/12 21:46	10.0

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0480		0.0761	0.0480	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:54	1.00
PCB-1221	<0.0252		0.0761	0.0252	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:54	1.00
PCB-1232	<0.0366		0.0761	0.0366	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:54	1.00
PCB-1242	<0.0595		0.0761	0.0595	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:54	1.00
PCB-1248	<0.0686		0.0761	0.0686	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:54	1.00
PCB-1254	<0.0252		0.0761	0.0252	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:54	1.00
PCB-1260	<0.0640		0.0761	0.0640	mg/kg dry	☼	03/27/12 12:45	03/31/12 09:54	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	78		19 - 147	03/27/12 12:45	03/31/12 09:54	1.00
Decachlorobiphenyl	72		20 - 150	03/27/12 12:45	03/31/12 09:54	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>14100</b>		46.4	23.2	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
Antimony	<11.6		23.2	11.6	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Arsenic</b>	<b>17.2</b>		2.32	1.16	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Barium</b>	<b>24.2</b>		4.64	2.32	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
Beryllium	<1.16		2.32	1.16	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
Cadmium	<1.16		2.32	1.16	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Calcium</b>	<b>16000</b>		232	116	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Chromium</b>	<b>30.1</b>		2.32	1.16	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Cobalt</b>	<b>4.92 J</b>		6.96	3.48	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Copper</b>	<b>26.3</b>		4.64	2.32	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Iron</b>	<b>28500 B</b>		23.2	11.6	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Lead</b>	<b>46.4</b>		2.32	1.16	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Magnesium</b>	<b>5020</b>		232	116	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Manganese</b>	<b>446</b>		6.96	3.48	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Nickel</b>	<b>10.5</b>		4.64	2.32	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Potassium</b>	<b>2280</b>		232	116	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
Selenium	<2.32		4.64	2.32	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
Silver	<1.16		2.32	1.16	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
<b>Sodium</b>	<b>7420</b>		464	232	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
Thallium	<2.32		4.64	2.32	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 SB-6 (6-10)**

**Lab Sample ID: NWC2604-02**

Date Collected: 03/20/12 10:40

Matrix: Soil

Date Received: 03/21/12 08:10

Percent Solids: 43.2

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	55.2		23.2	11.6	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00
Zinc	109		23.2	11.6	mg/kg dry	☼	03/27/12 12:00	03/27/12 16:31	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.80		0.22	0.11	mg/kg dry	☼	03/27/12 15:45	03/28/12 12:06	1.0

**Method: SW846 7196A - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<2.31		4.63	2.31	mg/kg dry	☼	03/30/12 12:40	03/31/12 08:15	1.00

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	43.2		0.500	0.500	%		04/04/12 08:36	04/04/12 11:26	1.00

**Client Sample ID: TRACT 35 TW-6 (16-20)**

**Lab Sample ID: NWC2604-03**

Date Collected: 03/20/12 11:00

Matrix: Ground Water

Date Received: 03/21/12 08:10

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
2-Butanone	<25.0	L1	50.0	25.0	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Carbon disulfide	0.590	J	1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,2-Dibromo-3-chloropropane	<5.00	L1	10.0	5.00	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,1,2-Trifluorotrichloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 TW-6 (16-20)**

**Lab Sample ID: NWC2604-03**

**Date Collected: 03/20/12 11:00**

**Matrix: Ground Water**

**Date Received: 03/21/12 08:10**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
2-Hexanone	<5.00	L1	10.0	5.00	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Methyl Acetate	<5.00	L1	10.0	5.00	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
4-Methyl-2-pentanone	<5.00	L1	10.0	5.00	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
<b>Toluene</b>	<b>0.940</b>	<b>J</b>	1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 19:55	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/21/12 12:15	03/21/12 19:55	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	88		70 - 130	03/21/12 12:15	03/21/12 19:55	1.00
Dibromofluoromethane	96		70 - 130	03/21/12 12:15	03/21/12 19:55	1.00
Toluene-d8	97		70 - 130	03/21/12 12:15	03/21/12 19:55	1.00
4-Bromofluorobenzene	100		70 - 130	03/21/12 12:15	03/21/12 19:55	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Acenaphthylene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Anthracene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Benzo (a) anthracene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Benzo (a) pyrene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Benzo (b) fluoranthene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Benzo (g,h,i) perylene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Benzo (k) fluoranthene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
4-Bromophenyl phenyl ether	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Butyl benzyl phthalate	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Carbazole	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
4-Chloro-3-methylphenol	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
4-Chloroaniline	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Bis(2-chloroethoxy)methane	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Bis(2-chloroethyl)ether	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Bis(2-chloroisopropyl)ether	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2-Chloronaphthalene	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2-Chlorophenol	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
4-Chlorophenyl phenyl ether	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Chrysene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Dibenz (a,h) anthracene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Dibenzofuran	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Di-n-butyl phthalate	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 TW-6 (16-20)**

**Lab Sample ID: NWC2604-03**

**Date Collected: 03/20/12 11:00**

**Matrix: Ground Water**

**Date Received: 03/21/12 08:10**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
1,2-Dichlorobenzene	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
1,3-Dichlorobenzene	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
3,3-Dichlorobenzidine	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2,4-Dichlorophenol	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Diethyl phthalate	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2,4-Dimethylphenol	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Dimethyl phthalate	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
4,6-Dinitro-2-methylphenol	<12.3		23.6	12.3	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2,4-Dinitrophenol	<12.3		23.6	12.3	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2,6-Dinitrotoluene	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2,4-Dinitrotoluene	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Di-n-octyl phthalate	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Bis(2-ethylhexyl)phthalate	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Fluoranthene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Fluorene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Hexachlorobenzene	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Hexachlorobutadiene	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Hexachlorocyclopentadiene	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Hexachloroethane	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Indeno (1,2,3-cd) pyrene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Isophorone	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2-Methylnaphthalene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2-Methylphenol	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Naphthalene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
3/4-Methylphenol	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
3-Nitroaniline	<12.3		23.6	12.3	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2-Nitroaniline	<12.3		23.6	12.3	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
4-Nitroaniline	<12.3		23.6	12.3	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Nitrobenzene	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
4-Nitrophenol	<4.72		23.6	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2-Nitrophenol	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
N-Nitrosodiphenylamine	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
N-Nitrosodi-n-propylamine	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Pentachlorophenol	<12.3		23.6	12.3	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Phenanthrene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Phenol	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
Pyrene	<0.943		1.89	0.943	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
1,2,4-Trichlorobenzene	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2,4,6-Trichlorophenol	<4.72		9.43	4.72	ug/L		03/22/12 06:15	03/22/12 18:28	1.00
2,4,5-Trichlorophenol	<12.3		23.6	12.3	ug/L		03/22/12 06:15	03/22/12 18:28	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	43		13 - 120	03/22/12 06:15	03/22/12 18:28	1.00
2,4,6-Tribromophenol	54		10 - 120	03/22/12 06:15	03/22/12 18:28	1.00
Phenol-d5	27		10 - 120	03/22/12 06:15	03/22/12 18:28	1.00
2-Fluorobiphenyl	60		29 - 120	03/22/12 06:15	03/22/12 18:28	1.00
2-Fluorophenol	41		10 - 120	03/22/12 06:15	03/22/12 18:28	1.00
Nitrobenzene-d5	64		27 - 120	03/22/12 06:15	03/22/12 18:28	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 TW-6 (16-20)**

**Lab Sample ID: NWC2604-03**

**Date Collected: 03/20/12 11:00**

**Matrix: Ground Water**

**Date Received: 03/21/12 08:10**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
delta-BHC	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
alpha-BHC	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
beta-BHC	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
gamma-BHC (Lindane)	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
alpha-Chlordane	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
gamma-Chlordane	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
Chlordane	<1.67		3.33	1.67	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
4,4'-DDD	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
4,4'-DDE	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
4,4'-DDT	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
Dieldrin	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
Endosulfan I	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
Endosulfan II	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
Endosulfan sulfate	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
Endrin	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
Endrin aldehyde	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
Endrin ketone	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
Heptachlor	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
Heptachlor epoxide	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
Methoxychlor	<0.0217		0.0417	0.0217	ug/L		03/21/12 13:30	03/22/12 13:46	1.00
Toxaphene	<1.67	L	3.33	1.67	ug/L		03/21/12 13:30	03/22/12 13:46	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	81		38 - 150	03/21/12 13:30	03/22/12 13:46	1.00
Decachlorobiphenyl	57		10 - 141	03/21/12 13:30	03/22/12 13:46	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.243		0.485	0.243	ug/L		03/22/12 07:55	03/22/12 17:27	1.00
PCB-1221	<0.243		0.485	0.243	ug/L		03/22/12 07:55	03/22/12 17:27	1.00
PCB-1232	<0.243		0.485	0.243	ug/L		03/22/12 07:55	03/22/12 17:27	1.00
PCB-1242	<0.243		0.485	0.243	ug/L		03/22/12 07:55	03/22/12 17:27	1.00
PCB-1248	<0.243		0.485	0.243	ug/L		03/22/12 07:55	03/22/12 17:27	1.00
PCB-1254	<0.243		0.485	0.243	ug/L		03/22/12 07:55	03/22/12 17:27	1.00
PCB-1260	<0.243		0.485	0.243	ug/L		03/22/12 07:55	03/22/12 17:27	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	94		17 - 142	03/22/12 07:55	03/22/12 17:27	1.00
Decachlorobiphenyl	52		10 - 149	03/22/12 07:55	03/22/12 17:27	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Barium	<b>0.0774</b>		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Calcium	<b>240</b>		1.00	0.500	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/30/12 09:46	04/02/12 18:55	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 TW-6 (16-20)**

**Lab Sample ID: NWC2604-03**

Date Collected: 03/20/12 11:00

Matrix: Ground Water

Date Received: 03/21/12 08:10

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
<b>Magnesium</b>	<b>596</b>		10.0	5.00	mg/L		03/30/12 09:46	04/03/12 11:03	10.0
<b>Manganese</b>	<b>0.208</b>		0.0150	0.00750	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
<b>Potassium</b>	<b>178</b>		10.0	5.00	mg/L		03/30/12 09:46	04/03/12 11:03	10.0
Selenium	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
<b>Sodium</b>	<b>5080</b>		10.0	5.00	mg/L		03/30/12 09:46	04/03/12 11:03	10.0
Thallium	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		03/30/12 09:46	04/02/12 18:55	1.00
<b>Zinc</b>	<b>0.0436</b>	<b>J</b>	0.0500	0.0250	mg/L		03/30/12 09:46	04/02/12 18:55	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>2.34</b>		0.100	0.0500	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
<b>Barium</b>	<b>0.0616</b>		0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
<b>Calcium</b>	<b>238</b>		1.00	0.500	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
<b>Chromium</b>	<b>0.0120</b>		0.00500	0.00250	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
<b>Copper</b>	<b>0.00770</b>	<b>J</b>	0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
<b>Iron</b>	<b>6.27</b>		0.0500	0.0250	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
<b>Lead</b>	<b>0.00350</b>	<b>J</b>	0.00500	0.00250	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
<b>Magnesium</b>	<b>669</b>		100	50.0	mg/L		03/29/12 13:16	04/02/12 13:54	100
<b>Manganese</b>	<b>0.249</b>		0.0150	0.00750	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
<b>Nickel</b>	<b>0.00600</b>	<b>J</b>	0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
<b>Potassium</b>	<b>197</b>		100	50.0	mg/L		03/29/12 13:16	04/02/12 13:54	100
Selenium	<0.00500		0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
<b>Sodium</b>	<b>5520</b>		100	50.0	mg/L		03/29/12 13:16	04/02/12 13:54	100
Thallium	<0.00500		0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		03/29/12 13:16	03/30/12 22:28	1.00
<b>Zinc</b>	<b>0.0569</b>		0.0500	0.0250	mg/L		03/29/12 13:16	03/30/12 22:28	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		03/22/12 08:00	03/22/12 14:01	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/22/12 09:40	03/23/12 14:32	1.00

**Method: SW846 7196A - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<0.00500	HT3	0.0100	0.00500	mg/L		03/22/12 14:12	03/22/12 14:12	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC2604-04**

**Date Collected: 03/20/12 00:01**

**Matrix: Water**

**Date Received: 03/21/12 08:10**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
2-Butanone	<25.0	L1	50.0	25.0	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,2-Dibromo-3-chloropropane	<5.00	L1	10.0	5.00	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,1,2-Trifluoro-trichloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
2-Hexanone	<5.00	L1	10.0	5.00	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Methyl Acetate	<5.00	L1	10.0	5.00	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
4-Methyl-2-pentanone	<5.00	L1	10.0	5.00	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/21/12 12:15	03/21/12 18:38	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/21/12 12:15	03/21/12 18:38	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC2604-04**

**Date Collected: 03/20/12 00:01**

**Matrix: Water**

**Date Received: 03/21/12 08:10**

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4	87		70 - 130	03/21/12 12:15	03/21/12 18:38	1.00
Dibromofluoromethane	101		70 - 130	03/21/12 12:15	03/21/12 18:38	1.00
Toluene-d8	98		70 - 130	03/21/12 12:15	03/21/12 18:38	1.00
4-Bromofluorobenzene	96		70 - 130	03/21/12 12:15	03/21/12 18:38	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 12C4148-BLK1**

**Matrix: Water**

**Analysis Batch: V004794**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4148\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/20/12 14:33	03/21/12 14:07	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4148-BLK1**

**Matrix: Water**

**Analysis Batch: V004794**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4148\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<1.50		3.00	1.50	ug/L		03/20/12 14:33	03/21/12 14:07	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	89		70 - 130	03/20/12 14:33	03/21/12 14:07	1.00
Dibromofluoromethane	98		70 - 130	03/20/12 14:33	03/21/12 14:07	1.00
Toluene-d8	96		70 - 130	03/20/12 14:33	03/21/12 14:07	1.00
4-Bromofluorobenzene	104		70 - 130	03/20/12 14:33	03/21/12 14:07	1.00

**Lab Sample ID: 12C4148-BS1**

**Matrix: Water**

**Analysis Batch: V004794**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4148\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	124		ug/L		124	54 - 145
Benzene	20.0	22.4		ug/L		112	80 - 121
Bromochloromethane	20.0	22.4		ug/L		112	78 - 129
Bromodichloromethane	20.0	20.0		ug/L		100	75 - 129
Bromoform	20.0	18.6		ug/L		93	46 - 145
Bromomethane	20.0	15.2		ug/L		76	41 - 150
2-Butanone	100	142	L1	ug/L		142	62 - 133
Carbon disulfide	20.0	19.9		ug/L		99	77 - 126
Carbon Tetrachloride	20.0	17.9		ug/L		90	64 - 147
Chlorobenzene	20.0	22.0		ug/L		110	80 - 120
Chlorodibromomethane	20.0	19.0		ug/L		95	69 - 133
Chloroethane	20.0	17.7		ug/L		89	72 - 120
Chloroform	20.0	20.3		ug/L		102	73 - 129
Chloromethane	20.0	17.1		ug/L		85	12 - 150
Cyclohexane	20.0	23.1		ug/L		115	73 - 122
1,2-Dibromo-3-chloropropane	20.0	31.4	L1	ug/L		157	54 - 125
1,2-Dibromoethane (EDB)	20.0	23.8		ug/L		119	80 - 129
Methylcyclohexane	20.0	23.2		ug/L		116	71 - 129
1,2-Dichlorobenzene	20.0	23.2		ug/L		116	80 - 121
1,3-Dichlorobenzene	20.0	21.9		ug/L		109	80 - 122
1,4-Dichlorobenzene	20.0	22.5		ug/L		112	80 - 120
Dichlorodifluoromethane	20.0	18.7		ug/L		94	37 - 127
1,2-Dichloroethane	20.0	20.1		ug/L		101	77 - 121
1,1-Dichloroethane	20.0	20.7		ug/L		103	78 - 125
1,1-Dichloroethene	20.0	21.0		ug/L		105	79 - 124
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	79 - 126
1,1,2-Trifluoro-trichloroethane	20.0	20.7		ug/L		104	77 - 129
cis-1,2-Dichloroethene	20.0	20.3		ug/L		101	76 - 125
1,2-Dichloropropane	20.0	20.8		ug/L		104	75 - 120
trans-1,3-Dichloropropene	20.0	16.2		ug/L		81	63 - 134
cis-1,3-Dichloropropene	20.0	18.2		ug/L		91	74 - 140
Ethylbenzene	20.0	21.6		ug/L		108	80 - 130
2-Hexanone	100	148	L1	ug/L		148	60 - 142
Isopropylbenzene	20.0	23.3		ug/L		116	80 - 141
Methyl Acetate	20.0	30.9	L1	ug/L		154	64 - 150
Methyl tert-Butyl Ether	20.0	20.8		ug/L		104	72 - 133

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4148-BS1**

**Matrix: Water**

**Analysis Batch: V004794**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4148\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	20.0	22.2		ug/L		111	79 - 123	
4-Methyl-2-pentanone	100	140	L1	ug/L		140	60 - 137	
Styrene	20.0	23.0		ug/L		115	80 - 127	
1,1,2,2-Tetrachloroethane	20.0	24.8		ug/L		124	69 - 131	
Tetrachloroethene	20.0	20.2		ug/L		101	80 - 126	
Toluene	20.0	22.0		ug/L		110	80 - 126	
1,2,4-Trichlorobenzene	20.0	20.7		ug/L		103	63 - 133	
1,2,3-Trichlorobenzene	20.0	23.2		ug/L		116	62 - 133	
1,1,1-Trichloroethane	20.0	19.1		ug/L		96	78 - 135	
1,1,2-Trichloroethane	20.0	23.4		ug/L		117	80 - 124	
Trichloroethene	20.0	20.8		ug/L		104	80 - 123	
Trichlorofluoromethane	20.0	17.5		ug/L		87	65 - 124	
Vinyl chloride	20.0	19.9		ug/L		100	68 - 120	
Xylenes, total	60.0	65.8		ug/L		110	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	86		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	87		70 - 130

**Lab Sample ID: 12C4148-MS1**

**Matrix: Water**

**Analysis Batch: V004794**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C4148\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Acetone	<25.0		250	286		ug/L		114	45 - 141	
Benzene	<0.500		50.0	54.4		ug/L		109	75 - 133	
Bromochloromethane	<0.500		50.0	52.4		ug/L		105	67 - 139	
Bromodichloromethane	<0.500		50.0	50.4		ug/L		101	70 - 140	
Bromoform	<0.500		50.0	45.8		ug/L		92	42 - 147	
Bromomethane	<0.500		50.0	38.7		ug/L		77	16 - 163	
2-Butanone	<25.0		250	300		ug/L		120	50 - 138	
Carbon disulfide	<0.500		50.0	51.9		ug/L		104	48 - 152	
Carbon Tetrachloride	<0.500		50.0	48.6		ug/L		97	62 - 164	
Chlorobenzene	<0.500		50.0	53.8		ug/L		108	80 - 129	
Chlorodibromomethane	<0.500		50.0	46.7		ug/L		93	66 - 140	
Chloroethane	<0.500		50.0	51.0		ug/L		102	58 - 137	
Chloroform	<0.500		50.0	47.8		ug/L		96	66 - 138	
Chloromethane	<0.500		50.0	45.4		ug/L		91	10 - 169	
Cyclohexane	<2.50		50.0	61.0		ug/L		122	58 - 144	
1,2-Dibromo-3-chloropropane	<5.00		50.0	73.0	M7	ug/L		146	52 - 126	
1,2-Dibromoethane (EDB)	<0.500		50.0	56.0		ug/L		112	75 - 137	
Methylcyclohexane	<2.50		50.0	63.0		ug/L		126	59 - 151	
1,2-Dichlorobenzene	<0.500		50.0	53.3		ug/L		107	79 - 128	
1,3-Dichlorobenzene	<0.500		50.0	53.9		ug/L		108	77 - 131	
1,4-Dichlorobenzene	<0.500		50.0	54.4		ug/L		109	78 - 126	
Dichlorodifluoromethane	<0.600		50.0	40.0		ug/L		80	40 - 127	
1,2-Dichloroethane	<0.500		50.0	45.9		ug/L		92	64 - 136	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4148-MS1**

**Matrix: Water**

**Analysis Batch: V004794**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C4148\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
1,1-Dichloroethane	<0.500		50.0	50.8		ug/L		102	71 - 139	
1,1-Dichloroethene	<0.500		50.0	54.4		ug/L		109	70 - 142	
trans-1,2-Dichloroethene	<0.500		50.0	51.2		ug/L		102	66 - 143	
1,1,2-Trifluorotrchloroethane	<0.500		50.0	53.1		ug/L		106	72 - 148	
cis-1,2-Dichloroethene	<0.500		50.0	49.4		ug/L		99	68 - 138	
1,2-Dichloropropane	<0.500		50.0	49.9		ug/L		100	67 - 131	
trans-1,3-Dichloropropene	<0.500		50.0	40.9		ug/L		82	59 - 135	
cis-1,3-Dichloropropene	<0.500		50.0	46.3		ug/L		93	71 - 141	
Ethylbenzene	<0.500		50.0	53.7		ug/L		107	79 - 139	
2-Hexanone	<5.00		250	323		ug/L		129	50 - 150	
Isopropylbenzene	<0.500		50.0	60.0		ug/L		120	80 - 153	
Methyl Acetate	<5.00		50.0	65.6		ug/L		131	30 - 165	
Methyl tert-Butyl Ether	<0.500		50.0	42.1		ug/L		84	66 - 141	
Methylene Chloride	<2.50		50.0	49.3		ug/L		99	64 - 139	
4-Methyl-2-pentanone	<5.00		250	305		ug/L		122	50 - 147	
Styrene	<0.500		50.0	57.2		ug/L		114	61 - 148	
1,1,2,2-Tetrachloroethane	<0.500		50.0	58.4		ug/L		117	56 - 143	
Tetrachloroethene	<0.500		50.0	52.6		ug/L		105	72 - 145	
Toluene	<0.500		50.0	54.3		ug/L		109	75 - 136	
1,2,4-Trichlorobenzene	<0.500		50.0	55.2		ug/L		110	60 - 136	
1,2,3-Trichlorobenzene	<0.500		50.0	59.5		ug/L		119	55 - 138	
1,1,1-Trichloroethane	<0.500		50.0	50.5		ug/L		101	76 - 149	
1,1,2-Trichloroethane	<0.500		50.0	55.4		ug/L		111	74 - 134	
Trichloroethene	<0.500		50.0	53.5		ug/L		107	73 - 144	
Trichlorofluoromethane	<0.500		50.0	44.3		ug/L		89	58 - 139	
Vinyl chloride	<0.500		50.0	55.2		ug/L		110	56 - 129	
Xylenes, total	<1.50		150	159		ug/L		106	74 - 141	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	84		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8	96		70 - 130
4-Bromofluorobenzene	91		70 - 130

**Lab Sample ID: 12C4148-MSD1**

**Matrix: Water**

**Analysis Batch: V004794**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C4148\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Acetone	<25.0		250	292		ug/L		117	45 - 141	2	21	
Benzene	<0.500		50.0	55.5		ug/L		111	75 - 133	2	17	
Bromochloromethane	<0.500		50.0	53.8		ug/L		108	67 - 139	3	17	
Bromodichloromethane	<0.500		50.0	50.7		ug/L		101	70 - 140	0.7	18	
Bromoform	<0.500		50.0	47.1		ug/L		94	42 - 147	3	16	
Bromomethane	<0.500		50.0	43.0		ug/L		86	16 - 163	11	50	
2-Butanone	<25.0		250	306		ug/L		123	50 - 138	2	19	
Carbon disulfide	<0.500		50.0	53.5		ug/L		107	48 - 152	3	21	
Carbon Tetrachloride	<0.500		50.0	48.7		ug/L		97	62 - 164	0.3	19	
Chlorobenzene	<0.500		50.0	55.0		ug/L		110	80 - 129	2	14	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 12C4148-MSD1

Matrix: Water

Analysis Batch: V004794

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 12C4148\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier			Unit	Limits		
Chlorodibromomethane	<0.500		50.0	48.3		ug/L	97	66 - 140	3	15	
Chloroethane	<0.500		50.0	52.3		ug/L	105	58 - 137	3	20	
Chloroform	<0.500		50.0	48.9		ug/L	98	66 - 138	2	18	
Chloromethane	<0.500		50.0	45.6		ug/L	91	10 - 169	0.4	31	
Cyclohexane	<2.50		50.0	61.7		ug/L	123	58 - 144	1	16	
1,2-Dibromo-3-chloropropane	<5.00		50.0	73.5	M7	ug/L	147	52 - 126	0.6	24	
1,2-Dibromoethane (EDB)	<0.500		50.0	58.4		ug/L	117	75 - 137	4	15	
Methylcyclohexane	<2.50		50.0	63.9		ug/L	128	59 - 151	1	19	
1,2-Dichlorobenzene	<0.500		50.0	54.7		ug/L	109	79 - 128	3	15	
1,3-Dichlorobenzene	<0.500		50.0	54.3		ug/L	109	77 - 131	0.6	15	
1,4-Dichlorobenzene	<0.500		50.0	55.1		ug/L	110	78 - 126	1	15	
Dichlorodifluoromethane	<0.600		50.0	40.5		ug/L	81	40 - 127	1	18	
1,2-Dichloroethane	<0.500		50.0	46.2		ug/L	92	64 - 136	0.6	17	
1,1-Dichloroethane	<0.500		50.0	51.8		ug/L	104	71 - 139	2	17	
1,1-Dichloroethene	<0.500		50.0	56.9		ug/L	114	70 - 142	4	17	
trans-1,2-Dichloroethene	<0.500		50.0	49.6		ug/L	99	66 - 143	3	16	
1,1,2-Trifluoroethane	<0.500		50.0	54.3		ug/L	109	72 - 148	2	18	
cis-1,2-Dichloroethene	<0.500		50.0	50.8		ug/L	102	68 - 138	3	17	
1,2-Dichloropropane	<0.500		50.0	51.0		ug/L	102	67 - 131	2	17	
trans-1,3-Dichloropropene	<0.500		50.0	42.8		ug/L	86	59 - 135	4	14	
cis-1,3-Dichloropropene	<0.500		50.0	48.8		ug/L	98	71 - 141	5	15	
Ethylbenzene	<0.500		50.0	55.8		ug/L	112	79 - 139	4	15	
2-Hexanone	<5.00		250	327		ug/L	131	50 - 150	1	15	
Isopropylbenzene	<0.500		50.0	62.0		ug/L	124	80 - 153	3	16	
Methyl Acetate	<5.00		50.0	65.2		ug/L	130	30 - 165	0.6	31	
Methyl tert-Butyl Ether	<0.500		50.0	45.0		ug/L	90	66 - 141	7	16	
Methylene Chloride	<2.50		50.0	51.8		ug/L	104	64 - 139	5	17	
4-Methyl-2-pentanone	<5.00		250	308		ug/L	123	50 - 147	0.9	17	
Styrene	<0.500		50.0	59.3		ug/L	119	61 - 148	4	24	
1,1,2,2-Tetrachloroethane	<0.500		50.0	58.7		ug/L	117	56 - 143	0.4	20	
Tetrachloroethene	<0.500		50.0	54.8		ug/L	110	72 - 145	4	16	
Toluene	<0.500		50.0	56.3		ug/L	113	75 - 136	4	15	
1,2,4-Trichlorobenzene	<0.500		50.0	57.2		ug/L	114	60 - 136	4	19	
1,2,3-Trichlorobenzene	<0.500		50.0	61.8		ug/L	124	55 - 138	4	25	
1,1,1-Trichloroethane	<0.500		50.0	51.2		ug/L	102	76 - 149	1	17	
1,1,2-Trichloroethane	<0.500		50.0	56.9		ug/L	114	74 - 134	3	15	
Trichloroethene	<0.500		50.0	54.6		ug/L	109	73 - 144	2	17	
Trichlorofluoromethane	<0.500		50.0	45.6		ug/L	91	58 - 139	3	18	
Vinyl chloride	<0.500		50.0	58.0		ug/L	116	56 - 129	5	17	
Xylenes, total	<1.50		150	165		ug/L	110	74 - 141	3	15	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	82		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	91		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4310-BLK1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,1,2-Trifluorotrchloroethane	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Methylene Chloride	0.00583 J		0.0100	0.00500	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4310-BLK1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	93		70 - 130				03/27/12 12:29	03/27/12 14:58	1.00
Dibromofluoromethane	95		70 - 130				03/27/12 12:29	03/27/12 14:58	1.00
Toluene-d8	97		70 - 130				03/27/12 12:29	03/27/12 14:58	1.00
4-Bromofluorobenzene	103		70 - 130				03/27/12 12:29	03/27/12 14:58	1.00

**Lab Sample ID: 12C4310-BS1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	269		ug/kg		108	51 - 149
Benzene	50.0	56.2		ug/kg		112	75 - 127
Bromochloromethane	50.0	51.4		ug/kg		103	70 - 132
Bromodichloromethane	50.0	49.8		ug/kg		100	68 - 135
Bromoform	50.0	49.9		ug/kg		100	36 - 150
Bromomethane	50.0	50.5		ug/kg		101	43 - 142
2-Butanone	250	268		ug/kg		107	61 - 132
Carbon disulfide	50.0	55.0		ug/kg		110	74 - 135
Carbon Tetrachloride	50.0	51.2		ug/kg		102	70 - 141
Chlorobenzene	50.0	52.6		ug/kg		105	84 - 125
Chlorodibromomethane	50.0	52.8		ug/kg		106	66 - 134
Chloroethane	50.0	55.3		ug/kg		111	53 - 144
Chloroform	50.0	53.4		ug/kg		107	76 - 130
Chloromethane	50.0	42.5		ug/kg		85	23 - 150
Cyclohexane	50.0	59.1		ug/kg		118	70 - 133
1,2-Dibromo-3-chloropropane	50.0	49.2		ug/kg		98	49 - 142
1,2-Dibromoethane (EDB)	50.0	52.2		ug/kg		104	80 - 135
Methylcyclohexane	50.0	57.4		ug/kg		115	69 - 140
1,2-Dichlorobenzene	50.0	50.2		ug/kg		100	80 - 134
1,3-Dichlorobenzene	50.0	50.3		ug/kg		101	79 - 137
1,4-Dichlorobenzene	50.0	51.3		ug/kg		103	77 - 139
Dichlorodifluoromethane	50.0	36.7		ug/kg		73	12 - 144
1,2-Dichloroethane	50.0	48.2		ug/kg		96	65 - 134
1,1-Dichloroethane	50.0	56.0		ug/kg		112	75 - 124
1,1-Dichloroethene	50.0	52.1		ug/kg		104	75 - 131
trans-1,2-Dichloroethene	50.0	54.7		ug/kg		109	76 - 128
1,1,2-Trifluoro-trichloroethane	50.0	56.0		ug/kg		112	67 - 136
cis-1,2-Dichloroethene	50.0	54.5		ug/kg		109	75 - 125
1,2-Dichloropropane	50.0	52.6		ug/kg		105	69 - 120
trans-1,3-Dichloropropene	50.0	51.0		ug/kg		102	62 - 139
cis-1,3-Dichloropropene	50.0	58.4		ug/kg		117	73 - 148
Ethylbenzene	50.0	53.9		ug/kg		108	80 - 134
2-Hexanone	250	284		ug/kg		114	57 - 148
Isopropylbenzene	50.0	57.3		ug/kg		115	80 - 150
Methyl Acetate	50.0	46.1		ug/kg		92	11 - 170
Methyl tert-Butyl Ether	50.0	53.9		ug/kg		108	70 - 136

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4310-BS1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	50.0	55.8	B	ug/kg		112	68 - 144	
4-Methyl-2-pentanone	250	282		ug/kg		113	59 - 138	
Styrene	50.0	54.8		ug/kg		110	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	57.3		ug/kg		115	66 - 134	
Tetrachloroethene	50.0	50.2		ug/kg		100	78 - 140	
Toluene	50.0	53.8		ug/kg		108	80 - 132	
1,2,4-Trichlorobenzene	50.0	51.6		ug/kg		103	62 - 150	
1,2,3-Trichlorobenzene	50.0	48.9		ug/kg		98	70 - 150	
1,1,1-Trichloroethane	50.0	51.5		ug/kg		103	72 - 140	
1,1,2-Trichloroethane	50.0	52.4		ug/kg		105	78 - 128	
Trichloroethene	50.0	50.7		ug/kg		101	77 - 127	
Trichlorofluoromethane	50.0	44.0		ug/kg		88	50 - 140	
Vinyl chloride	50.0	56.9		ug/kg		114	47 - 136	
Xylenes, total	150	160		ug/kg		107	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	92		70 - 130
Dibromofluoromethane	94		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	104		70 - 130

**Lab Sample ID: 12C4310-BSD1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Acetone	250	279		ug/kg		112	51 - 149	4	50	
Benzene	50.0	59.0		ug/kg		118	75 - 127	5	50	
Bromochloromethane	50.0	55.0		ug/kg		110	70 - 132	7	50	
Bromodichloromethane	50.0	51.2		ug/kg		102	68 - 135	3	50	
Bromoform	50.0	49.1		ug/kg		98	36 - 150	2	50	
Bromomethane	50.0	55.0		ug/kg		110	43 - 142	8	50	
2-Butanone	250	270		ug/kg		108	61 - 132	0.9	50	
Carbon disulfide	50.0	58.2		ug/kg		116	74 - 135	6	50	
Carbon Tetrachloride	50.0	52.5		ug/kg		105	70 - 141	3	50	
Chlorobenzene	50.0	51.2		ug/kg		102	84 - 125	3	50	
Chlorodibromomethane	50.0	52.4		ug/kg		105	66 - 134	0.8	50	
Chloroethane	50.0	58.4		ug/kg		117	53 - 144	5	50	
Chloroform	50.0	56.1		ug/kg		112	76 - 130	5	49	
Chloromethane	50.0	46.8		ug/kg		94	23 - 150	9	50	
Cyclohexane	50.0	60.4		ug/kg		121	70 - 133	2	50	
1,2-Dibromo-3-chloropropane	50.0	48.1		ug/kg		96	49 - 142	2	50	
1,2-Dibromoethane (EDB)	50.0	51.8		ug/kg		104	80 - 135	0.8	50	
Methylcyclohexane	50.0	57.4		ug/kg		115	69 - 140	0.1	50	
1,2-Dichlorobenzene	50.0	48.6		ug/kg		97	80 - 134	3	50	
1,3-Dichlorobenzene	50.0	48.7		ug/kg		97	79 - 137	3	50	
1,4-Dichlorobenzene	50.0	48.1		ug/kg		96	77 - 139	6	50	
Dichlorodifluoromethane	50.0	41.1		ug/kg		82	12 - 144	11	50	
1,2-Dichloroethane	50.0	51.2		ug/kg		102	65 - 134	6	50	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4310-BSD1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	RPD	Limit
1,1-Dichloroethane	50.0	58.8		ug/kg		118	75 - 124	5	50	
1,1-Dichloroethene	50.0	55.2		ug/kg		110	75 - 131	6	50	
trans-1,2-Dichloroethene	50.0	56.8		ug/kg		114	76 - 128	4	50	
1,1,2-Trifluorotrchloroethane	50.0	56.8		ug/kg		114	67 - 136	1	50	
cis-1,2-Dichloroethene	50.0	57.0		ug/kg		114	75 - 125	4	50	
1,2-Dichloropropane	50.0	54.6		ug/kg		109	69 - 120	4	50	
trans-1,3-Dichloropropene	50.0	50.5		ug/kg		101	62 - 139	0.9	50	
cis-1,3-Dichloropropene	50.0	56.8		ug/kg		114	73 - 148	3	50	
Ethylbenzene	50.0	51.6		ug/kg		103	80 - 134	5	50	
2-Hexanone	250	272		ug/kg		109	57 - 148	4	50	
Isopropylbenzene	50.0	54.3		ug/kg		109	80 - 150	5	50	
Methyl Acetate	50.0	43.9		ug/kg		88	11 - 170	5	50	
Methyl tert-Butyl Ether	50.0	56.0		ug/kg		112	70 - 136	4	50	
Methylene Chloride	50.0	58.2	B	ug/kg		116	68 - 144	4	50	
4-Methyl-2-pentanone	250	269		ug/kg		108	59 - 138	4	50	
Styrene	50.0	52.9		ug/kg		106	82 - 137	4	50	
1,1,2,2-Tetrachloroethane	50.0	56.1		ug/kg		112	66 - 134	2	50	
Tetrachloroethene	50.0	47.3		ug/kg		95	78 - 140	6	50	
Toluene	50.0	52.4		ug/kg		105	80 - 132	3	50	
1,2,4-Trichlorobenzene	50.0	47.1		ug/kg		94	62 - 150	9	50	
1,2,3-Trichlorobenzene	50.0	46.3		ug/kg		93	70 - 150	6	50	
1,1,1-Trichloroethane	50.0	53.1		ug/kg		106	72 - 140	3	50	
1,1,2-Trichloroethane	50.0	52.2		ug/kg		104	78 - 128	0.4	50	
Trichloroethene	50.0	50.3		ug/kg		101	77 - 127	0.8	50	
Trichlorofluoromethane	50.0	46.4		ug/kg		93	50 - 140	5	50	
Vinyl chloride	50.0	61.1		ug/kg		122	47 - 136	7	50	
Xylenes, total	150	154		ug/kg		102	80 - 137	4	50	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	96		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	103		70 - 130

**Lab Sample ID: 12C4310-MS1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Acetone	1.03	M8	0.536	0.371	M8	mg/kg dry	*	-123	19 - 175	
Benzene	0.0117		0.107	0.0709		mg/kg dry	*	55	31 - 143	
Bromochloromethane	<0.00433		0.107	0.0624		mg/kg dry	*	58	31 - 141	
Bromodichloromethane	<0.00360		0.107	0.0552		mg/kg dry	*	52	19 - 148	
Bromoform	<0.00360		0.107	0.0437		mg/kg dry	*	41	10 - 165	
Bromomethane	<0.00433		0.107	0.0517		mg/kg dry	*	48	10 - 164	
2-Butanone	0.195		0.536	0.327		mg/kg dry	*	25	18 - 153	
Carbon disulfide	0.0393	M8	0.107	0.0654	M8	mg/kg dry	*	24	32 - 144	
Carbon Tetrachloride	<0.00360		0.107	0.0637		mg/kg dry	*	59	31 - 149	
Chlorobenzene	<0.00396		0.107	0.0557		mg/kg dry	*	52	25 - 152	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 12C4310-MS1

Matrix: Soil

Analysis Batch: V005189

Client Sample ID: TRACT 35 SB-6 (0-2)

Prep Type: Total

Prep Batch: 12C4310\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Chlorodibromomethane	<0.00360		0.107	0.0543		mg/kg dry	*	51	14 - 146	
Chloroethane	<0.00901		0.107	0.0643		mg/kg dry	*	60	10 - 151	
Chloroform	<0.00469		0.107	0.0667		mg/kg dry	*	62	34 - 160	
Chloromethane	<0.00396		0.107	0.0412		mg/kg dry	*	38	10 - 156	
Cyclohexane	<0.0180		0.107	0.0789		mg/kg dry	*	74	32 - 158	
1,2-Dibromo-3-chloropropane	<0.00901		0.107	0.0456		mg/kg dry	*	43	10 - 147	
1,2-Dibromoethane (EDB)	<0.00360		0.107	0.0564		mg/kg dry	*	53	18 - 156	
Methylcyclohexane	<0.0180		0.107	0.0771		mg/kg dry	*	72	29 - 167	
1,2-Dichlorobenzene	<0.00360		0.107	0.0386		mg/kg dry	*	36	10 - 160	
1,3-Dichlorobenzene	<0.00433		0.107	0.0422		mg/kg dry	*	39	10 - 162	
1,4-Dichlorobenzene	<0.00396		0.107	0.0419		mg/kg dry	*	39	11 - 159	
Dichlorodifluoromethane	<0.00505		0.107	0.0269		mg/kg dry	*	25	10 - 143	
1,2-Dichloroethane	<0.00396		0.107	0.0588		mg/kg dry	*	55	28 - 138	
1,1-Dichloroethane	<0.00469		0.107	0.0690		mg/kg dry	*	64	42 - 136	
1,1-Dichloroethene	<0.00433		0.107	0.0642		mg/kg dry	*	60	41 - 143	
trans-1,2-Dichloroethene	<0.00469		0.107	0.0642		mg/kg dry	*	60	39 - 140	
1,1,2-Trifluoro-trichloroethane	<0.00396		0.107	0.0769		mg/kg dry	*	72	42 - 147	
cis-1,2-Dichloroethene	<0.00396		0.107	0.0644		mg/kg dry	*	60	36 - 139	
1,2-Dichloropropane	<0.00360		0.107	0.0617		mg/kg dry	*	58	20 - 146	
trans-1,3-Dichloropropene	<0.00360		0.107	0.0501		mg/kg dry	*	47	10 - 157	
cis-1,3-Dichloropropene	<0.00360		0.107	0.0609		mg/kg dry	*	57	15 - 166	
Ethylbenzene	0.0209		0.107	0.0701		mg/kg dry	*	46	23 - 161	
2-Hexanone	<0.0901		0.536	0.335		mg/kg dry	*	62	10 - 169	
Isopropylbenzene	<0.00396		0.107	0.0590		mg/kg dry	*	55	23 - 181	
Methyl Acetate	<0.0180		0.107	0.0975		mg/kg dry	*	91	10 - 200	
Methyl tert-Butyl Ether	<0.00360		0.107	0.0658		mg/kg dry	*	61	28 - 141	
Methylene Chloride	<0.0180		0.107	0.0977	B	mg/kg dry	*	91	24 - 182	
4-Methyl-2-pentanone	<0.0901		0.536	0.373		mg/kg dry	*	70	10 - 168	
Styrene	<0.00396		0.107	0.0414		mg/kg dry	*	39	10 - 165	
1,1,2,2-Tetrachloroethane	<0.00360		0.107	0.0613		mg/kg dry	*	57	10 - 162	
Tetrachloroethene	<0.00469		0.107	0.0628		mg/kg dry	*	59	33 - 161	
Toluene	0.0156		0.107	0.0730		mg/kg dry	*	54	30 - 155	
1,2,4-Trichlorobenzene	<0.00433		0.107	0.0268		mg/kg dry	*	25	10 - 167	
1,2,3-Trichlorobenzene	<0.00396		0.107	0.0225		mg/kg dry	*	21	10 - 157	
1,1,1-Trichloroethane	<0.00360		0.107	0.0659		mg/kg dry	*	61	35 - 149	
1,1,2-Trichloroethane	<0.00901		0.107	0.0649		mg/kg dry	*	61	19 - 157	
Trichloroethene	<0.00360		0.107	0.0601		mg/kg dry	*	56	27 - 153	
Trichlorofluoromethane	<0.00360		0.107	0.0575		mg/kg dry	*	54	25 - 137	
Vinyl chloride	<0.00360		0.107	0.0593		mg/kg dry	*	55	20 - 141	
Xylenes, total	<0.00901		0.322	0.172		mg/kg dry	*	53	25 - 162	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	101		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8	110		70 - 130
4-Bromofluorobenzene	109		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4310-MSD1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
	Result			Result					Limits	RPD		
Acetone	1.03	M8	0.540	0.419	M8	mg/kg dry	☼	-113	19 - 175	12	50	
Benzene	0.0117		0.108	0.0772		mg/kg dry	☼	61	31 - 143	9	50	
Bromochloromethane	<0.00433		0.108	0.0682		mg/kg dry	☼	63	31 - 141	9	50	
Bromodichloromethane	<0.00360		0.108	0.0558		mg/kg dry	☼	52	19 - 148	1	50	
Bromoform	<0.00360		0.108	0.0483		mg/kg dry	☼	45	10 - 165	10	50	
Bromomethane	<0.00433		0.108	0.0547		mg/kg dry	☼	51	10 - 164	6	50	
2-Butanone	0.195		0.540	0.329		mg/kg dry	☼	25	18 - 153	0.7	50	
Carbon disulfide	0.0393	M8	0.108	0.0704	M8	mg/kg dry	☼	29	32 - 144	7	50	
Carbon Tetrachloride	<0.00360		0.108	0.0682		mg/kg dry	☼	63	31 - 149	7	50	
Chlorobenzene	<0.00396		0.108	0.0669		mg/kg dry	☼	62	25 - 152	18	50	
Chlorodibromomethane	<0.00360		0.108	0.0592		mg/kg dry	☼	55	14 - 146	9	50	
Chloroethane	<0.00901		0.108	0.0702		mg/kg dry	☼	65	10 - 151	9	50	
Chloroform	<0.00469		0.108	0.0724		mg/kg dry	☼	67	34 - 160	8	49	
Chloromethane	<0.00396		0.108	0.0437		mg/kg dry	☼	40	10 - 156	6	50	
Cyclohexane	<0.0180		0.108	0.0839		mg/kg dry	☼	78	32 - 158	6	50	
1,2-Dibromo-3-chloropropane	<0.00901		0.108	0.0546		mg/kg dry	☼	51	10 - 147	18	50	
1,2-Dibromoethane (EDB)	<0.00360		0.108	0.0698		mg/kg dry	☼	65	18 - 156	21	50	
Methylcyclohexane	<0.0180		0.108	0.0808		mg/kg dry	☼	75	29 - 167	5	50	
1,2-Dichlorobenzene	<0.00360		0.108	0.0532		mg/kg dry	☼	49	10 - 160	32	50	
1,3-Dichlorobenzene	<0.00433		0.108	0.0576		mg/kg dry	☼	53	10 - 162	31	50	
1,4-Dichlorobenzene	<0.00396		0.108	0.0561		mg/kg dry	☼	52	11 - 159	29	50	
Dichlorodifluoromethane	<0.00505		0.108	0.0297		mg/kg dry	☼	27	10 - 143	10	50	
1,2-Dichloroethane	<0.00396		0.108	0.0620		mg/kg dry	☼	57	28 - 138	5	50	
1,1-Dichloroethane	<0.00469		0.108	0.0767		mg/kg dry	☼	71	42 - 136	11	50	
1,1-Dichloroethene	<0.00433		0.108	0.0743		mg/kg dry	☼	69	41 - 143	15	50	
trans-1,2-Dichloroethene	<0.00469		0.108	0.0724		mg/kg dry	☼	67	39 - 140	12	50	
1,1,2-Trifluorotrchloroethane	<0.00396		0.108	0.0838		mg/kg dry	☼	78	42 - 147	9	50	
cis-1,2-Dichloroethene	<0.00396		0.108	0.0704		mg/kg dry	☼	65	36 - 139	9	50	
1,2-Dichloropropane	<0.00360		0.108	0.0680		mg/kg dry	☼	63	20 - 146	10	50	
trans-1,3-Dichloropropene	<0.00360		0.108	0.0549		mg/kg dry	☼	51	10 - 157	9	50	
cis-1,3-Dichloropropene	<0.00360		0.108	0.0646		mg/kg dry	☼	60	15 - 166	6	50	
Ethylbenzene	0.0209		0.108	0.0846		mg/kg dry	☼	59	23 - 161	19	50	
2-Hexanone	<0.0901		0.540	0.384		mg/kg dry	☼	71	10 - 169	14	50	
Isopropylbenzene	<0.00396		0.108	0.0720		mg/kg dry	☼	67	23 - 181	20	50	
Methyl Acetate	<0.0180		0.108	0.0845		mg/kg dry	☼	78	10 - 200	14	50	
Methyl tert-Butyl Ether	<0.00360		0.108	0.0713		mg/kg dry	☼	66	28 - 141	8	50	
Methylene Chloride	<0.0180		0.108	0.107	B	mg/kg dry	☼	99	24 - 182	9	50	
4-Methyl-2-pentanone	<0.0901		0.540	0.409		mg/kg dry	☼	76	10 - 168	9	50	
Styrene	<0.00396		0.108	0.0556		mg/kg dry	☼	51	10 - 165	29	50	
1,1,2,2-Tetrachloroethane	<0.00360		0.108	0.0753		mg/kg dry	☼	70	10 - 162	20	50	
Tetrachloroethene	<0.00469		0.108	0.0747		mg/kg dry	☼	69	33 - 161	17	50	
Toluene	0.0156		0.108	0.0859		mg/kg dry	☼	65	30 - 155	16	50	
1,2,4-Trichlorobenzene	<0.00433		0.108	0.0357		mg/kg dry	☼	33	10 - 167	29	50	
1,2,3-Trichlorobenzene	<0.00396		0.108	0.0298		mg/kg dry	☼	28	10 - 157	28	50	
1,1,1-Trichloroethane	<0.00360		0.108	0.0729		mg/kg dry	☼	67	35 - 149	10	50	
1,1,2-Trichloroethane	<0.00901		0.108	0.0756		mg/kg dry	☼	70	19 - 157	15	50	
Trichloroethene	<0.00360		0.108	0.0670		mg/kg dry	☼	62	27 - 153	11	50	
Trichlorofluoromethane	<0.00360		0.108	0.0619		mg/kg dry	☼	57	25 - 137	7	50	
Vinyl chloride	<0.00360		0.108	0.0634		mg/kg dry	☼	59	20 - 141	7	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 12C4310-MSD1

Matrix: Soil

Analysis Batch: V005189

Client Sample ID: TRACT 35 SB-6 (0-2)

Prep Type: Total

Prep Batch: 12C4310\_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	<0.00901		0.324	0.211		mg/kg dry	☆	65	25 - 162	20	50
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1,2-Dichloroethane-d4	97		70 - 130								
Dibromofluoromethane	91		70 - 130								
Toluene-d8	110		70 - 130								
4-Bromofluorobenzene	110		70 - 130								

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

Lab Sample ID: 12C4345-BLK1

Matrix: Soil

Analysis Batch: 12C4345

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 12C4345\_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4345-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C4345**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4345\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		03/27/12 12:30	03/30/12 11:39	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	101		18 - 120	03/27/12 12:30	03/30/12 11:39	1.00
2,4,6-Tribromophenol	66		19 - 120	03/27/12 12:30	03/30/12 11:39	1.00
Phenol-d5	82		18 - 120	03/27/12 12:30	03/30/12 11:39	1.00
2-Fluorobiphenyl	78		14 - 120	03/27/12 12:30	03/30/12 11:39	1.00
2-Fluorophenol	85		17 - 120	03/27/12 12:30	03/30/12 11:39	1.00
Nitrobenzene-d5	79		17 - 120	03/27/12 12:30	03/30/12 11:39	1.00

**Lab Sample ID: 12C4345-BS1**

**Matrix: Soil**

**Analysis Batch: 12C4345**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4345\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.65		mg/kg wet		99	36 - 120
Acenaphthylene	1.67	1.62		mg/kg wet		97	38 - 120
Anthracene	1.67	1.71		mg/kg wet		103	46 - 124
Benzo (a) anthracene	1.67	1.73		mg/kg wet		104	45 - 120
Benzo (a) pyrene	1.67	1.86		mg/kg wet		112	45 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4345-BS1**

**Matrix: Soil**

**Analysis Batch: 12C4345**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4345\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Benzo (b) fluoranthene	1.67	1.98		mg/kg wet		119	42 - 120
Benzo (g,h,i) perylene	1.67	1.79		mg/kg wet		108	38 - 120
Benzo (k) fluoranthene	1.67	1.54		mg/kg wet		93	42 - 120
4-Bromophenyl phenyl ether	1.67	1.77		mg/kg wet		106	40 - 120
Butyl benzyl phthalate	1.67	1.95		mg/kg wet		117	43 - 133
Carbazole	1.67	1.78		mg/kg wet		107	44 - 120
4-Chloro-3-methylphenol	1.67	1.70		mg/kg wet		102	38 - 120
4-Chloroaniline	1.67	1.62		mg/kg wet		97	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.54		mg/kg wet		93	32 - 120
Bis(2-chloroethyl)ether	1.67	1.87		mg/kg wet		112	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.77		mg/kg wet		106	32 - 120
2-Chloronaphthalene	1.67	1.37		mg/kg wet		82	34 - 120
2-Chlorophenol	1.67	1.67		mg/kg wet		100	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.67		mg/kg wet		100	42 - 120
Chrysene	1.67	1.69		mg/kg wet		101	43 - 120
Dibenz (a,h) anthracene	1.67	1.54		mg/kg wet		92	32 - 128
Dibenzofuran	1.67	1.73		mg/kg wet		104	41 - 120
Di-n-butyl phthalate	1.67	1.77		mg/kg wet		106	46 - 127
1,4-Dichlorobenzene	1.67	1.27		mg/kg wet		76	32 - 120
1,2-Dichlorobenzene	1.67	1.29		mg/kg wet		77	33 - 120
1,3-Dichlorobenzene	1.67	1.33		mg/kg wet		80	32 - 120
3,3-Dichlorobenzidine	1.67	1.76		mg/kg wet		106	39 - 120
2,4-Dichlorophenol	1.67	1.58		mg/kg wet		95	32 - 120
Diethyl phthalate	1.67	1.77		mg/kg wet		106	41 - 122
2,4-Dimethylphenol	1.67	1.51		mg/kg wet		90	32 - 120
Dimethyl phthalate	1.67	1.73		mg/kg wet		104	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.86		mg/kg wet		112	27 - 134
2,4-Dinitrophenol	1.67	1.94		mg/kg wet		116	23 - 142
2,6-Dinitrotoluene	1.67	1.54		mg/kg wet		92	43 - 120
2,4-Dinitrotoluene	1.67	1.49		mg/kg wet		90	43 - 120
Di-n-octyl phthalate	1.67	1.88		mg/kg wet		113	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	1.90		mg/kg wet		114	43 - 120
Fluoranthene	1.67	1.78		mg/kg wet		107	46 - 120
Fluorene	1.67	1.73		mg/kg wet		104	42 - 120
Hexachlorobenzene	1.67	1.78		mg/kg wet		107	44 - 120
Hexachlorobutadiene	1.67	1.54		mg/kg wet		92	31 - 120
Hexachlorocyclopentadiene	1.67	1.34		mg/kg wet		80	24 - 120
Hexachloroethane	1.67	1.56		mg/kg wet		94	33 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.74		mg/kg wet		105	41 - 121
Isophorone	1.67	1.32		mg/kg wet		79	33 - 120
2-Methylnaphthalene	1.67	1.51		mg/kg wet		90	28 - 120
2-Methylphenol	1.67	1.44		mg/kg wet		87	36 - 120
3/4-Methylphenol	1.67	1.43		mg/kg wet		86	37 - 120
Naphthalene	1.67	1.50		mg/kg wet		90	32 - 120
3-Nitroaniline	1.67	1.91		mg/kg wet		115	42 - 120
2-Nitroaniline	1.67	1.95		mg/kg wet		117	40 - 120
4-Nitroaniline	1.67	2.02	L	mg/kg wet		121	43 - 120
Nitrobenzene	1.67	1.21		mg/kg wet		72	26 - 120
4-Nitrophenol	1.67	2.19		mg/kg wet		131	32 - 136
2-Nitrophenol	1.67	1.56		mg/kg wet		93	29 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4345-BS1**

**Matrix: Soil**

**Analysis Batch: 12C4345**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4345\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
N-Nitrosodiphenylamine	1.67	2.03		mg/kg wet		122	52 - 140
N-Nitrosodi-n-propylamine	1.67	1.77		mg/kg wet		106	35 - 120
Pentachlorophenol	1.67	1.79		mg/kg wet		107	44 - 134
Phenanthrene	1.67	1.74		mg/kg wet		104	45 - 120
Phenol	1.67	1.76		mg/kg wet		105	30 - 120
Pyrene	1.67	1.77		mg/kg wet		106	43 - 120
1,2,4-Trichlorobenzene	1.67	1.15		mg/kg wet		69	29 - 120
2,4,6-Trichlorophenol	1.67	1.73		mg/kg wet		104	39 - 120
2,4,5-Trichlorophenol	1.67	1.36		mg/kg wet		82	39 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	104		18 - 120
2,4,6-Tribromophenol	76		19 - 120
Phenol-d5	84		18 - 120
2-Fluorobiphenyl	76		14 - 120
2-Fluorophenol	88		17 - 120
Nitrobenzene-d5	71		17 - 120

**Lab Sample ID: 12C4345-MS1**

**Matrix: Soil**

**Analysis Batch: 12C4345**

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4345\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Acenaphthene	<0.0765		3.73	3.12		mg/kg dry	☼	84	19 - 120
Acenaphthylene	<0.0765		3.73	3.03		mg/kg dry	☼	81	25 - 120
Anthracene	<0.0765		3.73	3.27		mg/kg dry	☼	88	28 - 125
Benzo (a) anthracene	0.0945	J	3.73	3.45		mg/kg dry	☼	90	23 - 120
Benzo (a) pyrene	0.0803	J	3.73	3.52		mg/kg dry	☼	92	15 - 128
Benzo (b) fluoranthene	0.110	J	3.73	3.65		mg/kg dry	☼	95	12 - 133
Benzo (g,h,i) perylene	<0.0765		3.73	3.37		mg/kg dry	☼	90	22 - 120
Benzo (k) fluoranthene	0.0773	J	3.73	3.13		mg/kg dry	☼	82	28 - 120
4-Bromophenyl phenyl ether	<0.376		3.73	3.33		mg/kg dry	☼	89	31 - 120
Butyl benzyl phthalate	<0.376		3.73	3.64		mg/kg dry	☼	98	24 - 133
Carbazole	<0.376		3.73	3.38		mg/kg dry	☼	91	25 - 123
4-Chloro-3-methylphenol	<0.376		3.73	3.15		mg/kg dry	☼	85	21 - 120
4-Chloroaniline	<0.376		3.73	2.99		mg/kg dry	☼	80	26 - 120
Bis(2-chloroethoxy)methane	<0.376		3.73	2.82		mg/kg dry	☼	76	24 - 120
Bis(2-chloroethyl)ether	<0.376		3.73	3.32		mg/kg dry	☼	89	22 - 120
Bis(2-chloroisopropyl)ether	<0.376		3.73	3.11		mg/kg dry	☼	83	20 - 120
2-Chloronaphthalene	<0.376		3.73	2.57		mg/kg dry	☼	69	24 - 120
2-Chlorophenol	<0.376		3.73	3.07		mg/kg dry	☼	82	25 - 120
4-Chlorophenyl phenyl ether	<0.376		3.73	3.20		mg/kg dry	☼	86	26 - 120
Chrysene	0.0803	J	3.73	3.33		mg/kg dry	☼	87	20 - 120
Dibenz (a,h) anthracene	<0.0765		3.73	2.85		mg/kg dry	☼	76	12 - 128
Dibenzofuran	<0.376		3.73	3.31		mg/kg dry	☼	89	21 - 120
Di-n-butyl phthalate	<0.376		3.73	3.31		mg/kg dry	☼	89	29 - 126
1,4-Dichlorobenzene	<0.376		3.73	2.21		mg/kg dry	☼	59	10 - 120
1,2-Dichlorobenzene	<0.376		3.73	2.33		mg/kg dry	☼	62	10 - 120
1,3-Dichlorobenzene	<0.376		3.73	2.38		mg/kg dry	☼	64	10 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4345-MS1**

**Matrix: Soil**

**Analysis Batch: 12C4345**

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4345\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
3,3-Dichlorobenzidine	<0.376		3.73	3.21		mg/kg dry	*	86	10 - 120
2,4-Dichlorophenol	<0.376		3.73	2.92		mg/kg dry	*	78	17 - 120
Diethyl phthalate	<0.376		3.73	3.24		mg/kg dry	*	87	29 - 122
2,4-Dimethylphenol	<0.432		3.73	2.97		mg/kg dry	*	80	17 - 120
Dimethyl phthalate	<0.376		3.73	3.19		mg/kg dry	*	86	30 - 120
4,6-Dinitro-2-methylphenol	<0.376		3.73	2.97		mg/kg dry	*	80	10 - 134
2,4-Dinitrophenol	<0.376		3.73	2.13		mg/kg dry	*	57	10 - 150
2,6-Dinitrotoluene	<0.376		3.73	2.77		mg/kg dry	*	74	24 - 120
2,4-Dinitrotoluene	<0.376		3.73	2.73		mg/kg dry	*	73	24 - 121
Di-n-octyl phthalate	<0.376		3.73	3.56		mg/kg dry	*	96	27 - 130
Bis(2-ethylhexyl)phthalate	<0.376		3.73	3.54		mg/kg dry	*	95	26 - 120
Fluoranthene	0.210		3.73	3.61		mg/kg dry	*	91	10 - 143
Fluorene	<0.0765		3.73	3.30		mg/kg dry	*	89	20 - 120
Hexachlorobenzene	<0.376		3.73	3.33		mg/kg dry	*	89	25 - 120
Hexachlorobutadiene	<0.376		3.73	2.87		mg/kg dry	*	77	10 - 120
Hexachlorocyclopentadiene	<0.376		3.73	2.29		mg/kg dry	*	62	10 - 120
Hexachloroethane	<0.376		3.73	2.73		mg/kg dry	*	73	10 - 120
Indeno (1,2,3-cd) pyrene	<0.0765		3.73	3.26		mg/kg dry	*	88	22 - 121
Isophorone	<0.376		3.73	2.41		mg/kg dry	*	65	24 - 120
2-Methylnaphthalene	<0.0765		3.73	2.83		mg/kg dry	*	76	13 - 120
2-Methylphenol	<0.376		3.73	2.64		mg/kg dry	*	71	23 - 120
3/4-Methylphenol	<0.376		3.73	2.63		mg/kg dry	*	71	19 - 120
Naphthalene	<0.0765		3.73	2.88		mg/kg dry	*	77	10 - 120
3-Nitroaniline	<0.376		3.73	3.53		mg/kg dry	*	95	31 - 120
2-Nitroaniline	<0.376		3.73	3.60		mg/kg dry	*	97	31 - 120
4-Nitroaniline	<0.376	L	3.73	3.67		mg/kg dry	*	98	28 - 120
Nitrobenzene	<0.376		3.73	2.15		mg/kg dry	*	58	19 - 120
4-Nitrophenol	<0.376		3.73	4.05		mg/kg dry	*	109	16 - 139
2-Nitrophenol	<0.441		3.73	2.82		mg/kg dry	*	76	23 - 120
N-Nitrosodiphenylamine	<0.412		3.73	3.93		mg/kg dry	*	105	26 - 150
N-Nitrosodi-n-propylamine	<0.376		3.73	3.11		mg/kg dry	*	84	24 - 120
Pentachlorophenol	<0.376		3.73	2.58		mg/kg dry	*	69	19 - 145
Phenanthrene	<0.0765		3.73	3.37		mg/kg dry	*	90	21 - 122
Phenol	<0.376		3.73	3.17		mg/kg dry	*	85	15 - 120
Pyrene	0.227		3.73	3.81		mg/kg dry	*	96	20 - 123
1,2,4-Trichlorobenzene	<0.376		3.73	2.09		mg/kg dry	*	56	14 - 120
2,4,6-Trichlorophenol	<0.376		3.73	3.16		mg/kg dry	*	85	24 - 122
2,4,5-Trichlorophenol	<0.376		3.73	2.57		mg/kg dry	*	69	27 - 120

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Terphenyl-d14	86		18 - 120
2,4,6-Tribromophenol	61		19 - 120
Phenol-d5	67		18 - 120
2-Fluorobiphenyl	63		14 - 120
2-Fluorophenol	70		17 - 120
Nitrobenzene-d5	57		17 - 120



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12C4345-MSD1

Matrix: Soil

Analysis Batch: 12C4345

Client Sample ID: TRACT 35 SB-6 (0-2)

Prep Type: Total

Prep Batch: 12C4345\_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
									Limits	RPD		
Acenaphthene	<0.0765		3.77	3.51		mg/kg dry	☼	93	19 - 120	12	50	
Acenaphthylene	<0.0765		3.77	3.36		mg/kg dry	☼	89	25 - 120	10	50	
Anthracene	<0.0765		3.77	3.57		mg/kg dry	☼	95	28 - 125	9	49	
Benzo (a) anthracene	0.0945	J	3.77	3.67		mg/kg dry	☼	95	23 - 120	6	50	
Benzo (a) pyrene	0.0803	J	3.77	3.86		mg/kg dry	☼	100	15 - 128	9	50	
Benzo (b) fluoranthene	0.110	J	3.77	4.38		mg/kg dry	☼	113	12 - 133	18	50	
Benzo (g,h,i) perylene	<0.0765		3.77	3.79		mg/kg dry	☼	101	22 - 120	12	50	
Benzo (k) fluoranthene	0.0773	J	3.77	3.05		mg/kg dry	☼	79	28 - 120	3	45	
4-Bromophenyl phenyl ether	<0.376		3.77	3.66		mg/kg dry	☼	97	31 - 120	9	37	
Butyl benzyl phthalate	<0.376		3.77	4.04		mg/kg dry	☼	107	24 - 133	10	50	
Carbazole	<0.376		3.77	3.74		mg/kg dry	☼	99	25 - 123	10	46	
4-Chloro-3-methylphenol	<0.376		3.77	3.50		mg/kg dry	☼	93	21 - 120	10	49	
4-Chloroaniline	<0.376		3.77	3.31		mg/kg dry	☼	88	26 - 120	10	50	
Bis(2-chloroethoxy)methane	<0.376		3.77	3.18		mg/kg dry	☼	84	24 - 120	12	50	
Bis(2-chloroethyl)ether	<0.376		3.77	3.74		mg/kg dry	☼	99	22 - 120	12	50	
Bis(2-chloroisopropyl)ether	<0.376		3.77	3.47		mg/kg dry	☼	92	20 - 120	11	50	
2-Chloronaphthalene	<0.376		3.77	2.87		mg/kg dry	☼	76	24 - 120	11	50	
2-Chlorophenol	<0.376		3.77	3.35		mg/kg dry	☼	89	25 - 120	9	50	
4-Chlorophenyl phenyl ether	<0.376		3.77	3.52		mg/kg dry	☼	93	26 - 120	10	50	
Chrysene	0.0803	J	3.77	3.57		mg/kg dry	☼	93	20 - 120	7	49	
Dibenz (a,h) anthracene	<0.0765		3.77	3.18		mg/kg dry	☼	84	12 - 128	11	50	
Dibenzofuran	<0.376		3.77	3.69		mg/kg dry	☼	98	21 - 120	11	50	
Di-n-butyl phthalate	<0.376		3.77	3.64		mg/kg dry	☼	97	29 - 126	10	49	
1,4-Dichlorobenzene	<0.376		3.77	2.46		mg/kg dry	☼	65	10 - 120	10	50	
1,2-Dichlorobenzene	<0.376		3.77	2.54		mg/kg dry	☼	67	10 - 120	9	50	
1,3-Dichlorobenzene	<0.376		3.77	2.62		mg/kg dry	☼	70	10 - 120	10	50	
3,3-Dichlorobenzidine	<0.376		3.77	3.72		mg/kg dry	☼	99	10 - 120	15	50	
2,4-Dichlorophenol	<0.376		3.77	3.21		mg/kg dry	☼	85	17 - 120	9	50	
Diethyl phthalate	<0.376		3.77	3.69		mg/kg dry	☼	98	29 - 122	13	45	
2,4-Dimethylphenol	<0.432		3.77	3.20		mg/kg dry	☼	85	17 - 120	7	50	
Dimethyl phthalate	<0.376		3.77	3.54		mg/kg dry	☼	94	30 - 120	10	46	
4,6-Dinitro-2-methylphenol	<0.376		3.77	3.57		mg/kg dry	☼	95	10 - 134	18	50	
2,4-Dinitrophenol	<0.376		3.77	2.62		mg/kg dry	☼	70	10 - 150	21	50	
2,6-Dinitrotoluene	<0.376		3.77	3.21		mg/kg dry	☼	85	24 - 120	15	50	
2,4-Dinitrotoluene	<0.376		3.77	3.06		mg/kg dry	☼	81	24 - 121	12	50	
Di-n-octyl phthalate	<0.376		3.77	3.99		mg/kg dry	☼	106	27 - 130	11	50	
Bis(2-ethylhexyl)phthalate	<0.376		3.77	3.87		mg/kg dry	☼	103	26 - 120	9	50	
Fluoranthene	0.210		3.77	3.75		mg/kg dry	☼	94	10 - 143	4	50	
Fluorene	<0.0765		3.77	3.62		mg/kg dry	☼	96	20 - 120	9	50	
Hexachlorobenzene	<0.376		3.77	3.70		mg/kg dry	☼	98	25 - 120	10	50	
Hexachlorobutadiene	<0.376		3.77	3.09		mg/kg dry	☼	82	10 - 120	7	50	
Hexachlorocyclopentadiene	<0.376		3.77	2.51		mg/kg dry	☼	66	10 - 120	9	50	
Hexachloroethane	<0.376		3.77	3.05		mg/kg dry	☼	81	10 - 120	11	50	
Indeno (1,2,3-cd) pyrene	<0.0765		3.77	3.70		mg/kg dry	☼	98	22 - 121	13	50	
Isophorone	<0.376		3.77	2.72		mg/kg dry	☼	72	24 - 120	12	50	
2-Methylnaphthalene	<0.0765		3.77	3.05		mg/kg dry	☼	81	13 - 120	8	50	
2-Methylphenol	<0.376		3.77	2.89		mg/kg dry	☼	77	23 - 120	9	50	
3/4-Methylphenol	<0.376		3.77	2.90		mg/kg dry	☼	77	19 - 120	10	50	
Naphthalene	<0.0765		3.77	3.08		mg/kg dry	☼	82	10 - 120	7	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4345-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C4345**

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4345\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
3-Nitroaniline	<0.376		3.77	3.94		mg/kg dry	*	104	31 - 120	11		49
2-Nitroaniline	<0.376		3.77	4.10		mg/kg dry	*	109	31 - 120	13		50
4-Nitroaniline	<0.376	L	3.77	4.12		mg/kg dry	*	109	28 - 120	12		49
Nitrobenzene	<0.376		3.77	2.41		mg/kg dry	*	64	19 - 120	11		50
4-Nitrophenol	<0.376		3.77	4.57		mg/kg dry	*	121	16 - 139	12		45
2-Nitrophenol	<0.441		3.77	3.13		mg/kg dry	*	83	23 - 120	11		50
N-Nitrosodiphenylamine	<0.412		3.77	4.32		mg/kg dry	*	115	26 - 150	10		50
N-Nitrosodi-n-propylamine	<0.376		3.77	3.49		mg/kg dry	*	92	24 - 120	11		50
Pentachlorophenol	<0.376		3.77	3.20		mg/kg dry	*	85	19 - 145	21		50
Phenanthrene	<0.0765		3.77	3.63		mg/kg dry	*	96	21 - 122	8		50
Phenol	<0.376		3.77	3.46		mg/kg dry	*	92	15 - 120	9		50
Pyrene	0.227		3.77	3.85		mg/kg dry	*	96	20 - 123	1		50
1,2,4-Trichlorobenzene	<0.376		3.77	2.31		mg/kg dry	*	61	14 - 120	10		50
2,4,6-Trichlorophenol	<0.376		3.77	3.55		mg/kg dry	*	94	24 - 122	12		50
2,4,5-Trichlorophenol	<0.376		3.77	2.90		mg/kg dry	*	77	27 - 120	12		50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits
Terphenyl-d14	90		18 - 120
2,4,6-Tribromophenol	64		19 - 120
Phenol-d5	73		18 - 120
2-Fluorobiphenyl	68		14 - 120
2-Fluorophenol	77		17 - 120
Nitrobenzene-d5	61		17 - 120

**Lab Sample ID: 12C4412-BLK1**

**Matrix: Water**

**Analysis Batch: 12C4412**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4412\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Anthracene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Carbazole	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Chrysene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4412-BLK1**

**Matrix: Water**

**Analysis Batch: 12C4412**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4412\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Fluorene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Isophorone	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Phenol	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
Pyrene	<1.00		2.00	1.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		03/22/12 06:15	03/22/12 17:28	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		03/22/12 06:15	03/22/12 17:28	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	84		13 - 120	03/22/12 06:15	03/22/12 17:28	1.00
2,4,6-Tribromophenol	55		10 - 120	03/22/12 06:15	03/22/12 17:28	1.00
Phenol-d5	25		10 - 120	03/22/12 06:15	03/22/12 17:28	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4412-BLK1**

**Matrix: Water**

**Analysis Batch: 12C4412**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4412\_P**

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl	61		29 - 120	03/22/12 06:15	03/22/12 17:28	1.00
2-Fluorophenol	41		10 - 120	03/22/12 06:15	03/22/12 17:28	1.00
Nitrobenzene-d5	69		27 - 120	03/22/12 06:15	03/22/12 17:28	1.00

**Lab Sample ID: 12C4412-BS1**

**Matrix: Water**

**Analysis Batch: 12C4412**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4412\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	50.0	44.7	MNR1	ug/L		89	46 - 120
Acenaphthylene	50.0	41.4	MNR1	ug/L		83	48 - 120
Anthracene	50.0	46.8	MNR1	ug/L		94	58 - 130
Benzo (a) anthracene	50.0	44.8	MNR1	ug/L		90	57 - 120
Benzo (a) pyrene	50.0	47.9	MNR1	ug/L		96	57 - 124
Benzo (b) fluoranthene	50.0	52.1	MNR1	ug/L		104	51 - 125
Benzo (g,h,i) perylene	50.0	43.5	MNR1	ug/L		87	51 - 123
Benzo (k) fluoranthene	50.0	38.6	MNR1	ug/L		77	51 - 120
4-Bromophenyl phenyl ether	50.0	41.6	MNR1	ug/L		83	47 - 127
Butyl benzyl phthalate	50.0	55.9	MNR1	ug/L		112	51 - 146
Carbazole	50.0	48.2	MNR1	ug/L		96	54 - 123
4-Chloro-3-methylphenol	50.0	44.2	MNR1	ug/L		88	44 - 120
4-Chloroaniline	50.0	42.2	MNR1	ug/L		84	44 - 120
Bis(2-chloroethoxy)methane	50.0	42.3	MNR1	ug/L		85	44 - 120
Bis(2-chloroethyl)ether	50.0	48.2	MNR1	ug/L		96	47 - 120
Bis(2-chloroisopropyl)ether	50.0	47.2	MNR1	ug/L		94	44 - 120
2-Chloronaphthalene	50.0	32.0	MNR1	ug/L		64	39 - 120
2-Chlorophenol	50.0	46.9	MNR1	ug/L		94	40 - 120
4-Chlorophenyl phenyl ether	50.0	40.5	MNR1	ug/L		81	50 - 120
Chrysene	50.0	45.7	MNR1	ug/L		91	55 - 120
Dibenz (a,h) anthracene	50.0	43.8	MNR1	ug/L		88	50 - 125
Dibenzofuran	50.0	44.0	MNR1	ug/L		88	50 - 120
Di-n-butyl phthalate	50.0	51.2	MNR1	ug/L		102	54 - 140
1,4-Dichlorobenzene	50.0	29.0	MNR1	ug/L		58	31 - 120
1,2-Dichlorobenzene	50.0	30.1	MNR1	ug/L		60	32 - 120
1,3-Dichlorobenzene	50.0	29.4	MNR1	ug/L		59	32 - 120
3,3-Dichlorobenzidine	50.0	45.3	MNR1	ug/L		91	46 - 129
2,4-Dichlorophenol	50.0	39.8	MNR1	ug/L		80	38 - 120
Diethyl phthalate	50.0	47.5	MNR1	ug/L		95	54 - 128
2,4-Dimethylphenol	50.0	44.7	MNR1	ug/L		89	21 - 126
Dimethyl phthalate	50.0	44.3	MNR1	ug/L		89	53 - 127
4,6-Dinitro-2-methylphenol	50.0	52.9	MNR1	ug/L		106	19 - 150
2,4-Dinitrophenol	50.0	54.2	MNR1	ug/L		108	20 - 150
2,6-Dinitrotoluene	50.0	36.5	MNR1	ug/L		73	54 - 128
2,4-Dinitrotoluene	50.0	40.1	MNR1	ug/L		80	46 - 132
Di-n-octyl phthalate	50.0	58.2	MNR1	ug/L		116	50 - 142
Bis(2-ethylhexyl)phthalate	50.0	62.6	MNR1	ug/L		125	47 - 138
Fluoranthene	50.0	46.2	MNR1	ug/L		92	56 - 120
Fluorene	50.0	45.6	MNR1	ug/L		91	52 - 120
Hexachlorobenzene	50.0	42.5	MNR1	ug/L		85	48 - 131

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4412-BS1**

**Matrix: Water**

**Analysis Batch: 12C4412**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4412\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	50.0	27.9	MNR1	ug/L		56	28 - 120
Hexachlorocyclopentadiene	50.0	26.2	MNR1	ug/L		52	17 - 120
Hexachloroethane	50.0	38.3	MNR1	ug/L		77	30 - 120
Indeno (1,2,3-cd) pyrene	50.0	44.2	MNR1	ug/L		88	54 - 125
Isophorone	50.0	35.4	MNR1	ug/L		71	47 - 120
2-Methylnaphthalene	50.0	34.9	MNR1	ug/L		70	31 - 120
2-Methylphenol	50.0	36.4	MNR1	ug/L		73	38 - 120
Naphthalene	50.0	37.4	MNR1	ug/L		75	37 - 120
3/4-Methylphenol	50.0	33.9	MNR1	ug/L		68	33 - 120
3-Nitroaniline	50.0	51.7	MNR1	ug/L		103	54 - 121
2-Nitroaniline	50.0	50.7	MNR1	ug/L		101	46 - 131
4-Nitroaniline	50.0	51.8	MNR1	ug/L		104	55 - 123
Nitrobenzene	50.0	31.5	MNR1	ug/L		63	36 - 120
4-Nitrophenol	50.0	24.4	MNR1 J	ug/L		49	10 - 120
2-Nitrophenol	50.0	40.1	MNR1	ug/L		80	32 - 120
N-Nitrosodiphenylamine	50.0	55.5	MNR1	ug/L		111	58 - 149
N-Nitrosodi-n-propylamine	50.0	51.0	MNR1	ug/L		102	51 - 120
Pentachlorophenol	50.0	55.0	MNR1	ug/L		110	21 - 150
Phenanthrene	50.0	45.7	MNR1	ug/L		91	56 - 120
Phenol	50.0	25.7	MNR1	ug/L		51	14 - 120
Pyrene	50.0	44.2	MNR1	ug/L		88	53 - 129
1,2,4-Trichlorobenzene	50.0	23.1	MNR1	ug/L		46	30 - 120
2,4,6-Trichlorophenol	50.0	46.3	MNR1	ug/L		93	39 - 135
2,4,5-Trichlorophenol	50.0	36.7	MNR1	ug/L		73	40 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	87		13 - 120
2,4,6-Tribromophenol	59		10 - 120
Phenol-d5	35		10 - 120
2-Fluorobiphenyl	65		29 - 120
2-Fluorophenol	52		10 - 120
Nitrobenzene-d5	66		27 - 120

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

**Lab Sample ID: 12C4347-BLK1**

**Matrix: Water**

**Analysis Batch: V004754**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4347\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
delta-BHC	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
alpha-BHC	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
beta-BHC	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
gamma-BHC (Lindane)	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
alpha-Chlordane	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
gamma-Chlordane	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
Chlordane	<1.00		2.00	1.00	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
4,4'-DDD	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12C4347-BLK1**

**Matrix: Water**

**Analysis Batch: V004754**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4347\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
4,4'-DDT	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
Dieldrin	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
Endosulfan I	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
Endosulfan II	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
Endosulfan sulfate	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
Endrin	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
Endrin aldehyde	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
Endrin ketone	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
Heptachlor	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
Heptachlor epoxide	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
Methoxychlor	<0.0130		0.0250	0.0130	ug/L		03/21/12 13:30	03/22/12 13:03	1.00
Toxaphene	<1.00		2.00	1.00	ug/L		03/21/12 13:30	03/22/12 13:03	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	105		38 - 150	03/21/12 13:30	03/22/12 13:03	1.00
Decachlorobiphenyl	96		10 - 141	03/21/12 13:30	03/22/12 13:03	1.00

**Lab Sample ID: 12C4347-BS1**

**Matrix: Water**

**Analysis Batch: V004754**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4347\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.430	MNR1	ug/L		86	38 - 128
delta-BHC	0.500	0.465	MNR1	ug/L		93	35 - 145
alpha-BHC	0.500	0.555	MNR1	ug/L		111	47 - 136
beta-BHC	0.500	0.540	MNR1	ug/L		108	50 - 140
gamma-BHC (Lindane)	0.500	0.565	MNR1	ug/L		113	50 - 138
alpha-Chlordane	0.500	0.520	MNR1	ug/L		104	49 - 137
gamma-Chlordane	0.500	0.445	MNR1	ug/L		89	46 - 143
4,4'-DDD	0.500	0.540	MNR1	ug/L		108	51 - 150
4,4'-DDE	0.500	0.520	MNR1	ug/L		104	49 - 138
4,4'-DDT	0.500	0.560	MNR1	ug/L		112	33 - 150
Dieldrin	0.500	0.550	MNR1	ug/L		110	49 - 136
Endosulfan I	0.500	0.550	MNR1	ug/L		110	10 - 150
Endosulfan II	0.500	0.550	MNR1	ug/L		110	11 - 150
Endosulfan sulfate	0.500	0.505	MNR1	ug/L		101	43 - 150
Endrin	0.500	0.540	MNR1	ug/L		108	54 - 150
Endrin aldehyde	0.500	0.515	MNR1	ug/L		103	50 - 150
Endrin ketone	0.500	0.605	MNR1	ug/L		121	50 - 147
Heptachlor	0.500	0.460	MNR1	ug/L		92	43 - 146
Heptachlor epoxide	0.500	0.555	MNR1	ug/L		111	50 - 136
Methoxychlor	0.500	0.520	MNR1	ug/L		104	35 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	111		38 - 150
Decachlorobiphenyl	100		10 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12C4347-BS2**  
**Matrix: Water**  
**Analysis Batch: V004754**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C4347\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chlordane	5.00	6.94	MNR1	ug/L		139	49 - 150
Toxaphene	10.0	21.4	L MNR1	ug/L		214	34 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	117		38 - 150
Decachlorobiphenyl	99		10 - 141

**Lab Sample ID: 12C4684-BLK1**  
**Matrix: Soil**  
**Analysis Batch: V005175**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C4684\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
delta-BHC	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
alpha-BHC	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
beta-BHC	<0.000840		0.00330	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
gamma-BHC (Lindane)	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
alpha-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
gamma-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Chlordane	<0.0333		0.0667	0.0333	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
4,4'-DDD	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
4,4'-DDE	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
4,4'-DDT	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Dieldrin	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Endosulfan I	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Endosulfan II	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Endosulfan sulfate	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Endrin	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Endrin aldehyde	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Endrin ketone	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Heptachlor	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Heptachlor epoxide	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Methoxychlor	<0.000840		0.00330	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Toxaphene	<0.0422		0.0667	0.0422	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	82		21 - 145	03/29/12 09:00	03/29/12 20:00	1.00
Decachlorobiphenyl	94		25 - 150	03/29/12 09:00	03/29/12 20:00	1.00

**Lab Sample ID: 12C4684-BS1**  
**Matrix: Soil**  
**Analysis Batch: V005175**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C4684\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aldrin	0.0167	0.0143		mg/kg wet		86	47 - 132
delta-BHC	0.0167	0.0123		mg/kg wet		74	10 - 149
alpha-BHC	0.0167	0.0140		mg/kg wet		84	45 - 128
beta-BHC	0.0167	0.0140		mg/kg wet		84	48 - 135
gamma-BHC (Lindane)	0.0167	0.0143		mg/kg wet		86	48 - 131

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12C4684-BS1**

**Matrix: Soil**

**Analysis Batch: V005175**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4684\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
alpha-Chlordane	0.0167	0.0153		mg/kg wet		92	47 - 134	
gamma-Chlordane	0.0167	0.0153		mg/kg wet		92	48 - 145	
4,4'-DDD	0.0167	0.0150		mg/kg wet		90	46 - 149	
4,4'-DDE	0.0167	0.0157		mg/kg wet		94	48 - 139	
4,4'-DDT	0.0167	0.0147		mg/kg wet		88	24 - 150	
Dieldrin	0.0167	0.0153		mg/kg wet		92	42 - 137	
Endosulfan I	0.0167	0.0157		mg/kg wet		94	10 - 150	
Endosulfan II	0.0167	0.0147		mg/kg wet		88	12 - 150	
Endosulfan sulfate	0.0167	0.0150		mg/kg wet		90	36 - 148	
Endrin	0.0167	0.0150		mg/kg wet		90	46 - 145	
Endrin aldehyde	0.0167	0.0157		mg/kg wet		94	48 - 150	
Endrin ketone	0.0167	0.0173		mg/kg wet		104	43 - 150	
Heptachlor	0.0167	0.0147		mg/kg wet		88	45 - 140	
Heptachlor epoxide	0.0167	0.0150		mg/kg wet		90	47 - 133	
Methoxychlor	0.0167	0.0157		mg/kg wet		94	23 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	84		21 - 145
Decachlorobiphenyl	92		25 - 150

**Lab Sample ID: 12C4684-BS2**

**Matrix: Soil**

**Analysis Batch: V005175**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4684\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Chlordane	0.167	0.153		mg/kg wet		92	50 - 150	
Toxaphene	0.333	0.336		mg/kg wet		101	10 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	92		21 - 145
Decachlorobiphenyl	99		25 - 150

**Lab Sample ID: 12C4684-MS1**

**Matrix: Soil**

**Analysis Batch: V005175**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C4684\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Aldrin	<0.00228		0.0450	0.0351		mg/kg dry	☼	78	11 - 140	
delta-BHC	<0.00228		0.0450	0.0297		mg/kg dry	☼	66	10 - 149	
alpha-BHC	<0.00228		0.0450	0.0351		mg/kg dry	☼	78	23 - 138	
beta-BHC	<0.00228		0.0450	0.0342		mg/kg dry	☼	76	12 - 179	
gamma-BHC (Lindane)	<0.00228		0.0450	0.0351		mg/kg dry	☼	78	24 - 145	
alpha-Chlordane	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	10 - 140	
gamma-Chlordane	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	10 - 150	
4,4'-DDD	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	10 - 154	
4,4'-DDE	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	14 - 139	
4,4'-DDT	<0.00228		0.0450	0.0351		mg/kg dry	☼	78	10 - 152	
Dieldrin	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	10 - 148	
Endosulfan I	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	10 - 158	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12C4684-MS1**

**Matrix: Soil**

**Analysis Batch: V005175**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C4684\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Endosulfan II	<0.00228		0.0450	0.0351		mg/kg dry	☼	78	10 - 152	
Endosulfan sulfate	<0.00228		0.0450	0.0342		mg/kg dry	☼	76	10 - 148	
Endrin	<0.00228		0.0450	0.0369		mg/kg dry	☼	82	20 - 145	
Endrin aldehyde	<0.00228		0.0450	0.0351		mg/kg dry	☼	78	13 - 167	
Endrin ketone	<0.00228		0.0450	0.0387		mg/kg dry	☼	86	13 - 150	
Heptachlor	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	10 - 161	
Heptachlor epoxide	<0.00228		0.0450	0.0342		mg/kg dry	☼	76	15 - 139	
Methoxychlor	<0.00228		0.0450	0.0369		mg/kg dry	☼	82	10 - 175	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	48		21 - 145
Decachlorobiphenyl	50		25 - 150

**Lab Sample ID: 12C4684-MSD1**

**Matrix: Soil**

**Analysis Batch: V005175**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C4684\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aldrin	<0.00228		0.0453	0.0362		mg/kg dry	☼	80	11 - 140	3	50	
delta-BHC	<0.00228		0.0453	0.0290		mg/kg dry	☼	64	10 - 149	2	50	
alpha-BHC	<0.00228		0.0453	0.0335		mg/kg dry	☼	74	23 - 138	5	50	
beta-BHC	<0.00228		0.0453	0.0353		mg/kg dry	☼	78	12 - 179	3	50	
gamma-BHC (Lindane)	<0.00228		0.0453	0.0344		mg/kg dry	☼	76	24 - 145	2	50	
alpha-Chlordane	<0.00228		0.0453	0.0317		mg/kg dry	☼	70	10 - 140	13	50	
gamma-Chlordane	<0.00228		0.0453	0.0317		mg/kg dry	☼	70	10 - 150	13	50	
4,4'-DDD	<0.00228		0.0453	0.0335		mg/kg dry	☼	74	10 - 154	7	50	
4,4'-DDE	<0.00228		0.0453	0.0326		mg/kg dry	☼	72	14 - 139	10	50	
4,4'-DDT	<0.00228		0.0453	0.0317		mg/kg dry	☼	70	10 - 152	10	50	
Dieldrin	<0.00228		0.0453	0.0326		mg/kg dry	☼	72	10 - 148	10	50	
Endosulfan I	<0.00228		0.0453	0.0326		mg/kg dry	☼	72	10 - 158	10	50	
Endosulfan II	<0.00228		0.0453	0.0317		mg/kg dry	☼	70	10 - 152	10	50	
Endosulfan sulfate	<0.00228		0.0453	0.0317		mg/kg dry	☼	70	10 - 148	8	50	
Endrin	<0.00228		0.0453	0.0344		mg/kg dry	☼	76	20 - 145	7	50	
Endrin aldehyde	<0.00228		0.0453	0.0308		mg/kg dry	☼	68	13 - 167	13	50	
Endrin ketone	<0.00228		0.0453	0.0353		mg/kg dry	☼	78	13 - 150	9	50	
Heptachlor	<0.00228		0.0453	0.0381		mg/kg dry	☼	84	10 - 161	6	50	
Heptachlor epoxide	<0.00228		0.0453	0.0308		mg/kg dry	☼	68	15 - 139	10	50	
Methoxychlor	<0.00228		0.0453	0.0326		mg/kg dry	☼	72	10 - 175	12	50	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	44		21 - 145
Decachlorobiphenyl	40		25 - 150

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

**Lab Sample ID: 12C4341-BLK1**

**Matrix: Soil**

**Analysis Batch: V005244**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4341\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0210		0.0333	0.0210	mg/kg wet		03/27/12 12:45	03/31/12 08:20	1.00
PCB-1221	<0.0110		0.0333	0.0110	mg/kg wet		03/27/12 12:45	03/31/12 08:20	1.00
PCB-1232	<0.0160		0.0333	0.0160	mg/kg wet		03/27/12 12:45	03/31/12 08:20	1.00
PCB-1242	<0.0260		0.0333	0.0260	mg/kg wet		03/27/12 12:45	03/31/12 08:20	1.00
PCB-1248	<0.0300		0.0333	0.0300	mg/kg wet		03/27/12 12:45	03/31/12 08:20	1.00
PCB-1254	<0.0110		0.0333	0.0110	mg/kg wet		03/27/12 12:45	03/31/12 08:20	1.00
PCB-1260	<0.0280		0.0333	0.0280	mg/kg wet		03/27/12 12:45	03/31/12 08:20	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	108		19 - 147	03/27/12 12:45	03/31/12 08:20	1.00
Decachlorobiphenyl	94		20 - 150	03/27/12 12:45	03/31/12 08:20	1.00

**Lab Sample ID: 12C4341-BS1**

**Matrix: Soil**

**Analysis Batch: V005244**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4341\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1254	0.167	0.168		mg/kg wet		101	72 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	104		19 - 147
Decachlorobiphenyl	94		20 - 150

**Lab Sample ID: 12C4341-MS1**

**Matrix: Soil**

**Analysis Batch: V005244**

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4341\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
PCB-1254	<0.0253		0.380	0.321		mg/kg dry	☼	84	32 - 160

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits
Tetrachloro-meta-xylene	74		19 - 147
Decachlorobiphenyl	64		20 - 150

**Lab Sample ID: 12C4341-MSD1**

**Matrix: Soil**

**Analysis Batch: V005244**

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4341\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
PCB-1254	<0.0253		0.376	0.349		mg/kg dry	☼	93	32 - 160	8	37

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits
Tetrachloro-meta-xylene	90		19 - 147
Decachlorobiphenyl	80		20 - 150

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A (Continued)

**Lab Sample ID: 12C4407-BLK1**  
**Matrix: Water**  
**Analysis Batch: V004744**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C4407\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.250		0.500	0.250	ug/L		03/22/12 07:55	03/22/12 16:44	1.00
PCB-1221	<0.250		0.500	0.250	ug/L		03/22/12 07:55	03/22/12 16:44	1.00
PCB-1232	<0.250		0.500	0.250	ug/L		03/22/12 07:55	03/22/12 16:44	1.00
PCB-1242	<0.250		0.500	0.250	ug/L		03/22/12 07:55	03/22/12 16:44	1.00
PCB-1248	<0.250		0.500	0.250	ug/L		03/22/12 07:55	03/22/12 16:44	1.00
PCB-1254	<0.250		0.500	0.250	ug/L		03/22/12 07:55	03/22/12 16:44	1.00
PCB-1260	<0.250		0.500	0.250	ug/L		03/22/12 07:55	03/22/12 16:44	1.00
Surrogate	%Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	85		17 - 142				03/22/12 07:55	03/22/12 16:44	1.00
Decachlorobiphenyl	86		10 - 149				03/22/12 07:55	03/22/12 16:44	1.00

**Lab Sample ID: 12C4407-BS1**  
**Matrix: Water**  
**Analysis Batch: V004744**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C4407\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1254	5.00	4.63	MNR1	ug/L		93	11 - 150
Surrogate	%Recovery	LCS Qualifier	Limits				
Tetrachloro-meta-xylene	91		17 - 142				
Decachlorobiphenyl	73		10 - 149				

## Method: SW846 6010C - Total Metals by EPA 6010C

**Lab Sample ID: 12C4378-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C4378**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C4378\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<9.98		20.0	9.98	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Antimony	<4.99		9.98	4.99	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Arsenic	<0.499		0.998	0.499	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Barium	<0.998		2.00	0.998	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Beryllium	<0.499		0.998	0.499	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Cadmium	<0.499		0.998	0.499	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Calcium	<49.9		99.8	49.9	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Chromium	<0.499		0.998	0.499	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Cobalt	<1.50		2.99	1.50	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Copper	<0.998		2.00	0.998	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Iron	8.86	J	9.98	4.99	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Lead	<0.499		0.998	0.499	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Magnesium	<49.9		99.8	49.9	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Manganese	<1.50		2.99	1.50	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Nickel	<0.998		2.00	0.998	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Potassium	<49.9		99.8	49.9	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Selenium	<0.998		2.00	0.998	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Silver	<0.499		0.998	0.499	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Sodium	<99.8		200	99.8	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C4378-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C4378**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C4378\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.998		2.00	0.998	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Vanadium	<4.99		9.98	4.99	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00
Zinc	<4.99		9.98	4.99	mg/kg wet		03/27/12 12:00	03/27/12 15:54	1.00

**Lab Sample ID: 12C4378-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C4378**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C4378\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	806	808		mg/kg wet		100	80 - 120
Antimony	40.3	40.0		mg/kg wet		99	80 - 120
Arsenic	20.2	21.0		mg/kg wet		104	80 - 120
Barium	806	854		mg/kg wet		106	80 - 120
Beryllium	20.2	19.9		mg/kg wet		98	80 - 120
Cadmium	20.2	20.8		mg/kg wet		103	80 - 120
Calcium	2020	1980		mg/kg wet		98	80 - 120
Chromium	80.6	76.3		mg/kg wet		95	80 - 120
Cobalt	202	196		mg/kg wet		97	80 - 120
Copper	101	99.3		mg/kg wet		98	80 - 120
Iron	403	423	B	mg/kg wet		105	80 - 120
Lead	20.2	21.8		mg/kg wet		108	80 - 120
Magnesium	2020	2050		mg/kg wet		102	80 - 120
Manganese	202	206		mg/kg wet		102	80 - 120
Nickel	202	204		mg/kg wet		101	80 - 120
Potassium	2020	1940		mg/kg wet		96	80 - 120
Selenium	20.2	20.6		mg/kg wet		102	80 - 120
Silver	20.2	19.9		mg/kg wet		99	75 - 125
Sodium	2020	2050		mg/kg wet		102	80 - 120
Thallium	20.2	20.1		mg/kg wet		100	80 - 120
Vanadium	202	198		mg/kg wet		98	80 - 120
Zinc	202	200		mg/kg wet		99	80 - 120

**Lab Sample ID: 12C4378-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 12C4378**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 12C4378\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	768	764		mg/kg wet		99	80 - 120	6	20
Antimony	38.4	38.3		mg/kg wet		100	80 - 120	4	20
Arsenic	19.2	19.5		mg/kg wet		102	80 - 120	7	20
Barium	768	812		mg/kg wet		106	80 - 120	5	20
Beryllium	19.2	19.0		mg/kg wet		99	80 - 120	4	20
Cadmium	19.2	19.7		mg/kg wet		103	80 - 120	5	20
Calcium	1920	1890		mg/kg wet		99	80 - 120	5	20
Chromium	76.8	72.8		mg/kg wet		95	80 - 120	5	20
Cobalt	192	188		mg/kg wet		98	80 - 120	4	20
Copper	96.0	94.5		mg/kg wet		98	80 - 120	5	20
Iron	384	405	B	mg/kg wet		106	80 - 120	4	20
Lead	19.2	20.7		mg/kg wet		108	80 - 120	5	20
Magnesium	1920	1950		mg/kg wet		101	80 - 120	5	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C4378-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 12C4378**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 12C4378\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Manganese	192	196		mg/kg wet		102	80 - 120	5	20	
Nickel	192	194		mg/kg wet		101	80 - 120	5	20	
Potassium	1920	1870		mg/kg wet		97	80 - 120	4	20	
Selenium	19.2	20.0		mg/kg wet		104	80 - 120	3	20	
Silver	19.2	18.9		mg/kg wet		98	75 - 125	5	20	
Sodium	1920	1950		mg/kg wet		102	80 - 120	5	20	
Thallium	19.2	19.4		mg/kg wet		101	80 - 120	4	20	
Vanadium	192	191		mg/kg wet		100	80 - 120	4	20	
Zinc	192	189		mg/kg wet		99	80 - 120	5	20	

**Lab Sample ID: 12C4378-MS1**  
**Matrix: Soil**  
**Analysis Batch: 12C4378**

**Client Sample ID: TRACT 35 SB-6 (0-2)**  
**Prep Type: Total**  
**Prep Batch: 12C4378\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	8410	MHA	1770	15000	MHA	mg/kg dry	☼	373	75 - 125	
Antimony	<11.1		88.7	82.4		mg/kg dry	☼	93	75 - 125	
Arsenic	9.91		44.4	52.0		mg/kg dry	☼	95	75 - 125	
Barium	21.9		1770	1660		mg/kg dry	☼	92	75 - 125	
Beryllium	6.58		44.4	41.2		mg/kg dry	☼	78	75 - 125	
Cadmium	<1.11		44.4	39.7		mg/kg dry	☼	90	75 - 125	
Calcium	182000	MHA	4440	190000	MHA	mg/kg dry	☼	171	75 - 125	
Chromium	46.9		177	212		mg/kg dry	☼	93	75 - 125	
Cobalt	<3.33		444	453		mg/kg dry	☼	102	75 - 125	
Copper	1700	M8	222	218	M8	mg/kg dry	☼	-670	75 - 125	
Iron	13300	MHA B	887	14900	MHA B	mg/kg dry	☼	179	75 - 125	
Lead	27.7		44.4	73.4		mg/kg dry	☼	103	75 - 125	
Magnesium	8800		4440	13700		mg/kg dry	☼	111	75 - 125	
Manganese	155		444	546		mg/kg dry	☼	88	75 - 125	
Nickel	19.1		444	480		mg/kg dry	☼	104	75 - 125	
Potassium	1360		4440	5610		mg/kg dry	☼	96	75 - 125	
Selenium	<2.22		44.4	42.9		mg/kg dry	☼	97	75 - 125	
Silver	<1.11		44.4	39.7		mg/kg dry	☼	90	75 - 125	
Sodium	7970	M8	4440	9920	M8	mg/kg dry	☼	44	75 - 125	
Thallium	<2.22		44.4	43.3		mg/kg dry	☼	98	75 - 125	
Vanadium	33.3		444	440		mg/kg dry	☼	92	75 - 125	
Zinc	89.9		444	492		mg/kg dry	☼	91	75 - 125	

**Lab Sample ID: 12C4378-MSD1**  
**Matrix: Soil**  
**Analysis Batch: 12C4378**

**Client Sample ID: TRACT 35 SB-6 (0-2)**  
**Prep Type: Total**  
**Prep Batch: 12C4378\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
									Limits	RPD		
Aluminum	8410	MHA	1770	17700	MHA	mg/kg dry	☼	525	75 - 125	16	20	
Antimony	<11.1		88.6	80.4		mg/kg dry	☼	91	75 - 125	2	20	
Arsenic	9.91		44.3	50.4		mg/kg dry	☼	92	75 - 125	3	20	
Barium	21.9		1770	1630		mg/kg dry	☼	91	75 - 125	2	20	
Beryllium	6.58		44.3	40.4		mg/kg dry	☼	76	75 - 125	2	20	
Cadmium	<1.11		44.3	38.8		mg/kg dry	☼	88	75 - 125	2	20	
Calcium	182000	MHA	4430	171000	MHA	mg/kg dry	☼	-266	75 - 125	11	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C4378-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C4378**

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4378\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chromium	46.9		177	202		mg/kg dry	*	88	75 - 125	5	20
Cobalt	<3.33		443	444		mg/kg dry	*	100	75 - 125	2	20
Copper	1700	M8	221	211	M8	mg/kg dry	*	-674	75 - 125	3	20
Iron	13300	MHA B	886	15100	MHA B	mg/kg dry	*	201	75 - 125	1	20
Lead	27.7		44.3	71.1		mg/kg dry	*	98	75 - 125	3	20
Magnesium	8800		4430	11600	M8	mg/kg dry	*	64	75 - 125	17	20
Manganese	155		443	535		mg/kg dry	*	86	75 - 125	2	20
Nickel	19.1		443	465		mg/kg dry	*	101	75 - 125	3	20
Potassium	1360		4430	5570		mg/kg dry	*	95	75 - 125	0.7	20
Selenium	<2.22		44.3	41.5		mg/kg dry	*	94	75 - 125	3	20
Silver	<1.11		44.3	38.9		mg/kg dry	*	88	75 - 125	2	20
Sodium	7970	M8	4430	9750	M8	mg/kg dry	*	40	75 - 125	2	20
Thallium	<2.22		44.3	43.3		mg/kg dry	*	98	75 - 125	0.01	20
Vanadium	33.3		443	430		mg/kg dry	*	90	75 - 125	2	20
Zinc	89.9		443	477		mg/kg dry	*	87	75 - 125	3	20

**Lab Sample ID: 12C5091-BLK1**

**Matrix: Water**

**Analysis Batch: 12C5091**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C5091\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Calcium	<0.500		1.00	0.500	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Magnesium	<0.500		1.00	0.500	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Potassium	<0.500		1.00	0.500	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Sodium	<0.500		1.00	0.500	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		03/29/12 13:16	03/30/12 20:59	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		03/29/12 13:16	03/30/12 20:59	1.00

**Lab Sample ID: 12C5091-BS1**

**Matrix: Water**

**Analysis Batch: 12C5091**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5091\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Aluminum	2.00	1.96		mg/L		98	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C5091-BS1**

**Matrix: Water**

**Analysis Batch: 12C5091**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5091\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Antimony	0.100	0.103		mg/L		103	80 - 120	
Arsenic	0.0500	0.0492		mg/L		98	80 - 120	
Barium	2.00	2.08		mg/L		104	80 - 120	
Beryllium	0.0500	0.0495		mg/L		99	80 - 120	
Cadmium	0.0500	0.0501		mg/L		100	80 - 120	
Calcium	5.00	5.01		mg/L		100	80 - 120	
Chromium	0.200	0.202		mg/L		101	80 - 120	
Cobalt	0.500	0.508		mg/L		102	80 - 120	
Copper	0.250	0.244		mg/L		97	80 - 120	
Iron	1.00	0.978		mg/L		98	80 - 120	
Lead	0.0500	0.0528		mg/L		106	80 - 120	
Magnesium	5.00	5.24		mg/L		105	80 - 120	
Manganese	0.500	0.505		mg/L		101	80 - 120	
Nickel	0.500	0.514		mg/L		103	80 - 120	
Potassium	5.00	4.81		mg/L		96	80 - 120	
Selenium	0.0500	0.0471		mg/L		94	80 - 120	
Silver	0.0500	0.0504		mg/L		101	80 - 120	
Sodium	5.00	5.34		mg/L		107	80 - 120	
Thallium	0.0500	0.0554		mg/L		111	80 - 120	
Vanadium	0.500	0.494		mg/L		99	80 - 120	
Zinc	0.500	0.484		mg/L		97	80 - 120	

**Lab Sample ID: 12C5091-BSD1**

**Matrix: Water**

**Analysis Batch: 12C5091**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C5091\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Aluminum	2.00	1.96		mg/L		98	80 - 120	0.1	20	
Antimony	0.100	0.102		mg/L		102	80 - 120	1	20	
Arsenic	0.0500	0.0497		mg/L		99	80 - 120	1	20	
Barium	2.00	2.07		mg/L		103	80 - 120	0.4	20	
Beryllium	0.0500	0.0492		mg/L		98	80 - 120	0.6	20	
Cadmium	0.0500	0.0501		mg/L		100	80 - 120	0	20	
Calcium	5.00	5.00		mg/L		100	80 - 120	0.1	20	
Chromium	0.200	0.201		mg/L		100	80 - 120	0.6	20	
Cobalt	0.500	0.504		mg/L		101	80 - 120	0.8	20	
Copper	0.250	0.243		mg/L		97	80 - 120	0.2	20	
Iron	1.00	0.987		mg/L		99	80 - 120	0.9	20	
Lead	0.0500	0.0520		mg/L		104	80 - 120	2	20	
Magnesium	5.00	5.15		mg/L		103	80 - 120	2	20	
Manganese	0.500	0.506		mg/L		101	80 - 120	0.1	20	
Nickel	0.500	0.510		mg/L		102	80 - 120	0.7	20	
Potassium	5.00	4.78		mg/L		96	80 - 120	0.5	20	
Selenium	0.0500	0.0500		mg/L		100	80 - 120	6	20	
Silver	0.0500	0.0504		mg/L		101	80 - 120	0	20	
Sodium	5.00	5.26		mg/L		105	80 - 120	1	20	
Thallium	0.0500	0.0552		mg/L		110	80 - 120	0.4	20	
Vanadium	0.500	0.491		mg/L		98	80 - 120	0.6	20	
Zinc	0.500	0.485		mg/L		97	80 - 120	0.3	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C5091-MS1**

**Matrix: Water**

**Analysis Batch: 12C5091**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C5091\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result		Added	Result	Qualifier				Limits	RPD
Aluminum	<0.0500		2.00	1.89		mg/L		94	75 - 125	
Antimony	<0.00500		0.100	0.0997		mg/L		100	75 - 125	
Arsenic	0.00700		0.0500	0.0585		mg/L		103	75 - 125	
Barium	0.176		2.00	2.13		mg/L		98	75 - 125	
Beryllium	<0.00200		0.0500	0.0483		mg/L		97	75 - 125	
Cadmium	<0.000600		0.0500	0.0497		mg/L		99	75 - 125	
Calcium	24.9		5.00	29.8		mg/L		97	75 - 125	
Chromium	<0.00250		0.200	0.197		mg/L		98	75 - 125	
Cobalt	<0.0100		0.500	0.512		mg/L		102	75 - 125	
Copper	<0.00500		0.250	0.243		mg/L		97	75 - 125	
Iron	0.899		1.00	1.84		mg/L		94	75 - 125	
Lead	<0.00250		0.0500	0.0538		mg/L		108	75 - 125	
Magnesium	8.70		5.00	13.6		mg/L		98	75 - 125	
Manganese	0.0248		0.500	0.512		mg/L		97	75 - 125	
Nickel	<0.00500		0.500	0.517		mg/L		103	75 - 125	
Potassium	2.29		5.00	7.10		mg/L		96	75 - 125	
Selenium	<0.00500		0.0500	0.0505		mg/L		101	75 - 125	
Silver	<0.00250		0.0500	0.0499		mg/L		100	75 - 125	
Sodium	244		5.00	245	MHA	mg/L		22	75 - 125	
Thallium	<0.00500		0.0500	0.0517		mg/L		103	75 - 125	
Vanadium	<0.0100		0.500	0.486		mg/L		97	75 - 125	
Zinc	<0.0250		0.500	0.529		mg/L		106	75 - 125	

**Lab Sample ID: 12C5091-MSD1**

**Matrix: Water**

**Analysis Batch: 12C5091**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C5091\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD
	Result		Added	Result	Qualifier				Limits	RPD	Limit
Aluminum	<0.0500		2.00	1.94		mg/L		97	75 - 125	3	20
Antimony	<0.00500		0.100	0.103		mg/L		103	75 - 125	3	20
Arsenic	0.00700		0.0500	0.0598		mg/L		106	75 - 125	2	20
Barium	0.176		2.00	2.17		mg/L		100	75 - 125	2	20
Beryllium	<0.00200		0.0500	0.0494		mg/L		99	75 - 125	2	20
Cadmium	<0.000600		0.0500	0.0505		mg/L		101	75 - 125	2	20
Calcium	24.9		5.00	29.9		mg/L		99	75 - 125	0.4	20
Chromium	<0.00250		0.200	0.203		mg/L		101	75 - 125	3	20
Cobalt	<0.0100		0.500	0.524		mg/L		105	75 - 125	3	20
Copper	<0.00500		0.250	0.248		mg/L		99	75 - 125	2	20
Iron	0.899		1.00	1.86		mg/L		96	75 - 125	1	20
Lead	<0.00250		0.0500	0.0545		mg/L		109	75 - 125	1	20
Magnesium	8.70		5.00	13.8		mg/L		101	75 - 125	0.9	20
Manganese	0.0248		0.500	0.522		mg/L		100	75 - 125	2	20
Nickel	<0.00500		0.500	0.528		mg/L		106	75 - 125	2	20
Potassium	2.29		5.00	7.16		mg/L		97	75 - 125	0.9	20
Selenium	<0.00500		0.0500	0.0498		mg/L		100	75 - 125	1	20
Silver	<0.00250		0.0500	0.0506		mg/L		101	75 - 125	1	20
Sodium	244		5.00	247	MHA	mg/L		54	75 - 125	0.7	20
Thallium	<0.00500		0.0500	0.0544		mg/L		109	75 - 125	5	20
Vanadium	<0.0100		0.500	0.494		mg/L		99	75 - 125	2	20
Zinc	<0.0250		0.500	0.539		mg/L		108	75 - 125	2	20



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 12C5205-BLK1**

**Matrix: Water**

**Analysis Batch: 12C5205**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 12C5205\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Calcium	<0.500		1.00	0.500	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Magnesium	<0.500		1.00	0.500	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Potassium	<0.500		1.00	0.500	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Sodium	<0.500		1.00	0.500	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		03/30/12 09:46	04/02/12 17:36	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		03/30/12 09:46	04/02/12 17:36	1.00

**Lab Sample ID: 12C5205-BS1**

**Matrix: Water**

**Analysis Batch: 12C5205**

**Client Sample ID: Lab Control Sample**

**Prep Type: Dissolved**

**Prep Batch: 12C5205\_P**

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aluminum	2.00	1.83		mg/L		92	80 - 120
Antimony	0.100	0.103		mg/L		103	80 - 120
Arsenic	0.0500	0.0518		mg/L		104	80 - 120
Barium	2.00	2.10		mg/L		105	80 - 120
Beryllium	0.0500	0.0498		mg/L		100	80 - 120
Cadmium	0.0500	0.0506		mg/L		101	80 - 120
Calcium	5.00	4.97		mg/L		99	80 - 120
Chromium	0.200	0.198		mg/L		99	80 - 120
Cobalt	0.500	0.498		mg/L		100	80 - 120
Copper	0.250	0.249		mg/L		99	80 - 120
Iron	1.00	1.00		mg/L		100	80 - 120
Lead	0.0500	0.0522		mg/L		104	80 - 120
Magnesium	5.00	4.98		mg/L		100	80 - 120
Manganese	0.500	0.506		mg/L		101	80 - 120
Nickel	0.500	0.504		mg/L		101	80 - 120
Potassium	5.00	4.88		mg/L		98	80 - 120
Selenium	0.0500	0.0505		mg/L		101	80 - 120
Silver	0.0500	0.0478		mg/L		96	80 - 120
Sodium	5.00	5.02		mg/L		100	80 - 120
Thallium	0.0500	0.0521		mg/L		104	80 - 120
Vanadium	0.500	0.491		mg/L		98	80 - 120
Zinc	0.500	0.487		mg/L		97	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12C5205-BSD1**

**Matrix: Water**

**Analysis Batch: 12C5205**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Dissolved**

**Prep Batch: 12C5205\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Aluminum	2.00	1.93		mg/L		96	80 - 120	5	20	
Antimony	0.100	0.109		mg/L		109	80 - 120	6	20	
Arsenic	0.0500	0.0507		mg/L		101	80 - 120	2	20	
Barium	2.00	2.15		mg/L		107	80 - 120	2	20	
Beryllium	0.0500	0.0509		mg/L		102	80 - 120	2	20	
Cadmium	0.0500	0.0518		mg/L		104	80 - 120	2	20	
Calcium	5.00	5.07		mg/L		101	80 - 120	2	20	
Chromium	0.200	0.204		mg/L		102	80 - 120	3	20	
Cobalt	0.500	0.511		mg/L		102	80 - 120	3	20	
Copper	0.250	0.256		mg/L		102	80 - 120	3	20	
Iron	1.00	1.01		mg/L		101	80 - 120	0.9	20	
Lead	0.0500	0.0543		mg/L		109	80 - 120	4	20	
Magnesium	5.00	5.10		mg/L		102	80 - 120	3	20	
Manganese	0.500	0.519		mg/L		104	80 - 120	3	20	
Nickel	0.500	0.518		mg/L		104	80 - 120	3	20	
Potassium	5.00	4.98		mg/L		100	80 - 120	2	20	
Selenium	0.0500	0.0534		mg/L		107	80 - 120	6	20	
Silver	0.0500	0.0508		mg/L		102	80 - 120	6	20	
Sodium	5.00	5.13		mg/L		103	80 - 120	2	20	
Thallium	0.0500	0.0515		mg/L		103	80 - 120	1	20	
Vanadium	0.500	0.503		mg/L		101	80 - 120	3	20	
Zinc	0.500	0.498		mg/L		100	80 - 120	2	20	

**Lab Sample ID: 12C5205-MS1**

**Matrix: Water**

**Analysis Batch: 12C5205**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 12C5205\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	<0.0500		2.00	1.93		mg/L		97	75 - 125	
Antimony	<0.00500		0.100	0.110		mg/L		110	75 - 125	
Arsenic	<0.00500		0.0500	0.0521		mg/L		104	75 - 125	
Barium	0.0100		2.00	2.14		mg/L		106	75 - 125	
Beryllium	<0.00200		0.0500	0.0512		mg/L		102	75 - 125	
Cadmium	<0.000600		0.0500	0.0509		mg/L		102	75 - 125	
Calcium	62.9		5.00	67.4		mg/L		89	75 - 125	
Chromium	<0.00250		0.200	0.203		mg/L		101	75 - 125	
Cobalt	<0.0100		0.500	0.510		mg/L		102	75 - 125	
Copper	0.0246		0.250	0.276		mg/L		100	75 - 125	
Iron	<0.0250		1.00	1.01		mg/L		101	75 - 125	
Lead	<0.00250		0.0500	0.0504		mg/L		101	75 - 125	
Magnesium	16.4		5.00	21.3		mg/L		97	75 - 125	
Manganese	<0.00750		0.500	0.511		mg/L		102	75 - 125	
Nickel	<0.00500		0.500	0.515		mg/L		103	75 - 125	
Potassium	1.15		5.00	6.05		mg/L		98	75 - 125	
Selenium	<0.00500		0.0500	0.0496		mg/L		99	75 - 125	
Silver	<0.00250		0.0500	0.0512		mg/L		102	75 - 125	
Sodium	3.66		5.00	8.68		mg/L		100	75 - 125	
Thallium	<0.00500		0.0500	0.0497		mg/L		99	75 - 125	
Vanadium	<0.0100		0.500	0.503		mg/L		101	75 - 125	
Zinc	<0.0250		0.500	0.522		mg/L		104	75 - 125	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12C5205-MSD1**

**Matrix: Water**

**Analysis Batch: 12C5205**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 12C5205\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Aluminum	<0.0500		2.00	1.85		mg/L		93	75 - 125	4	20
Antimony	<0.00500		0.100	0.104		mg/L		104	75 - 125	6	20
Arsenic	<0.00500		0.0500	0.0498		mg/L		100	75 - 125	5	20
Barium	0.0100		2.00	2.12		mg/L		105	75 - 125	0.9	20
Beryllium	<0.00200		0.0500	0.0506		mg/L		101	75 - 125	1	20
Cadmium	<0.000600		0.0500	0.0502		mg/L		100	75 - 125	1	20
Calcium	62.9		5.00	66.5	MHA	mg/L		73	75 - 125	1	20
Chromium	<0.00250		0.200	0.200		mg/L		100	75 - 125	1	20
Cobalt	<0.0100		0.500	0.508		mg/L		102	75 - 125	0.5	20
Copper	0.0246		0.250	0.273		mg/L		99	75 - 125	1	20
Iron	<0.0250		1.00	1.00		mg/L		100	75 - 125	0.8	20
Lead	<0.00250		0.0500	0.0504		mg/L		101	75 - 125	0	20
Magnesium	16.4		5.00	21.1		mg/L		93	75 - 125	0.9	20
Manganese	<0.00750		0.500	0.507		mg/L		101	75 - 125	0.7	20
Nickel	<0.00500		0.500	0.511		mg/L		102	75 - 125	0.8	20
Potassium	1.15		5.00	5.93		mg/L		96	75 - 125	2	20
Selenium	<0.00500		0.0500	0.0507		mg/L		101	75 - 125	2	20
Silver	<0.00250		0.0500	0.0485		mg/L		97	75 - 125	5	20
Sodium	3.66		5.00	8.59		mg/L		99	75 - 125	1	20
Thallium	<0.00500		0.0500	0.0497		mg/L		99	75 - 125	0	20
Vanadium	<0.0100		0.500	0.490		mg/L		98	75 - 125	3	20
Zinc	<0.0250		0.500	0.517		mg/L		103	75 - 125	0.9	20

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12C4306-BLK1**

**Matrix: Water**

**Analysis Batch: 12C4306**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4306\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000100		0.000200	0.000100	mg/L		03/22/12 09:40	03/23/12 13:58	1.00

**Lab Sample ID: 12C4306-BS1**

**Matrix: Water**

**Analysis Batch: 12C4306**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4306\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Mercury	0.00100	0.000932		mg/L		93	80 - 120	

**Lab Sample ID: 12C4306-BSD1**

**Matrix: Water**

**Analysis Batch: 12C4306**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C4306\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Mercury	0.00100	0.000898		mg/L		90	80 - 120	4	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 12C4306-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C4306**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12C4306\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.000334	M8	mg/L		33	75 - 125

**Lab Sample ID: 12C4306-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12C4306**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 12C4306\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.000431	M8	mg/L		43	75 - 125	25	20

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12C4304-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C4304**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 12C4304\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/22/12 08:00	03/22/12 13:43	1.00

**Lab Sample ID: 12C4304-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C4304**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 12C4304\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00100	0.000803		mg/L		80	80 - 120

**Lab Sample ID: 12C4304-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C4304**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 12C4304\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000100		0.00100	0.000907		mg/L		91	75 - 125

**Lab Sample ID: 12C4304-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12C4304**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 12C4304\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000100		0.00100	0.000869		mg/L		87	75 - 125	4	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 12C5250-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C5250**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C5250\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.048		0.096	0.048	mg/kg wet		03/27/12 15:45	03/28/12 11:47	1.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 7471B - Mercury by EPA Method 7471B (Continued)

**Lab Sample ID: 12C5250-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C5250**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C5250\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.162	0.19		mg/kg wet		120	80 - 120

**Lab Sample ID: 12C5250-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 12C5250**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 12C5250\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.167	0.20		mg/kg wet		117	80 - 120	0.3	20

**Lab Sample ID: 12C5250-MS1**  
**Matrix: Soil**  
**Analysis Batch: 12C5250**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12C5250\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.056		0.195	0.23		mg/kg dry	☼	118	80 - 120

**Lab Sample ID: 12C5250-MSD1**  
**Matrix: Soil**  
**Analysis Batch: 12C5250**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 12C5250\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.056		0.196	0.22		mg/kg dry	☼	114	80 - 120	3	20

## Method: SW846 7196A - General Chemistry Parameters

**Lab Sample ID: 12C4554-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C4554**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C4554\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<0.00500		0.0100	0.00500	mg/L		03/22/12 14:00	03/22/12 14:00	1.00

**Lab Sample ID: 12C4554-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C4554**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C4554\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chromium (VI)	0.100	0.101		mg/L		101	85 - 115

**Lab Sample ID: 12C4554-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C4554**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12C4554\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Chromium (VI)	0.00920		0.100	0.107		mg/L		98	85 - 115

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW846 7196A - General Chemistry Parameters (Continued)

**Lab Sample ID: 12C4554-MSD1**

**Matrix: Water**

**Analysis Batch: 12C4554**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C4554\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Chromium (VI)	0.00920		0.100	0.105		mg/L		96	85 - 115	2	10

**Lab Sample ID: 12C4554-DUP1**

**Matrix: Water**

**Analysis Batch: 12C4554**

**Client Sample ID: Duplicate**

**Prep Type: Total**

**Prep Batch: 12C4554\_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
Chromium (VI)	0.00920		0.00600	R2 J	mg/L		42	10

**Lab Sample ID: 12C6051-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C6051**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C6051\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<1.00		2.00	1.00	mg/kg wet		03/30/12 12:40	03/31/12 08:15	1.00

**Lab Sample ID: 12C6051-BS1**

**Matrix: Soil**

**Analysis Batch: 12C6051**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C6051\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chromium (VI)	40.0	40.3		mg/kg wet		101	80 - 120

**Lab Sample ID: 12C6051-MS1**

**Matrix: Soil**

**Analysis Batch: 12C6051**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C6051\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Chromium (VI)	<1.00		40.0	44.1		mg/kg wet		110	75 - 125

**Lab Sample ID: 12C6051-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C6051**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C6051\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Chromium (VI)	<1.00		40.0	42.3		mg/kg wet		106	75 - 125	4	20

**Lab Sample ID: 12C6051-DUP1**

**Matrix: Soil**

**Analysis Batch: 12C6051**

**Client Sample ID: Duplicate**

**Prep Type: Total**

**Prep Batch: 12C6051\_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
Chromium (VI)	<1.00		<1.00		mg/kg wet			20

# QC Sample Results

Client: S&ME, Inc. (2420)  
 Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 12D0501-DUP1  
 Matrix: Soil  
 Analysis Batch: 12D0501

Client Sample ID: TRACT 35 SB-6 (0-2)  
 Prep Type: Total  
 Prep Batch: 12D0501\_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD	Limit
% Dry Solids	43.3		46.5		%		7	7	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## GCMS Volatiles

### Analysis Batch: V004794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4148-BLK1	Method Blank	Total	Water	SW846 8260B	12C4148_P
12C4148-BS1	Lab Control Sample	Total	Water	SW846 8260B	12C4148_P
12C4148-MS1	Matrix Spike	Total	Water	SW846 8260B	12C4148_P
12C4148-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	12C4148_P
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	SW846 8260B	12C4148_P
NWC2604-04	Trip Blank	Total	Water	SW846 8260B	12C4148_P

### Analysis Batch: V005189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4310-BLK1	Method Blank	Total	Soil	SW846 8260B	12C4310_P
12C4310-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12C4310_P
12C4310-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	12C4310_P
12C4310-MS1	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 8260B	12C4310_P
12C4310-MSD1	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 8260B	12C4310_P
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 8260B	12C4310_P
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	SW846 8260B	12C4310_P

### Prep Batch: 12C4148\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4148-BLK1	Method Blank	Total	Water	EPA 5030B	
12C4148-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12C4148-MS1	Matrix Spike	Total	Water	EPA 5030B	
12C4148-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	EPA 5030B	
NWC2604-04	Trip Blank	Total	Water	EPA 5030B	

### Prep Batch: 12C4310\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4310-BLK1	Method Blank	Total	Soil	EPA 5035	
12C4310-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12C4310-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
12C4310-MS1	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 5035	
12C4310-MSD1	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 5035	
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 5035	
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	EPA 5035	

## GCMS Semivolatiles

### Analysis Batch: 12C4345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4345-BLK1	Method Blank	Total	Soil	SW846 8270D	12C4345_P
12C4345-BS1	Lab Control Sample	Total	Soil	SW846 8270D	12C4345_P
12C4345-MS1	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 8270D	12C4345_P
12C4345-MSD1	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 8270D	12C4345_P
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 8270D	12C4345_P
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	SW846 8270D	12C4345_P

### Analysis Batch: 12C4412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4412-BLK1	Method Blank	Total	Water	SW846 8270D	12C4412_P
12C4412-BS1	Lab Control Sample	Total	Water	SW846 8270D	12C4412_P
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	SW846 8270D	12C4412_P



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## GCMS Semivolatiles (Continued)

### Prep Batch: 12C4345\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4345-BLK1	Method Blank	Total	Soil	EPA 3550C	
12C4345-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12C4345-MS1	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 3550C	
12C4345-MSD1	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 3550C	
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 3550C	
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	EPA 3550C	

### Prep Batch: 12C4412\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4412-BLK1	Method Blank	Total	Water	EPA 3510C	
12C4412-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	EPA 3510C	

## Pesticides

### Analysis Batch: V004744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4407-BLK1	Method Blank	Total	Water	SW846 8082A	12C4407_P
12C4407-BS1	Lab Control Sample	Total	Water	SW846 8082A	12C4407_P
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	SW846 8082A	12C4407_P

### Analysis Batch: V004754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4347-BLK1	Method Blank	Total	Water	SW846 8081B	12C4347_P
12C4347-BS1	Lab Control Sample	Total	Water	SW846 8081B	12C4347_P
12C4347-BS2	Lab Control Sample	Total	Water	SW846 8081B	12C4347_P
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	SW846 8081B	12C4347_P

### Analysis Batch: V005175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4684-BLK1	Method Blank	Total	Soil	SW846 8081B	12C4684_P
12C4684-BS1	Lab Control Sample	Total	Soil	SW846 8081B	12C4684_P
12C4684-BS2	Lab Control Sample	Total	Soil	SW846 8081B	12C4684_P
12C4684-MS1	Matrix Spike	Total	Soil	SW846 8081B	12C4684_P
12C4684-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8081B	12C4684_P

### Analysis Batch: V005244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4341-BLK1	Method Blank	Total	Soil	SW846 8082A	12C4341_P
12C4341-BS1	Lab Control Sample	Total	Soil	SW846 8082A	12C4341_P
12C4341-MS1	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 8082A	12C4341_P
12C4341-MSD1	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 8082A	12C4341_P
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 8082A	12C4341_P
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	SW846 8082A	12C4341_P

### Analysis Batch: V005363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC2604-01 - RE2	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 8081B	12C4684_P
NWC2604-02 - RE2	TRACT 35 SB-6 (6-10)	Total	Soil	SW846 8081B	12C4684_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Pesticides (Continued)

### Prep Batch: 12C4341\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4341-BLK1	Method Blank	Total	Soil	EPA 3550C/3665A	
12C4341-BS1	Lab Control Sample	Total	Soil	EPA 3550C/3665A	
12C4341-MS1	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 3550C/3665A	
12C4341-MSD1	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 3550C/3665A	
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 3550C/3665A	
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	EPA 3550C/3665A	

### Prep Batch: 12C4347\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4347-BLK1	Method Blank	Total	Water	EPA 3510C	
12C4347-BS1	Lab Control Sample	Total	Water	EPA 3510C	
12C4347-BS2	Lab Control Sample	Total	Water	EPA 3510C	
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	EPA 3510C	

### Prep Batch: 12C4407\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4407-BLK1	Method Blank	Total	Water	EPA 3510C/3665A	
12C4407-BS1	Lab Control Sample	Total	Water	EPA 3510C/3665A	
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	EPA 3510C/3665A	

### Prep Batch: 12C4684\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4684-BLK1	Method Blank	Total	Soil	EPA 3550C	
12C4684-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12C4684-BS2	Lab Control Sample	Total	Soil	EPA 3550C	
12C4684-MS1	Matrix Spike	Total	Soil	EPA 3550C	
12C4684-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550C	
NWC2604-01 - RE2	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 3550C	
NWC2604-02 - RE2	TRACT 35 SB-6 (6-10)	Total	Soil	EPA 3550C	

## Metals

### Analysis Batch: 12C4304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4304-BLK1	Method Blank	Dissolved	Water	SW846 7470A	12C4304_P
12C4304-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	12C4304_P
12C4304-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	12C4304_P
12C4304-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	12C4304_P
NWC2604-03	TRACT 35 TW-6 (16-20)	Dissolved	Ground Water	SW846 7470A	12C4304_P

### Analysis Batch: 12C4306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4306-BLK1	Method Blank	Total	Water	SW846 7470A	12C4306_P
12C4306-BS1	Lab Control Sample	Total	Water	SW846 7470A	12C4306_P
12C4306-BSD1	Lab Control Sample Dup	Total	Water	SW846 7470A	12C4306_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Metals (Continued)

### Analysis Batch: 12C4306 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4306-MS1	Matrix Spike	Total	Water	SW846 7470A	12C4306_P
12C4306-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	12C4306_P
12C4306-PS1	NWC2268-01	Total	Water	SW846 7470A	12C4306_P
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	SW846 7470A	12C4306_P

### Analysis Batch: 12C4378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4378-BLK1	Method Blank	Total	Soil	SW846 6010C	12C4378_P
12C4378-BS1	Lab Control Sample	Total	Soil	SW846 6010C	12C4378_P
12C4378-BSD1	Lab Control Sample Dup	Total	Soil	SW846 6010C	12C4378_P
12C4378-MS1	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 6010C	12C4378_P
12C4378-MSD1	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 6010C	12C4378_P
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 6010C	12C4378_P
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	SW846 6010C	12C4378_P

### Analysis Batch: 12C5091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5091-BLK1	Method Blank	Total	Water	SW846 6010C	12C5091_P
12C5091-BS1	Lab Control Sample	Total	Water	SW846 6010C	12C5091_P
12C5091-BSD1	Lab Control Sample Dup	Total	Water	SW846 6010C	12C5091_P
12C5091-MS1	Matrix Spike	Total	Water	SW846 6010C	12C5091_P
12C5091-MSD1	Matrix Spike Duplicate	Total	Water	SW846 6010C	12C5091_P
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	SW846 6010C	12C5091_P

### Analysis Batch: 12C5205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5205-BLK1	Method Blank	Dissolved	Water	SW846 6010C	12C5205_P
12C5205-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	12C5205_P
12C5205-BSD1	Lab Control Sample Dup	Dissolved	Water	SW846 6010C	12C5205_P
12C5205-MS1	Matrix Spike	Dissolved	Water	SW846 6010C	12C5205_P
12C5205-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 6010C	12C5205_P
NWC2604-03	TRACT 35 TW-6 (16-20)	Dissolved	Ground Water	SW846 6010C	12C5205_P

### Analysis Batch: 12C5250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5250-BLK1	Method Blank	Total	Soil	SW846 7471B	12C5250_P
12C5250-BS1	Lab Control Sample	Total	Soil	SW846 7471B	12C5250_P
12C5250-BSD1	Lab Control Sample Dup	Total	Soil	SW846 7471B	12C5250_P
12C5250-MS1	Matrix Spike	Total	Soil	SW846 7471B	12C5250_P
12C5250-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	12C5250_P
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 7471B	12C5250_P
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	SW846 7471B	12C5250_P

### Prep Batch: 12C4304\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4304-BLK1	Method Blank	Dissolved	Water	EPA 7470	
12C4304-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
12C4304-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
12C4304-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	
NWC2604-03	TRACT 35 TW-6 (16-20)	Dissolved	Ground Water	EPA 7470	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Metals (Continued)

### Prep Batch: 12C4306\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4306-BLK1	Method Blank	Total	Water	EPA 7470	
12C4306-BS1	Lab Control Sample	Total	Water	EPA 7470	
12C4306-BSD1	Lab Control Sample Dup	Total	Water	EPA 7470	
12C4306-MS1	Matrix Spike	Total	Water	EPA 7470	
12C4306-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
12C4306-PS1	NWC2268-01	Total	Water	EPA 7470	
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	EPA 7470	

### Prep Batch: 12C4378\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4378-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
12C4378-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
12C4378-BSD1	Lab Control Sample Dup	Total	Soil	EPA 3051A/6010	
12C4378-MS1	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 3051A/6010	
12C4378-MSD1	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 3051A/6010	
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 3051A/6010	
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	EPA 3051A/6010	

### Prep Batch: 12C5091\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5091-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
12C5091-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
12C5091-BSD1	Lab Control Sample Dup	Total	Water	EPA 3010A / 6010	
12C5091-MS1	Matrix Spike	Total	Water	EPA 3010A / 6010	
12C5091-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3010A / 6010	
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	EPA 3010A / 6010	

### Prep Batch: 12C5205\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5205-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C5205-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C5205-BSD1	Lab Control Sample Dup	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C5205-MS1	Matrix Spike	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C5205-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NWC2604-03	TRACT 35 TW-6 (16-20)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Metals (Continued)

### Prep Batch: 12C5250\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5250-BLK1	Method Blank	Total	Soil	EPA 7471	
12C5250-BS1	Lab Control Sample	Total	Soil	EPA 7471	
12C5250-BSD1	Lab Control Sample Dup	Total	Soil	EPA 7471	
12C5250-MS1	Matrix Spike	Total	Soil	EPA 7471	
12C5250-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	EPA 7471	
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	EPA 7471	

## WetChem

### Analysis Batch: 12C4554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4554-BLK1	Method Blank	Total	Water	SW846 7196A	12C4554_P
12C4554-BS1	Lab Control Sample	Total	Water	SW846 7196A	12C4554_P
12C4554-DUP1	Duplicate	Total	Water	SW846 7196A	12C4554_P
12C4554-MS1	Matrix Spike	Total	Water	SW846 7196A	12C4554_P
12C4554-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7196A	12C4554_P
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	SW846 7196A	12C4554_P

### Analysis Batch: 12C6051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C6051-BLK1	Method Blank	Total	Soil	SW846 7196A	12C6051_P
12C6051-BS1	Lab Control Sample	Total	Soil	SW846 7196A	12C6051_P
12C6051-DUP1	Duplicate	Total	Soil	SW846 7196A	12C6051_P
12C6051-MS1	Matrix Spike	Total	Soil	SW846 7196A	12C6051_P
12C6051-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7196A	12C6051_P
12C6051-PS1	NWC3582-01	Total	Soil	SW846 7196A	12C6051_P
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	SW846 7196A	12C6051_P
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	SW846 7196A	12C6051_P

### Prep Batch: 12C4554\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4554-BLK1	Method Blank	Total	Water	NO PREP	
12C4554-BS1	Lab Control Sample	Total	Water	NO PREP	
12C4554-DUP1	Duplicate	Total	Water	NO PREP	
12C4554-MS1	Matrix Spike	Total	Water	NO PREP	
12C4554-MSD1	Matrix Spike Duplicate	Total	Water	NO PREP	
NWC2604-03	TRACT 35 TW-6 (16-20)	Total	Ground Water	NO PREP	

### Prep Batch: 12C6051\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C6051-BLK1	Method Blank	Total	Soil	NO PREP	
12C6051-BS1	Lab Control Sample	Total	Soil	NO PREP	
12C6051-DUP1	Duplicate	Total	Soil	NO PREP	
12C6051-MS1	Matrix Spike	Total	Soil	NO PREP	
12C6051-MSD1	Matrix Spike Duplicate	Total	Soil	NO PREP	
12C6051-PS1	NWC3582-01	Total	Soil	NO PREP	
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	NO PREP	
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	NO PREP	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

## Extractions

### Analysis Batch: 12D0501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12D0501-DUP1	TRACT 35 SB-6 (0-2)	Total	Soil	SW-846	12D0501_P
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	SW-846	12D0501_P
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	SW-846	12D0501_P

### Prep Batch: 12D0501\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12D0501-DUP1	TRACT 35 SB-6 (0-2)	Total	Soil	% Solids	
NWC2604-01	TRACT 35 SB-6 (0-2)	Total	Soil	% Solids	
NWC2604-02	TRACT 35 SB-6 (6-10)	Total	Soil	% Solids	

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 SB-6 (0-2)**

**Lab Sample ID: NWC2604-01**

Date Collected: 03/20/12 10:10

Matrix: Soil

Date Received: 03/21/12 08:10

Percent Solids: 43.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.56	12C4310_P	03/20/12 10:10	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V005189	03/27/12 20:06	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.976	12C4345_P	03/27/12 12:30	KDF	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C4345	03/30/12 13:00	WLS	TAL NSH
Total	Prep	EPA 3550C/3665A		0.998	12C4341_P	03/27/12 12:45	KDF	TAL NSH
Total	Analysis	SW846 8082A		1.00	V005244	03/31/12 09:35	WAM	TAL NSH
Total	Prep	EPA 3550C	RE2	0.976	12C4684_P	03/29/12 09:00	KDF	TAL NSH
Total	Analysis	SW846 8081B	RE2	10.0	V005363	04/02/12 21:31	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		0.963	12C4378_P	03/27/12 12:00	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C4378	03/27/12 16:10	DEB	TAL NSH
Total	Analysis	SW846 6010C		5.00	12C4378	03/28/12 10:43	DEB	TAL NSH
Total	Prep	EPA 7471		0.99	12C5250_P	03/27/12 15:45	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C5250	03/28/12 11:59	MB	TAL NSH
Total	Prep	NO PREP		1.00	12C6051_P	03/30/12 12:40	AMB	TAL NSH
Total	Analysis	SW846 7196A		1.00	12C6051	03/31/12 08:15	CLJ	TAL NSH
Total	Prep	% Solids		1.00	12D0501_P	04/04/12 08:36	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12D0501	04/04/12 11:26	RRS	TAL NSH

**Client Sample ID: TRACT 35 SB-6 (6-10)**

**Lab Sample ID: NWC2604-02**

Date Collected: 03/20/12 10:40

Matrix: Soil

Date Received: 03/21/12 08:10

Percent Solids: 43.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.28	12C4310_P	03/20/12 10:40	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V005189	03/27/12 20:34	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.973	12C4345_P	03/27/12 12:30	KDF	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C4345	03/30/12 13:21	WLS	TAL NSH
Total	Prep	EPA 3550C/3665A		0.988	12C4341_P	03/27/12 12:45	KDF	TAL NSH
Total	Analysis	SW846 8082A		1.00	V005244	03/31/12 09:54	WAM	TAL NSH
Total	Prep	EPA 3550C	RE2	0.974	12C4684_P	03/29/12 09:00	KDF	TAL NSH
Total	Analysis	SW846 8081B	RE2	10.0	V005363	04/02/12 21:46	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		1.00	12C4378_P	03/27/12 12:00	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C4378	03/27/12 16:31	DEB	TAL NSH
Total	Prep	EPA 7471		0.97	12C5250_P	03/27/12 15:45	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C5250	03/28/12 12:06	MB	TAL NSH
Total	Prep	NO PREP		1.00	12C6051_P	03/30/12 12:40	AMB	TAL NSH
Total	Analysis	SW846 7196A		1.00	12C6051	03/31/12 08:15	CLJ	TAL NSH
Total	Prep	% Solids		1.00	12D0501_P	04/04/12 08:36	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12D0501	04/04/12 11:26	RRS	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

**Client Sample ID: TRACT 35 TW-6 (16-20)**

**Lab Sample ID: NWC2604-03**

**Date Collected: 03/20/12 11:00**

**Matrix: Ground Water**

**Date Received: 03/21/12 08:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C4148_P	03/21/12 12:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V004794	03/21/12 19:55	JJR	TAL NSH
Total	Prep	EPA 3510C		0.943	12C4412_P	03/22/12 06:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C4412	03/22/12 18:28	KJP	TAL NSH
Total	Prep	EPA 3510C		1.67	12C4347_P	03/21/12 13:30	JJR	TAL NSH
Total	Analysis	SW846 8081B		1.00	V004754	03/22/12 13:46	WAM	TAL NSH
Total	Prep	EPA 3510C/3665A		0.971	12C4407_P	03/22/12 07:55	JJR	TAL NSH
Total	Analysis	SW846 8082A		1.00	V004744	03/22/12 17:27	WAM	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	12C5205_P	03/30/12 09:46	MET	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	12C5205	04/02/12 18:55	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	12C5091_P	03/29/12 13:16	CXU	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C5091	03/30/12 22:28	DEB	TAL NSH
Dissolved	Analysis	SW846 6010C		10.0	12C5205	04/03/12 11:03	LTB	TAL NSH
Total	Analysis	SW846 6010C		100	12C5091	04/02/12 13:54	DEB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	12C4304_P	03/22/12 08:00	ALJ	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12C4304	03/22/12 14:01	ALJ	TAL NSH
Total	Prep	EPA 7470		1.00	12C4306_P	03/22/12 09:40	ALJ	TAL NSH
Total	Analysis	SW846 7470A		1.00	12C4306	03/23/12 14:32	ALJ	TAL NSH
Total	Analysis	SW846 7196A		1.00	12C4554	03/22/12 14:12	CLJ	TAL NSH
Total	Prep	NO PREP		1.00	12C4554_P	03/22/12 14:12	AMB	TAL NSH

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC2604-04**

**Date Collected: 03/20/12 00:01**

**Matrix: Water**

**Date Received: 03/21/12 08:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C4148_P	03/21/12 12:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V004794	03/21/12 18:38	JJR	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 8081B	Organochlorine Pesticides by EPA Method 8081B		TAL NSH
SW846 8082A	Polychlorinated Biphenyls by EPA Method 8082A		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH
SW846 7196A	General Chemistry Parameters		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Certification Summary

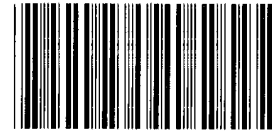
Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2604

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

## COOLER RECEIPT



NWC2604

Cooler Received/Opened On 3/21/2012 @ 0810

1. Tracking # 9282 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 4.6 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO... NA

4. Were custody seals on outside of cooler?  YES...NO...NA

If yes, how many and where: one front + Back

5. Were the seals intact, signed, and dated correctly?  YES...NO...NA

6. Were custody papers inside cooler?  YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES  NO and intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used?  Bubblewrap  Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process:  Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)?  YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES  NO...NA

14. Was there a Trip Blank in this cooler?  YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) UU

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used  YES...NO...NA

16. Was residual chlorine present? YES... NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) UU

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) UU

I certify that I attached a label with the unique LIMS number to each container (initial) UU

21. Were there Non-Conformance issues at login?  YES  NO Was a PIPE generated?  YES  NO # 102784



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NWC3065  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
4/6/2012 11:39:44 AM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3065

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWC3065-01	Tract 35 TW-7 (20-24)	Ground Water	03/21/12 16:30	03/23/12 08:15

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# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3065

## Qualifiers

### Pesticides

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3065

**Client Sample ID: Tract 35 TW-7 (20-24)**

**Lab Sample ID: NWC3065-01**

**Date Collected: 03/21/12 16:30**

**Matrix: Ground Water**

**Date Received: 03/23/12 08:15**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	84		38 - 150	03/27/12 13:05	03/29/12 15:31	1.00
Decachlorobiphenyl	37		10 - 141	03/27/12 13:05	03/29/12 15:31	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
delta-BHC	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
alpha-BHC	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
beta-BHC	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
gamma-BHC (Lindane)	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
alpha-Chlordane	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
gamma-Chlordane	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
Chlordane	<50.0		100	50.0	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
4,4'-DDD	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
4,4'-DDE	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
4,4'-DDT	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
Dieldrin	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
Endosulfan I	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
Endosulfan II	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
Endosulfan sulfate	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
Endrin	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
Endrin aldehyde	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
Endrin ketone	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
Heptachlor	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
Heptachlor epoxide	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
Methoxychlor	<0.650		1.25	0.650	ug/L		03/27/12 13:05	03/30/12 17:46	50.0
Toxaphene	<50.0		100	50.0	ug/L		03/27/12 13:05	03/30/12 17:46	50.0

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.243		0.485	0.243	ug/L		03/27/12 13:05	03/30/12 13:05	1.00
PCB-1221	<0.243		0.485	0.243	ug/L		03/27/12 13:05	03/30/12 13:05	1.00
PCB-1232	<0.243		0.485	0.243	ug/L		03/27/12 13:05	03/30/12 13:05	1.00
PCB-1242	<0.243		0.485	0.243	ug/L		03/27/12 13:05	03/30/12 13:05	1.00
PCB-1248	<0.243		0.485	0.243	ug/L		03/27/12 13:05	03/30/12 13:05	1.00
PCB-1254	<0.243		0.485	0.243	ug/L		03/27/12 13:05	03/30/12 13:05	1.00
PCB-1260	<0.243		0.485	0.243	ug/L		03/27/12 13:05	03/30/12 13:05	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	83		17 - 142	03/27/12 13:05	03/30/12 13:05	1.00
Decachlorobiphenyl	36		10 - 149	03/27/12 13:05	03/30/12 13:05	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3065

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

**Lab Sample ID: 12C5592-BLK1**

**Matrix: Water**

**Analysis Batch: V005175**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C5592\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
delta-BHC	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
alpha-BHC	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
beta-BHC	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
gamma-BHC (Lindane)	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
alpha-Chlordane	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
gamma-Chlordane	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
Chlordane	<1.00		2.00	1.00	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
4,4'-DDD	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
4,4'-DDE	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
4,4'-DDT	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
Dieldrin	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
Endosulfan I	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
Endosulfan II	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
Endosulfan sulfate	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
Endrin	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
Endrin aldehyde	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
Endrin ketone	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
Heptachlor	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
Heptachlor epoxide	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
Methoxychlor	<0.0130		0.0250	0.0130	ug/L		03/27/12 13:05	03/29/12 14:48	1.00
Toxaphene	<1.00		2.00	1.00	ug/L		03/27/12 13:05	03/29/12 14:48	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	65		38 - 150	03/27/12 13:05	03/29/12 14:48	1.00
Decachlorobiphenyl	71		10 - 141	03/27/12 13:05	03/29/12 14:48	1.00

**Lab Sample ID: 12C5592-BS1**

**Matrix: Water**

**Analysis Batch: V005175**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5592\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.240	MNR1	ug/L		48	38 - 128
delta-BHC	0.500	0.285	MNR1	ug/L		57	35 - 145
alpha-BHC	0.500	0.330	MNR1	ug/L		66	47 - 136
beta-BHC	0.500	0.335	MNR1	ug/L		67	50 - 140
gamma-BHC (Lindane)	0.500	0.340	MNR1	ug/L		68	50 - 138
alpha-Chlordane	0.500	0.330	MNR1	ug/L		66	49 - 137
gamma-Chlordane	0.500	0.315	MNR1	ug/L		63	46 - 143
4,4'-DDD	0.500	0.345	MNR1	ug/L		69	51 - 150
4,4'-DDE	0.500	0.330	MNR1	ug/L		66	49 - 138
4,4'-DDT	0.500	0.365	MNR1	ug/L		73	33 - 150
Dieldrin	0.500	0.345	MNR1	ug/L		69	49 - 136
Endosulfan I	0.500	0.350	MNR1	ug/L		70	10 - 150
Endosulfan II	0.500	0.345	MNR1	ug/L		69	11 - 150
Endosulfan sulfate	0.500	0.340	MNR1	ug/L		68	43 - 150
Endrin	0.500	0.355	MNR1	ug/L		71	54 - 150
Endrin aldehyde	0.500	0.350	MNR1	ug/L		70	50 - 150
Endrin ketone	0.500	0.380	MNR1	ug/L		76	50 - 147

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3065

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12C5592-BS1**

**Matrix: Water**

**Analysis Batch: V005175**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5592\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor	0.500	0.270	MNR1	ug/L		54	43 - 146
Heptachlor epoxide	0.500	0.335	MNR1	ug/L		67	50 - 136
Methoxychlor	0.500	0.385		ug/L		77	35 - 150

Surrogate	%Recovery	LCS Qualifier	LCS Limits
Tetrachloro-meta-xylene	58		38 - 150
Decachlorobiphenyl	67		10 - 141

**Lab Sample ID: 12C5592-BS2**

**Matrix: Water**

**Analysis Batch: V005175**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5592\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlordane	5.00	4.06	MNR1	ug/L		81	49 - 150
Toxaphene	10.0	9.48	MNR1	ug/L		95	34 - 150

Surrogate	%Recovery	LCS Qualifier	LCS Limits
Tetrachloro-meta-xylene	84		38 - 150
Decachlorobiphenyl	64		10 - 141

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

**Lab Sample ID: 12C5621-BS1**

**Matrix: Water**

**Analysis Batch: V005230**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5621\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1254	5.00	5.16	MNR1	ug/L		103	11 - 150

Surrogate	%Recovery	LCS Qualifier	LCS Limits
Tetrachloro-meta-xylene	93		17 - 142
Decachlorobiphenyl	87		10 - 149

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3065

## Pesticides

### Analysis Batch: V005175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5592-BLK1	Method Blank	Total	Water	SW846 8081B	12C5592_P
12C5592-BS1	Lab Control Sample	Total	Water	SW846 8081B	12C5592_P
12C5592-BS2	Lab Control Sample	Total	Water	SW846 8081B	12C5592_P
NWC3065-01	Tract 35 TW-7 (20-24)	Total	Ground Water	SW846 8081B	12C5592_P

### Analysis Batch: V005230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5621-BS1	Lab Control Sample	Total	Water	SW846 8082A	12C5621_P
NWC3065-01	Tract 35 TW-7 (20-24)	Total	Ground Water	SW846 8082A	12C5621_P

### Analysis Batch: V005259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC3065-01 - RE1	Tract 35 TW-7 (20-24)	Total	Ground Water	SW846 8081B	12C5592_P

### Prep Batch: 12C5592\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5592-BLK1	Method Blank	Total	Water	EPA 3510C	
12C5592-BS1	Lab Control Sample	Total	Water	EPA 3510C	
12C5592-BS2	Lab Control Sample	Total	Water	EPA 3510C	
NWC3065-01	Tract 35 TW-7 (20-24)	Total	Ground Water	EPA 3510C	
NWC3065-01 - RE1	Tract 35 TW-7 (20-24)	Total	Ground Water	EPA 3510C	

### Prep Batch: 12C5621\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5621-BS1	Lab Control Sample	Total	Water	EPA 3510C/3665A	
NWC3065-01	Tract 35 TW-7 (20-24)	Total	Ground Water	EPA 3510C/3665A	

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3065

**Client Sample ID: Tract 35 TW-7 (20-24)**

**Lab Sample ID: NWC3065-01**

**Date Collected: 03/21/12 16:30**

**Matrix: Ground Water**

**Date Received: 03/23/12 08:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C		1.00	12C5592_P	03/27/12 13:05	RCH2	TAL NSH
Total	Analysis	SW846 8081B		1.00	V005175	03/29/12 15:31	WAM	TAL NSH
Total	Prep	EPA 3510C/3665A		0.971	12C5621_P	03/27/12 13:05	RCH2	TAL NSH
Total	Analysis	SW846 8082A		1.00	V005230	03/30/12 13:05	WAM	TAL NSH
Total	Prep	EPA 3510C	RE1	1.00	12C5592_P	03/27/12 13:05	RCH2	TAL NSH
Total	Analysis	SW846 8081B	RE1	50.0	V005259	03/30/12 17:46	WAM	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3065

Method	Method Description	Protocol	Laboratory
SW846 8081B	Organochlorine Pesticides by EPA Method 8081B		TAL NSH
SW846 8082A	Polychlorinated Biphenyls by EPA Method 8082A		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Certification Summary

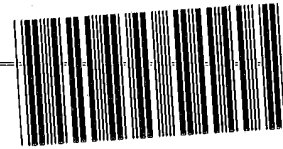
Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3065

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

## COOLER RECEIPT



NWC3065

Cooler Received/Opened On 3/23/2012@ 8:15

1. Tracking # 8870 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID 18290455

2. Temperature of rep. sample or temp blank when opened: 0.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) JH

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) J

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used? YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) J

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) J

I certify that I attached a label with the unique LIMS number to each container (initial) J

21. Were there Non-Conformance issues at login? YES...NO... Was a PIPE generated? YES...NO...#





# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NWC2754  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
4/5/2012 10:41:30 AM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWC2754-01	TRACT 35 SB-7 (0-2)	Soil	03/21/12 09:30	03/22/12 08:40
NWC2754-02	TRACT 35 SB-7 (20-24)	Soil	03/21/12 09:45	03/22/12 08:40
NWC2754-03	TRACT 35 TW-7 (20-24)	Ground Water	03/21/12 10:15	03/22/12 08:40
NWC2754-04	TRACT 35 SW-1	Ground Water	03/21/12 11:00	03/22/12 08:40
NWC2754-05	Trip Blank	Water	03/21/12 00:01	03/22/12 08:40
NWC2754-06	Trip Blank	Water	03/21/12 00:01	03/22/12 08:40



# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.

### GCMS Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

### Pesticides

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
P7	Sample filtered in lab.

### WetChem

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
R2	The RPD exceeded the acceptance limit.
HT3	Sample received with insufficient holding time remaining for analysis to be performed within the method's holding time requirements.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SB-7 (0-2)**

**Lab Sample ID: NWC2754-01**

**Date Collected: 03/21/12 09:30**

**Matrix: Soil**

**Date Received: 03/22/12 08:40**

**Percent Solids: 35.9**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.353</b>		0.192	0.0960	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
<b>Benzene</b>	<b>0.00514</b>	<b>J</b>	0.00768	0.00422	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Bromochloromethane	<0.00461		0.00768	0.00461	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Bromodichloromethane	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Bromoform	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Bromomethane	<0.00461		0.00768	0.00461	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
2-Butanone	<0.0960		0.192	0.0960	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
<b>Carbon disulfide</b>	<b>0.0240</b>		0.0192	0.0138	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Carbon Tetrachloride	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Chlorobenzene	<0.00422		0.00768	0.00422	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Chlorodibromomethane	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Chloroethane	<0.00960		0.0192	0.00960	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Chloroform	<0.00499		0.00768	0.00499	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Chloromethane	<0.00422		0.00768	0.00422	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Cyclohexane	<0.0192		0.0384	0.0192	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,2-Dibromo-3-chloropropane	<0.00960		0.0192	0.00960	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,2-Dibromoethane (EDB)	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Methylcyclohexane	<0.0192		0.0384	0.0192	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,2-Dichlorobenzene	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,3-Dichlorobenzene	<0.00461		0.00768	0.00461	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,4-Dichlorobenzene	<0.00422		0.00768	0.00422	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Dichlorodifluoromethane	<0.00537		0.00768	0.00537	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,2-Dichloroethane	<0.00422		0.00768	0.00422	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,1-Dichloroethane	<0.00499		0.00768	0.00499	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,1-Dichloroethene	<0.00461		0.00768	0.00461	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
trans-1,2-Dichloroethene	<0.00499		0.00768	0.00499	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,1,2-Trifluoroethane	<0.00422		0.00768	0.00422	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
cis-1,2-Dichloroethene	<0.00422		0.00768	0.00422	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,2-Dichloropropane	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
trans-1,3-Dichloropropene	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
cis-1,3-Dichloropropene	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
<b>Ethylbenzene</b>	<b>0.00672</b>	<b>J</b>	0.00768	0.00422	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
2-Hexanone	<0.0960		0.192	0.0960	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Isopropylbenzene	<0.00422		0.00768	0.00422	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Methyl Acetate	<0.0192		0.0384	0.0192	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Methyl tert-Butyl Ether	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Methylene Chloride	<0.0192		0.0384	0.0192	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
4-Methyl-2-pentanone	<0.0960		0.192	0.0960	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Styrene	<0.00422		0.00768	0.00422	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,1,2,2-Tetrachloroethane	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Tetrachloroethene	<0.00499		0.00768	0.00499	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
<b>Toluene</b>	<b>0.00626</b>	<b>J</b>	0.00768	0.00422	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,2,4-Trichlorobenzene	<0.00461		0.00768	0.00461	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,2,3-Trichlorobenzene	<0.00422		0.00768	0.00422	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,1,1-Trichloroethane	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
1,1,2-Trichloroethane	<0.00960		0.0192	0.00960	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Trichloroethene	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Trichlorofluoromethane	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Vinyl chloride	<0.00384		0.00768	0.00384	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00
Xylenes, total	<0.00960		0.0192	0.00960	mg/kg dry	☼	03/21/12 09:30	03/27/12 21:02	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SB-7 (0-2)**

**Lab Sample ID: NWC2754-01**

**Date Collected: 03/21/12 09:30**

**Matrix: Soil**

**Date Received: 03/22/12 08:40**

**Percent Solids: 35.9**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	109		70 - 130	03/21/12 09:30	03/27/12 21:02	1.00
Dibromofluoromethane	101		70 - 130	03/21/12 09:30	03/27/12 21:02	1.00
Toluene-d8	103		70 - 130	03/21/12 09:30	03/27/12 21:02	1.00
4-Bromofluorobenzene	112		70 - 130	03/21/12 09:30	03/27/12 21:02	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Acenaphthylene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Anthracene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Benzo (a) anthracene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Benzo (a) pyrene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Benzo (b) fluoranthene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Benzo (g,h,i) perylene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Benzo (k) fluoranthene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
4-Bromophenyl phenyl ether	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Butyl benzyl phthalate	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Carbazole	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
4-Chloro-3-methylphenol	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
4-Chloroaniline	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Bis(2-chloroethoxy)methane	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Bis(2-chloroethyl)ether	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Bis(2-chloroisopropyl)ether	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
2-Chloronaphthalene	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
2-Chlorophenol	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
4-Chlorophenyl phenyl ether	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Chrysene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Dibenz (a,h) anthracene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Dibenzofuran	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Di-n-butyl phthalate	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
1,4-Dichlorobenzene	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
1,2-Dichlorobenzene	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
1,3-Dichlorobenzene	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
3,3-Dichlorobenzidine	<0.453		1.81	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
2,4-Dichlorophenol	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Diethyl phthalate	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
2,4-Dimethylphenol	<0.521		0.903	0.521	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Dimethyl phthalate	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
4,6-Dinitro-2-methylphenol	<0.453	L	0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
2,4-Dinitrophenol	<0.453	L	0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
2,6-Dinitrotoluene	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
2,4-Dinitrotoluene	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Di-n-octyl phthalate	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Bis(2-ethylhexyl)phthalate	<0.453	L	0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Fluoranthene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Fluorene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Hexachlorobenzene	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Hexachlorobutadiene	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Hexachlorocyclopentadiene	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Hexachloroethane	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Indeno (1,2,3-cd) pyrene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Isophorone	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SB-7 (0-2)**

**Lab Sample ID: NWC2754-01**

**Date Collected: 03/21/12 09:30**

**Matrix: Soil**

**Date Received: 03/22/12 08:40**

**Percent Solids: 35.9**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
2-Methylphenol	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
3/4-Methylphenol	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Naphthalene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
3-Nitroaniline	<0.453		2.26	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
2-Nitroaniline	<0.453		2.26	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
4-Nitroaniline	<0.453		2.26	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Nitrobenzene	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
4-Nitrophenol	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
2-Nitrophenol	<0.531		0.903	0.531	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
N-Nitrosodiphenylamine	<0.496		0.903	0.496	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
N-Nitrosodi-n-propylamine	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Pentachlorophenol	<0.453		2.26	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Phenanthrene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Phenol	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
Pyrene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
1,2,4-Trichlorobenzene	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
2,4,6-Trichlorophenol	<0.453		0.903	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00
2,4,5-Trichlorophenol	<0.453		2.26	0.453	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:20	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	69		18 - 120	03/23/12 09:15	03/23/12 20:20	1.00
2,4,6-Tribromophenol	45		19 - 120	03/23/12 09:15	03/23/12 20:20	1.00
Phenol-d5	51		18 - 120	03/23/12 09:15	03/23/12 20:20	1.00
2-Fluorobiphenyl	47		14 - 120	03/23/12 09:15	03/23/12 20:20	1.00
2-Fluorophenol	52		17 - 120	03/23/12 09:15	03/23/12 20:20	1.00
Nitrobenzene-d5	53		17 - 120	03/23/12 09:15	03/23/12 20:20	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
delta-BHC	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
alpha-BHC	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
beta-BHC	<0.00228		0.00896	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
gamma-BHC (Lindane)	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
alpha-Chlordane	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
gamma-Chlordane	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
Chlordane	<0.0904		0.181	0.0904	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
4,4'-DDD	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
4,4'-DDE	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
4,4'-DDT	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
Dieldrin	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
Endosulfan I	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
Endosulfan II	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
Endosulfan sulfate	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
Endrin	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
Endrin aldehyde	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
Endrin ketone	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
Heptachlor	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
Heptachlor epoxide	<0.00228		0.00462	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
Methoxychlor	<0.00228		0.00896	0.00228	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SB-7 (0-2)**

**Lab Sample ID: NWC2754-01**

**Date Collected: 03/21/12 09:30**

**Matrix: Soil**

**Date Received: 03/22/12 08:40**

**Percent Solids: 35.9**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.115		0.181	0.115	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:00	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	84		21 - 145				03/29/12 09:00	03/30/12 18:00	1.00
Decachlorobiphenyl	84		25 - 150				03/29/12 09:00	03/30/12 18:00	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0573		0.0909	0.0573	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:20	1.00
PCB-1221	<0.0300		0.0909	0.0300	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:20	1.00
PCB-1232	<0.0437		0.0909	0.0437	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:20	1.00
PCB-1242	<0.0710		0.0909	0.0710	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:20	1.00
PCB-1248	<0.0819		0.0909	0.0819	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:20	1.00
PCB-1254	<0.0300		0.0909	0.0300	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:20	1.00
PCB-1260	<0.0764		0.0909	0.0764	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:20	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	78		19 - 147				03/23/12 05:35	03/23/12 16:20	1.00
Decachlorobiphenyl	78		20 - 150				03/23/12 05:35	03/23/12 16:20	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>12400</b>	<b>MHA</b>	54.8	27.4	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
Antimony	<13.7		27.4	13.7	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Arsenic</b>	<b>20.0</b>		2.74	1.37	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Barium</b>	<b>33.8</b>		5.48	2.74	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
Beryllium	<1.37		2.74	1.37	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
Cadmium	<1.37		2.74	1.37	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Calcium</b>	<b>95800</b>	<b>B MHA</b>	274	137	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Chromium</b>	<b>39.8</b>		2.74	1.37	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Cobalt</b>	<b>5.37</b>	<b>J</b>	8.21	4.11	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Copper</b>	<b>18.8</b>		5.48	2.74	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Iron</b>	<b>25600</b>	<b>MHA</b>	27.4	13.7	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Lead</b>	<b>33.9</b>		2.74	1.37	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Magnesium</b>	<b>8650</b>	<b>M7</b>	274	137	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Manganese</b>	<b>314</b>		8.21	4.11	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Nickel</b>	<b>19.0</b>		5.48	2.74	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Potassium</b>	<b>2800</b>		274	137	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
Selenium	<2.74		5.48	2.74	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
Silver	<1.37		2.74	1.37	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Sodium</b>	<b>11600</b>	<b>M8</b>	548	274	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
Thallium	<2.74		5.48	2.74	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Vanadium</b>	<b>45.4</b>		27.4	13.7	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00
<b>Zinc</b>	<b>88.7</b>		27.4	13.7	mg/kg dry	☼	03/30/12 03:26	04/04/12 02:57	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.38</b>	<b>M8</b>	0.27	0.13	mg/kg dry	☼	04/02/12 10:45	04/03/12 11:21	1.0

**Method: SW846 7196A - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<2.79		5.57	2.79	mg/kg dry	☼	03/30/12 12:40	03/31/12 08:15	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Client Sample ID: TRACT 35 SB-7 (0-2)

Lab Sample ID: NWC2754-01

Date Collected: 03/21/12 09:30

Matrix: Soil

Date Received: 03/22/12 08:40

Percent Solids: 35.9

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	35.9		0.500	0.500	%		03/22/12 14:42	03/23/12 09:41	1.00

## Client Sample ID: TRACT 35 SB-7 (20-24)

Lab Sample ID: NWC2754-02

Date Collected: 03/21/12 09:45

Matrix: Soil

Date Received: 03/22/12 08:40

Percent Solids: 71.8

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.142		0.0597	0.0298	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Benzene	0.00878		0.00239	0.00131	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Bromochloromethane	<0.00143		0.00239	0.00143	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Bromodichloromethane	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Bromoform	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Bromomethane	<0.00143		0.00239	0.00143	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
2-Butanone	0.0477	J	0.0597	0.0298	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Carbon disulfide	0.0208		0.00597	0.00430	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Carbon Tetrachloride	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Chlorobenzene	<0.00131		0.00239	0.00131	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Chlorodibromomethane	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Chloroethane	<0.00298		0.00597	0.00298	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Chloroform	<0.00155		0.00239	0.00155	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Chloromethane	<0.00131		0.00239	0.00131	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Cyclohexane	<0.00597		0.0119	0.00597	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,2-Dibromo-3-chloropropane	<0.00298		0.00597	0.00298	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,2-Dibromoethane (EDB)	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Methylcyclohexane	0.00801	J	0.0119	0.00597	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,2-Dichlorobenzene	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,3-Dichlorobenzene	<0.00143		0.00239	0.00143	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,4-Dichlorobenzene	<0.00131		0.00239	0.00131	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Dichlorodifluoromethane	<0.00167		0.00239	0.00167	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,2-Dichloroethane	<0.00131		0.00239	0.00131	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,1-Dichloroethane	<0.00155		0.00239	0.00155	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,1-Dichloroethene	<0.00143		0.00239	0.00143	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
trans-1,2-Dichloroethene	<0.00155		0.00239	0.00155	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,1,2-Trifluoroethane	<0.00131		0.00239	0.00131	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
cis-1,2-Dichloroethene	<0.00131		0.00239	0.00131	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,2-Dichloropropane	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
trans-1,3-Dichloropropene	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
cis-1,3-Dichloropropene	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Ethylbenzene	0.00605		0.00239	0.00131	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
2-Hexanone	<0.0298		0.0597	0.0298	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Isopropylbenzene	<0.00131		0.00239	0.00131	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Methyl Acetate	<0.00597		0.0119	0.00597	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Methyl tert-Butyl Ether	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Methylene Chloride	<0.00597		0.0119	0.00597	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
4-Methyl-2-pentanone	<0.0298		0.0597	0.0298	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Styrene	<0.00131		0.00239	0.00131	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,1,2,2-Tetrachloroethane	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Tetrachloroethene	<0.00155		0.00239	0.00155	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Toluene	0.00636		0.00239	0.00131	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,2,4-Trichlorobenzene	<0.00143		0.00239	0.00143	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SB-7 (20-24)**

**Lab Sample ID: NWC2754-02**

**Date Collected: 03/21/12 09:45**

**Matrix: Soil**

**Date Received: 03/22/12 08:40**

**Percent Solids: 71.8**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.00131		0.00239	0.00131	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,1,1-Trichloroethane	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
1,1,2-Trichloroethane	<0.00298		0.00597	0.00298	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Trichloroethene	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Trichlorofluoromethane	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Vinyl chloride	<0.00119		0.00239	0.00119	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00
Xylenes, total	<0.00298		0.00597	0.00298	mg/kg dry	☼	03/21/12 09:45	03/27/12 21:29	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		70 - 130	03/21/12 09:45	03/27/12 21:29	1.00
Dibromofluoromethane	97		70 - 130	03/21/12 09:45	03/27/12 21:29	1.00
Toluene-d8	102		70 - 130	03/21/12 09:45	03/27/12 21:29	1.00
4-Bromofluorobenzene	108		70 - 130	03/21/12 09:45	03/27/12 21:29	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Acenaphthylene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Anthracene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Benzo (a) anthracene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Benzo (a) pyrene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Benzo (b) fluoranthene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Benzo (g,h,i) perylene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Benzo (k) fluoranthene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
4-Bromophenyl phenyl ether	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Butyl benzyl phthalate	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Carbazole	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
4-Chloro-3-methylphenol	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
4-Chloroaniline	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Bis(2-chloroethoxy)methane	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Bis(2-chloroethyl)ether	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Bis(2-chloroisopropyl)ether	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2-Chloronaphthalene	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2-Chlorophenol	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
4-Chlorophenyl phenyl ether	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Chrysene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Dibenz (a,h) anthracene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Dibenzofuran	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Di-n-butyl phthalate	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
1,4-Dichlorobenzene	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
1,2-Dichlorobenzene	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
1,3-Dichlorobenzene	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
3,3-Dichlorobenzidine	<0.228		0.912	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2,4-Dichlorophenol	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Diethyl phthalate	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2,4-Dimethylphenol	<0.263		0.456	0.263	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Dimethyl phthalate	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
4,6-Dinitro-2-methylphenol	<0.228	L	0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2,4-Dinitrophenol	<0.228	L	0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2,6-Dinitrotoluene	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2,4-Dinitrotoluene	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SB-7 (20-24)**

**Lab Sample ID: NWC2754-02**

**Date Collected: 03/21/12 09:45**

**Matrix: Soil**

**Date Received: 03/22/12 08:40**

**Percent Solids: 71.8**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Bis(2-ethylhexyl)phthalate	<0.228	L	0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Fluoranthene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Fluorene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Hexachlorobenzene	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Hexachlorobutadiene	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Hexachlorocyclopentadiene	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Hexachloroethane	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Indeno (1,2,3-cd) pyrene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Isophorone	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2-Methylnaphthalene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2-Methylphenol	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
3/4-Methylphenol	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Naphthalene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
3-Nitroaniline	<0.228		1.14	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2-Nitroaniline	<0.228		1.14	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
4-Nitroaniline	<0.228		1.14	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Nitrobenzene	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
4-Nitrophenol	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2-Nitrophenol	<0.268		0.456	0.268	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
N-Nitrosodiphenylamine	<0.250		0.456	0.250	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
N-Nitrosodi-n-propylamine	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Pentachlorophenol	<0.228		1.14	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Phenanthrene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Phenol	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
Pyrene	<0.0465		0.0917	0.0465	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
1,2,4-Trichlorobenzene	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2,4,6-Trichlorophenol	<0.228		0.456	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00
2,4,5-Trichlorophenol	<0.228		1.14	0.228	mg/kg dry	☼	03/23/12 09:15	03/23/12 20:43	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	78		18 - 120	03/23/12 09:15	03/23/12 20:43	1.00
2,4,6-Tribromophenol	48		19 - 120	03/23/12 09:15	03/23/12 20:43	1.00
Phenol-d5	57		18 - 120	03/23/12 09:15	03/23/12 20:43	1.00
2-Fluorobiphenyl	55		14 - 120	03/23/12 09:15	03/23/12 20:43	1.00
2-Fluorophenol	57		17 - 120	03/23/12 09:15	03/23/12 20:43	1.00
Nitrobenzene-d5	58		17 - 120	03/23/12 09:15	03/23/12 20:43	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
delta-BHC	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
alpha-BHC	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
beta-BHC	<0.00116		0.00457	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
gamma-BHC (Lindane)	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
alpha-Chlordane	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
gamma-Chlordane	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
Chlordane	<0.0461		0.0924	0.0461	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
4,4'-DDD	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
4,4'-DDE	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
4,4'-DDT	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SB-7 (20-24)**

**Lab Sample ID: NWC2754-02**

**Date Collected: 03/21/12 09:45**

**Matrix: Soil**

**Date Received: 03/22/12 08:40**

**Percent Solids: 71.8**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
Endosulfan I	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
Endosulfan II	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
Endosulfan sulfate	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
Endrin	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
Endrin aldehyde	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
Endrin ketone	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
Heptachlor	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
Heptachlor epoxide	<0.00116		0.00235	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
Methoxychlor	<0.00116		0.00457	0.00116	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
Toxaphene	<0.0584		0.0924	0.0584	mg/kg dry	☼	03/29/12 09:00	03/30/12 18:15	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	80		21 - 145				03/29/12 09:00	03/30/12 18:15	1.00
Decachlorobiphenyl	86		25 - 150				03/29/12 09:00	03/30/12 18:15	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0286		0.0453	0.0286	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:41	1.00
PCB-1221	<0.0150		0.0453	0.0150	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:41	1.00
PCB-1232	<0.0218		0.0453	0.0218	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:41	1.00
PCB-1242	<0.0354		0.0453	0.0354	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:41	1.00
PCB-1248	<0.0409		0.0453	0.0409	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:41	1.00
PCB-1254	<0.0150		0.0453	0.0150	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:41	1.00
PCB-1260	<0.0381		0.0453	0.0381	mg/kg dry	☼	03/23/12 05:35	03/23/12 16:41	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	88		19 - 147				03/23/12 05:35	03/23/12 16:41	1.00
Decachlorobiphenyl	90		20 - 150				03/23/12 05:35	03/23/12 16:41	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>2720</b>		27.2	13.6	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
Antimony	<6.80		13.6	6.80	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Arsenic</b>	<b>6.34</b>		1.36	0.680	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Barium</b>	<b>7.83</b>		2.72	1.36	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
Beryllium	<0.680		1.36	0.680	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
Cadmium	<0.680		1.36	0.680	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Calcium</b>	<b>67900</b>	<b>B</b>	136	68.0	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Chromium</b>	<b>29.0</b>		1.36	0.680	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
Cobalt	<2.04		4.08	2.04	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Copper</b>	<b>5.71</b>		2.72	1.36	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Iron</b>	<b>3930</b>		13.6	6.80	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Lead</b>	<b>2.04</b>		1.36	0.680	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Magnesium</b>	<b>1980</b>		136	68.0	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Manganese</b>	<b>71.0</b>		4.08	2.04	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Nickel</b>	<b>17.4</b>		2.72	1.36	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Potassium</b>	<b>677</b>		136	68.0	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Selenium</b>	<b>1.79</b>	<b>J</b>	2.72	1.36	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
Silver	<0.680		1.36	0.680	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
<b>Sodium</b>	<b>3470</b>		272	136	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
Thallium	<1.36		2.72	1.36	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SB-7 (20-24)**

**Lab Sample ID: NWC2754-02**

Date Collected: 03/21/12 09:45

Matrix: Soil

Date Received: 03/22/12 08:40

Percent Solids: 71.8

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	15.7		13.6	6.80	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00
Zinc	31.7		13.6	6.80	mg/kg dry	☼	03/30/12 03:26	04/04/12 03:18	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.068		0.14	0.068	mg/kg dry	☼	04/02/12 10:45	04/03/12 11:27	1.0

**Method: SW846 7196A - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<1.39		2.78	1.39	mg/kg dry	☼	03/30/12 12:40	03/31/12 08:15	1.00

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	71.8		0.500	0.500	%		03/22/12 14:42	03/23/12 09:41	1.00

**Client Sample ID: TRACT 35 TW-7 (20-24)**

**Lab Sample ID: NWC2754-03**

Date Collected: 03/21/12 10:15

Matrix: Ground Water

Date Received: 03/22/12 08:40

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 TW-7 (20-24)**

**Lab Sample ID: NWC2754-03**

**Date Collected: 03/21/12 10:15**

**Matrix: Ground Water**

**Date Received: 03/22/12 08:40**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 18:21	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/22/12 12:23	03/22/12 18:21	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130	03/22/12 12:23	03/22/12 18:21	1.00
Dibromofluoromethane	99		70 - 130	03/22/12 12:23	03/22/12 18:21	1.00
Toluene-d8	105		70 - 130	03/22/12 12:23	03/22/12 18:21	1.00
4-Bromofluorobenzene	102		70 - 130	03/22/12 12:23	03/22/12 18:21	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Acenaphthylene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Anthracene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Benzo (a) anthracene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Benzo (a) pyrene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Benzo (b) fluoranthene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Benzo (g,h,i) perylene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Benzo (k) fluoranthene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
4-Bromophenyl phenyl ether	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Butyl benzyl phthalate	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Carbazole	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
4-Chloro-3-methylphenol	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
4-Chloroaniline	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Bis(2-chloroethoxy)methane	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Bis(2-chloroethyl)ether	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Bis(2-chloroisopropyl)ether	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2-Chloronaphthalene	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2-Chlorophenol	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
4-Chlorophenyl phenyl ether	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Chrysene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Dibenz (a,h) anthracene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Dibenzofuran	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Di-n-butyl phthalate	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 TW-7 (20-24)**

**Lab Sample ID: NWC2754-03**

**Date Collected: 03/21/12 10:15**

**Matrix: Ground Water**

**Date Received: 03/22/12 08:40**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
1,2-Dichlorobenzene	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
1,3-Dichlorobenzene	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
3,3-Dichlorobenzidine	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2,4-Dichlorophenol	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Diethyl phthalate	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2,4-Dimethylphenol	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Dimethyl phthalate	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
4,6-Dinitro-2-methylphenol	<12.5		24.0	12.5	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2,4-Dinitrophenol	<12.5		24.0	12.5	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2,6-Dinitrotoluene	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2,4-Dinitrotoluene	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Di-n-octyl phthalate	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
<b>Bis(2-ethylhexyl)phthalate</b>	<b>72.6</b>		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Fluoranthene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Fluorene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Hexachlorobenzene	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Hexachlorobutadiene	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Hexachlorocyclopentadiene	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Hexachloroethane	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Indeno (1,2,3-cd) pyrene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Isophorone	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2-Methylnaphthalene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2-Methylphenol	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Naphthalene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
3/4-Methylphenol	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
3-Nitroaniline	<12.5		24.0	12.5	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2-Nitroaniline	<12.5		24.0	12.5	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
4-Nitroaniline	<12.5		24.0	12.5	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Nitrobenzene	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
4-Nitrophenol	<4.81		24.0	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2-Nitrophenol	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
N-Nitrosodiphenylamine	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
N-Nitrosodi-n-propylamine	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Pentachlorophenol	<12.5		24.0	12.5	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Phenanthrene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Phenol	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
Pyrene	<0.962		1.92	0.962	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
1,2,4-Trichlorobenzene	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2,4,6-Trichlorophenol	<4.81		9.62	4.81	ug/L		03/26/12 05:30	03/26/12 14:12	1.00
2,4,5-Trichlorophenol	<12.5		24.0	12.5	ug/L		03/26/12 05:30	03/26/12 14:12	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	88		13 - 120	03/26/12 05:30	03/26/12 14:12	1.00
2,4,6-Tribromophenol	72		10 - 120	03/26/12 05:30	03/26/12 14:12	1.00
Phenol-d5	39		10 - 120	03/26/12 05:30	03/26/12 14:12	1.00
2-Fluorobiphenyl	68		29 - 120	03/26/12 05:30	03/26/12 14:12	1.00
2-Fluorophenol	56		10 - 120	03/26/12 05:30	03/26/12 14:12	1.00
Nitrobenzene-d5	73		27 - 120	03/26/12 05:30	03/26/12 14:12	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 TW-7 (20-24)**

**Lab Sample ID: NWC2754-03**

Date Collected: 03/21/12 10:15

Matrix: Ground Water

Date Received: 03/22/12 08:40

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.500	P7	1.00	0.500	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Antimony	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Arsenic	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
<b>Barium</b>	<b>0.0660</b>	<b>J P7</b>	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Beryllium	<0.0200	P7	0.0400	0.0200	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Cadmium	<0.00600	P7	0.0100	0.00600	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
<b>Calcium</b>	<b>240</b>	<b>P7</b>	10.0	5.00	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Chromium	<0.0250	P7	0.0500	0.0250	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Cobalt	<0.100	P7	0.200	0.100	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Copper	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
<b>Iron</b>	<b>0.293</b>	<b>J P7</b>	0.500	0.250	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Lead	<0.0250	P7	0.0500	0.0250	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
<b>Magnesium</b>	<b>704</b>	<b>P7</b>	10.0	5.00	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
<b>Manganese</b>	<b>0.249</b>	<b>P7</b>	0.150	0.0750	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Nickel	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
<b>Potassium</b>	<b>208</b>	<b>P7</b>	10.0	5.00	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Selenium	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Silver	<0.0250	P7	0.0500	0.0250	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
<b>Sodium</b>	<b>6260</b>	<b>P7</b>	100	50.0	mg/L		04/02/12 08:15	04/04/12 12:03	100
Thallium	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Vanadium	<0.100	P7	0.200	0.100	mg/L		04/02/12 08:15	04/04/12 11:59	10.0
Zinc	<0.250	P7	0.500	0.250	mg/L		04/02/12 08:15	04/04/12 11:59	10.0

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>4.02</b>		0.100	0.0500	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
<b>Barium</b>	<b>0.0749</b>		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
<b>Calcium</b>	<b>236</b>		1.00	0.500	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
<b>Chromium</b>	<b>0.0817</b>		0.00500	0.00250	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
<b>Copper</b>	<b>0.0232</b>		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
<b>Iron</b>	<b>14.1</b>	<b>B</b>	0.0500	0.0250	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
<b>Lead</b>	<b>0.00870</b>		0.00500	0.00250	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
<b>Magnesium</b>	<b>754</b>		10.0	5.00	mg/L		04/01/12 10:00	04/04/12 11:31	10.0
<b>Manganese</b>	<b>0.608</b>		0.0150	0.00750	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
<b>Nickel</b>	<b>0.0527</b>		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
<b>Potassium</b>	<b>240</b>		10.0	5.00	mg/L		04/01/12 10:00	04/04/12 11:31	10.0
Selenium	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
<b>Sodium</b>	<b>5860</b>		100	50.0	mg/L		04/01/12 10:00	04/04/12 16:43	100
Thallium	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
<b>Vanadium</b>	<b>0.0135</b>	<b>J</b>	0.0200	0.0100	mg/L		04/01/12 10:00	04/03/12 23:06	1.00
<b>Zinc</b>	<b>0.284</b>		0.0500	0.0250	mg/L		04/01/12 10:00	04/03/12 23:06	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		03/23/12 09:40	03/23/12 15:26	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Client Sample ID: TRACT 35 TW-7 (20-24)

Lab Sample ID: NWC2754-03

Date Collected: 03/21/12 10:15

Matrix: Ground Water

Date Received: 03/22/12 08:40

### Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/27/12 12:10	03/28/12 14:08	1.00

### Method: SW846 7196A - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<0.00500	HT3	0.0100	0.00500	mg/L		03/22/12 14:15	03/22/12 14:15	1.00

## Client Sample ID: TRACT 35 SW-1

Lab Sample ID: NWC2754-04

Date Collected: 03/21/12 11:00

Matrix: Ground Water

Date Received: 03/22/12 08:40

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,1,2-Trifluoroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SW-1**

**Lab Sample ID: NWC2754-04**

**Date Collected: 03/21/12 11:00**

**Matrix: Ground Water**

**Date Received: 03/22/12 08:40**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 22:00	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/22/12 12:23	03/22/12 22:00	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130	03/22/12 12:23	03/22/12 22:00	1.00
Dibromofluoromethane	99		70 - 130	03/22/12 12:23	03/22/12 22:00	1.00
Toluene-d8	105		70 - 130	03/22/12 12:23	03/22/12 22:00	1.00
4-Bromofluorobenzene	102		70 - 130	03/22/12 12:23	03/22/12 22:00	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Acenaphthylene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Anthracene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Benzo (a) anthracene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Benzo (a) pyrene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Benzo (b) fluoranthene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Benzo (g,h,i) perylene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Benzo (k) fluoranthene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
4-Bromophenyl phenyl ether	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Butyl benzyl phthalate	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Carbazole	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
4-Chloro-3-methylphenol	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
4-Chloroaniline	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Bis(2-chloroethoxy)methane	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Bis(2-chloroethyl)ether	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Bis(2-chloroisopropyl)ether	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2-Chloronaphthalene	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2-Chlorophenol	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
4-Chlorophenyl phenyl ether	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Chrysene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Dibenz (a,h) anthracene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Dibenzofuran	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Di-n-butyl phthalate	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
1,4-Dichlorobenzene	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
1,2-Dichlorobenzene	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
1,3-Dichlorobenzene	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
3,3-Dichlorobenzidine	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2,4-Dichlorophenol	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Diethyl phthalate	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2,4-Dimethylphenol	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Dimethyl phthalate	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SW-1**

**Lab Sample ID: NWC2754-04**

**Date Collected: 03/21/12 11:00**

**Matrix: Ground Water**

**Date Received: 03/22/12 08:40**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	<12.4		23.8	12.4	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2,4-Dinitrophenol	<12.4		23.8	12.4	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2,6-Dinitrotoluene	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2,4-Dinitrotoluene	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Di-n-octyl phthalate	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Bis(2-ethylhexyl)phthalate	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Fluoranthene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Fluorene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Hexachlorobenzene	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Hexachlorobutadiene	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Hexachlorocyclopentadiene	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Hexachloroethane	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Indeno (1,2,3-cd) pyrene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Isophorone	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2-Methylnaphthalene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2-Methylphenol	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Naphthalene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
3/4-Methylphenol	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
3-Nitroaniline	<12.4		23.8	12.4	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2-Nitroaniline	<12.4		23.8	12.4	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
4-Nitroaniline	<12.4		23.8	12.4	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Nitrobenzene	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
4-Nitrophenol	<4.76		23.8	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2-Nitrophenol	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
N-Nitrosodiphenylamine	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
N-Nitrosodi-n-propylamine	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Pentachlorophenol	<12.4		23.8	12.4	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Phenanthrene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Phenol	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
Pyrene	<0.952		1.90	0.952	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
1,2,4-Trichlorobenzene	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2,4,6-Trichlorophenol	<4.76		9.52	4.76	ug/L		03/26/12 05:30	03/26/12 14:32	1.00
2,4,5-Trichlorophenol	<12.4		23.8	12.4	ug/L		03/26/12 05:30	03/26/12 14:32	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	89		13 - 120	03/26/12 05:30	03/26/12 14:32	1.00
2,4,6-Tribromophenol	63		10 - 120	03/26/12 05:30	03/26/12 14:32	1.00
Phenol-d5	30		10 - 120	03/26/12 05:30	03/26/12 14:32	1.00
2-Fluorobiphenyl	59		29 - 120	03/26/12 05:30	03/26/12 14:32	1.00
2-Fluorophenol	44		10 - 120	03/26/12 05:30	03/26/12 14:32	1.00
Nitrobenzene-d5	66		27 - 120	03/26/12 05:30	03/26/12 14:32	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
delta-BHC	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
alpha-BHC	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
beta-BHC	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
gamma-BHC (Lindane)	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
alpha-Chlordane	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
gamma-Chlordane	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SW-1**

**Lab Sample ID: NWC2754-04**

**Date Collected: 03/21/12 11:00**

**Matrix: Ground Water**

**Date Received: 03/22/12 08:40**

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane	<0.962		1.92	0.962	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
4,4'-DDD	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
4,4'-DDE	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
4,4'-DDT	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
Dieldrin	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
Endosulfan I	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
Endosulfan II	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
Endosulfan sulfate	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
Endrin	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
Endrin aldehyde	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
Endrin ketone	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
Heptachlor	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
Heptachlor epoxide	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
Methoxychlor	<0.0125		0.0240	0.0125	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
Toxaphene	<0.962		1.92	0.962	ug/L		03/22/12 15:05	03/23/12 12:58	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	104		38 - 150				03/22/12 15:05	03/23/12 12:58	1.00
Decachlorobiphenyl	54		10 - 141				03/22/12 15:05	03/23/12 12:58	1.00

**Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.248		0.495	0.248	ug/L		03/22/12 15:05	03/23/12 11:18	1.00
PCB-1221	<0.248		0.495	0.248	ug/L		03/22/12 15:05	03/23/12 11:18	1.00
PCB-1232	<0.248		0.495	0.248	ug/L		03/22/12 15:05	03/23/12 11:18	1.00
PCB-1242	<0.248		0.495	0.248	ug/L		03/22/12 15:05	03/23/12 11:18	1.00
PCB-1248	<0.248		0.495	0.248	ug/L		03/22/12 15:05	03/23/12 11:18	1.00
PCB-1254	<0.248		0.495	0.248	ug/L		03/22/12 15:05	03/23/12 11:18	1.00
PCB-1260	<0.248		0.495	0.248	ug/L		03/22/12 15:05	03/23/12 11:18	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	100		17 - 142				03/22/12 15:05	03/23/12 11:18	1.00
Decachlorobiphenyl	54		10 - 149				03/22/12 15:05	03/23/12 11:18	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.500	P7	1.00	0.500	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Antimony	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Arsenic	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Barium	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Beryllium	<0.0200	P7	0.0400	0.0200	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Cadmium	<0.00600	P7	0.0100	0.00600	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
<b>Calcium</b>	<b>242</b>	<b>P7</b>	10.0	5.00	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Chromium	<0.0250	P7	0.0500	0.0250	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Cobalt	<0.100	P7	0.200	0.100	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Copper	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Iron	<0.250	P7	0.500	0.250	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Lead	<0.0250	P7	0.0500	0.0250	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
<b>Magnesium</b>	<b>748</b>	<b>P7</b>	10.0	5.00	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Manganese	<0.0750	P7	0.150	0.0750	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Nickel	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
<b>Potassium</b>	<b>220</b>	<b>P7</b>	10.0	5.00	mg/L		04/02/12 08:15	04/04/12 12:06	10.0

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SW-1**

**Lab Sample ID: NWC2754-04**

Date Collected: 03/21/12 11:00

Matrix: Ground Water

Date Received: 03/22/12 08:40

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Silver	<0.0250	P7	0.0500	0.0250	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
<b>Sodium</b>	<b>5980</b>	<b>P7</b>	100	50.0	mg/L		04/02/12 08:15	04/04/12 12:09	100
Thallium	<0.0500	P7	0.100	0.0500	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Vanadium	<0.100	P7	0.200	0.100	mg/L		04/02/12 08:15	04/04/12 12:06	10.0
Zinc	<0.250	P7	0.500	0.250	mg/L		04/02/12 08:15	04/04/12 12:06	10.0

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.172</b>		0.100	0.0500	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
<b>Barium</b>	<b>0.0189</b>		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
<b>Calcium</b>	<b>210</b>		1.00	0.500	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
<b>Iron</b>	<b>0.252</b>	<b>B</b>	0.0500	0.0250	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
<b>Magnesium</b>	<b>682</b>		10.0	5.00	mg/L		04/01/12 10:00	04/04/12 11:34	10.0
<b>Manganese</b>	<b>0.0218</b>		0.0150	0.00750	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
<b>Potassium</b>	<b>217</b>		10.0	5.00	mg/L		04/01/12 10:00	04/04/12 11:34	10.0
Selenium	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
<b>Sodium</b>	<b>5590</b>		100	50.0	mg/L		04/01/12 10:00	04/04/12 16:46	100
Thallium	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		04/01/12 10:00	04/03/12 23:09	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		04/01/12 10:00	04/03/12 23:09	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		03/23/12 09:40	03/23/12 15:28	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/27/12 12:10	03/28/12 14:15	1.00

**Method: SW846 7196A - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chromium (VI)</b>	<b>0.00920</b>	<b>J HT3</b>	0.0100	0.00500	mg/L		03/22/12 14:18	03/22/12 14:18	1.00

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC2754-05**

Date Collected: 03/21/12 00:01

Matrix: Water

Date Received: 03/22/12 08:40

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC2754-05**

**Date Collected: 03/21/12 00:01**

**Matrix: Water**

**Date Received: 03/22/12 08:40**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,1,2-Trifluorotrichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:26	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/22/12 12:23	03/22/12 17:26	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130	03/22/12 12:23	03/22/12 17:26	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC2754-05**

**Date Collected: 03/21/12 00:01**

**Matrix: Water**

**Date Received: 03/22/12 08:40**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	102		70 - 130	03/22/12 12:23	03/22/12 17:26	1.00
Toluene-d8	106		70 - 130	03/22/12 12:23	03/22/12 17:26	1.00
4-Bromofluorobenzene	101		70 - 130	03/22/12 12:23	03/22/12 17:26	1.00

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC2754-06**

**Date Collected: 03/21/12 00:01**

**Matrix: Water**

**Date Received: 03/22/12 08:40**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,1,2-Trifluoroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC2754-06**

**Date Collected: 03/21/12 00:01**

**Matrix: Water**

**Date Received: 03/22/12 08:40**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/22/12 12:23	03/22/12 17:54	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	100		70 - 130				03/22/12 12:23	03/22/12 17:54	1.00
Dibromofluoromethane	99		70 - 130				03/22/12 12:23	03/22/12 17:54	1.00
Toluene-d8	100		70 - 130				03/22/12 12:23	03/22/12 17:54	1.00
4-Bromofluorobenzene	102		70 - 130				03/22/12 12:23	03/22/12 17:54	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 12C3559-BLK1**

**Matrix: Water**

**Analysis Batch: V004867**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C3559\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/16/12 16:52	03/22/12 13:20	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C3559-BLK1**

**Matrix: Water**

**Analysis Batch: V004867**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C3559\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<1.50		3.00	1.50	ug/L		03/16/12 16:52	03/22/12 13:20	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		70 - 130	03/16/12 16:52	03/22/12 13:20	1.00
Dibromofluoromethane	101		70 - 130	03/16/12 16:52	03/22/12 13:20	1.00
Toluene-d8	100		70 - 130	03/16/12 16:52	03/22/12 13:20	1.00
4-Bromofluorobenzene	104		70 - 130	03/16/12 16:52	03/22/12 13:20	1.00

**Lab Sample ID: 12C3559-BS1**

**Matrix: Water**

**Analysis Batch: V004867**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C3559\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	121		ug/L		121	54 - 145
Benzene	20.0	22.0		ug/L		110	80 - 121
Bromochloromethane	20.0	20.3		ug/L		101	78 - 129
Bromodichloromethane	20.0	18.5		ug/L		92	75 - 129
Bromoform	20.0	19.4		ug/L		97	46 - 145
Bromomethane	20.0	21.1		ug/L		105	41 - 150
2-Butanone	100	114		ug/L		114	62 - 133
Carbon disulfide	20.0	18.9		ug/L		95	77 - 126
Carbon Tetrachloride	20.0	18.9		ug/L		94	64 - 147
Chlorobenzene	20.0	21.9		ug/L		109	80 - 120
Chlorodibromomethane	20.0	19.3		ug/L		97	69 - 133
Chloroethane	20.0	20.9		ug/L		105	72 - 120
Chloroform	20.0	22.2		ug/L		111	73 - 129
Chloromethane	20.0	27.8		ug/L		139	12 - 150
Cyclohexane	20.0	23.8		ug/L		119	73 - 122
1,2-Dibromo-3-chloropropane	20.0	21.2		ug/L		106	54 - 125
1,2-Dibromoethane (EDB)	20.0	20.6		ug/L		103	80 - 129
Methylcyclohexane	20.0	24.3		ug/L		122	71 - 129
1,2-Dichlorobenzene	20.0	22.1		ug/L		111	80 - 121
1,3-Dichlorobenzene	20.0	21.7		ug/L		109	80 - 122
1,4-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
Dichlorodifluoromethane	20.0	20.8		ug/L		104	37 - 127
1,2-Dichloroethane	20.0	22.0		ug/L		110	77 - 121
1,1-Dichloroethane	20.0	22.0		ug/L		110	78 - 125
1,1-Dichloroethene	20.0	21.0		ug/L		105	79 - 124
trans-1,2-Dichloroethene	20.0	21.5		ug/L		108	79 - 126
1,1,2-Trifluoro-trichloroethane	20.0	21.5		ug/L		108	77 - 129
cis-1,2-Dichloroethene	20.0	21.7		ug/L		109	76 - 125
1,2-Dichloropropane	20.0	21.4		ug/L		107	75 - 120
trans-1,3-Dichloropropene	20.0	18.0		ug/L		90	63 - 134
cis-1,3-Dichloropropene	20.0	21.2		ug/L		106	74 - 140
Ethylbenzene	20.0	22.7		ug/L		114	80 - 130
2-Hexanone	100	103		ug/L		103	60 - 142
Isopropylbenzene	20.0	23.4		ug/L		117	80 - 141
Methyl Acetate	20.0	29.9		ug/L		149	64 - 150
Methyl tert-Butyl Ether	20.0	23.9		ug/L		120	72 - 133

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C3559-BS1**

**Matrix: Water**

**Analysis Batch: V004867**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C3559\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Methylene Chloride	20.0	21.6		ug/L		108		79 - 123
4-Methyl-2-pentanone	100	124		ug/L		124		60 - 137
Styrene	20.0	20.9		ug/L		104		80 - 127
1,1,1,2-Tetrachloroethane	20.0	19.8		ug/L		99		69 - 131
Tetrachloroethene	20.0	21.6		ug/L		108		80 - 126
Toluene	20.0	21.9		ug/L		109		80 - 126
1,2,4-Trichlorobenzene	20.0	19.6		ug/L		98		63 - 133
1,2,3-Trichlorobenzene	20.0	19.6		ug/L		98		62 - 133
1,1,1-Trichloroethane	20.0	20.3		ug/L		101		78 - 135
1,1,2-Trichloroethane	20.0	22.7		ug/L		113		80 - 124
Trichloroethene	20.0	21.9		ug/L		109		80 - 123
Trichlorofluoromethane	20.0	19.2		ug/L		96		65 - 124
Vinyl chloride	20.0	19.3		ug/L		97		68 - 120
Xylenes, total	60.0	68.0		ug/L		113		80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	103		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	102		70 - 130

**Lab Sample ID: 12C3559-MS1**

**Matrix: Water**

**Analysis Batch: V004867**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C3559\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	Limits
Acetone	<250		2500	2270		ug/L		91		45 - 141
Benzene	<5.00		500	470		ug/L		94		75 - 133
Bromochloromethane	<5.00		500	440		ug/L		88		67 - 139
Bromodichloromethane	<5.00		500	433		ug/L		87		70 - 140
Bromoform	<5.00		500	443		ug/L		89		42 - 147
Bromomethane	<5.00		500	300		ug/L		60		16 - 163
2-Butanone	<250		2500	2370		ug/L		95		50 - 138
Carbon disulfide	20.2		500	242	M8	ug/L		44		48 - 152
Carbon Tetrachloride	39.3		500	420		ug/L		76		62 - 164
Chlorobenzene	<5.00		500	499		ug/L		100		80 - 129
Chlorodibromomethane	<5.00		500	443		ug/L		89		66 - 140
Chloroethane	<5.00		500	392		ug/L		78		58 - 137
Chloroform	<5.00		500	517		ug/L		103		66 - 138
Chloromethane	<5.00		500	477		ug/L		95		10 - 169
Cyclohexane	<25.0		500	438		ug/L		88		58 - 144
1,2-Dibromo-3-chloropropane	<50.0		500	403		ug/L		81		52 - 126
1,2-Dibromoethane (EDB)	<5.00		500	442		ug/L		88		75 - 137
Methylcyclohexane	<25.0		500	462		ug/L		92		59 - 151
1,2-Dichlorobenzene	<5.00		500	523		ug/L		105		79 - 128
1,3-Dichlorobenzene	<5.00		500	510		ug/L		102		77 - 131
1,4-Dichlorobenzene	<5.00		500	499		ug/L		100		78 - 126
Dichlorodifluoromethane	<6.00		500	288		ug/L		58		40 - 127
1,2-Dichloroethane	8.00		500	483		ug/L		95		64 - 136

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C3559-MS1**

**Matrix: Water**

**Analysis Batch: V004867**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C3559\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
1,1-Dichloroethane	18.2		500	508		ug/L		98	71 - 139	
1,1-Dichloroethene	431		500	862		ug/L		86	70 - 142	
trans-1,2-Dichloroethene	<5.00		500	420		ug/L		84	66 - 143	
1,1,2-Trifluoroethane	<5.00		500	466		ug/L		93	72 - 148	
cis-1,2-Dichloroethene	<5.00		500	483		ug/L		97	68 - 138	
1,2-Dichloropropane	<5.00		500	506		ug/L		101	67 - 131	
trans-1,3-Dichloropropene	<5.00		500	373		ug/L		75	59 - 135	
cis-1,3-Dichloropropene	18.8		500	462		ug/L		89	71 - 141	
Ethylbenzene	<5.00		500	528		ug/L		106	79 - 139	
2-Hexanone	<50.0		2500	2190		ug/L		88	50 - 150	
Isopropylbenzene	5.60		500	561		ug/L		111	80 - 153	
Methyl Acetate	<50.0		500	654		ug/L		131	30 - 165	
Methyl tert-Butyl Ether	<5.00		500	505		ug/L		101	66 - 141	
Methylene Chloride	<25.0		500	440		ug/L		88	64 - 139	
4-Methyl-2-pentanone	<50.0		2500	2810		ug/L		112	50 - 147	
Styrene	<5.00		500	480		ug/L		96	61 - 148	
1,1,2,2-Tetrachloroethane	<5.00		500	446		ug/L		89	56 - 143	
Tetrachloroethene	<5.00		500	447		ug/L		89	72 - 145	
Toluene	<5.00		500	484		ug/L		97	75 - 136	
1,2,4-Trichlorobenzene	18.6		500	382		ug/L		73	60 - 136	
1,2,3-Trichlorobenzene	19.8		500	326		ug/L		61	55 - 138	
1,1,1-Trichloroethane	113		500	562		ug/L		90	76 - 149	
1,1,2-Trichloroethane	<5.00		500	532		ug/L		106	74 - 134	
Trichloroethene	76.3		500	564		ug/L		98	73 - 144	
Trichlorofluoromethane	<5.00		500	379		ug/L		76	58 - 139	
Vinyl chloride	<5.00		500	349		ug/L		70	56 - 129	
Xylenes, total	<15.0		1500	1540		ug/L		103	74 - 141	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
1,2-Dichloroethane-d4	97		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	101		70 - 130
4-Bromofluorobenzene	99		70 - 130

**Lab Sample ID: 12C3559-MSD1**

**Matrix: Water**

**Analysis Batch: V004867**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C3559\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Acetone	<250		2500	2080		ug/L		83	45 - 141	8	21
Benzene	<5.00		500	456		ug/L		91	75 - 133	3	17
Bromochloromethane	<5.00		500	418		ug/L		84	67 - 139	5	17
Bromodichloromethane	<5.00		500	422		ug/L		84	70 - 140	3	18
Bromoform	<5.00		500	440		ug/L		88	42 - 147	0.6	16
Bromomethane	<5.00		500	322		ug/L		64	16 - 163	7	50
2-Butanone	<250		2500	2250		ug/L		90	50 - 138	5	19
Carbon disulfide	20.2		500	242	M8	ug/L		44	48 - 152	0.3	21
Carbon Tetrachloride	39.3		500	412		ug/L		75	62 - 164	2	19
Chlorobenzene	<5.00		500	492		ug/L		98	80 - 129	1	14

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 12C3559-MSD1

Matrix: Water

Analysis Batch: V004867

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 12C3559\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Chlorodibromomethane	<5.00		500	433		ug/L		87	66 - 140	2	15	
Chloroethane	<5.00		500	367		ug/L		73	58 - 137	7	20	
Chloroform	<5.00		500	500		ug/L		100	66 - 138	3	18	
Chloromethane	<5.00		500	438		ug/L		88	10 - 169	9	31	
Cyclohexane	<25.0		500	421		ug/L		84	58 - 144	4	16	
1,2-Dibromo-3-chloropropane	<50.0		500	413		ug/L		83	52 - 126	2	24	
1,2-Dibromoethane (EDB)	<5.00		500	432		ug/L		86	75 - 137	2	15	
Methylcyclohexane	<25.0		500	455		ug/L		91	59 - 151	2	19	
1,2-Dichlorobenzene	<5.00		500	509		ug/L		102	79 - 128	3	15	
1,3-Dichlorobenzene	<5.00		500	502		ug/L		100	77 - 131	2	15	
1,4-Dichlorobenzene	<5.00		500	493		ug/L		99	78 - 126	1	15	
Dichlorodifluoromethane	<6.00		500	293		ug/L		59	40 - 127	2	18	
1,2-Dichloroethane	8.00		500	466		ug/L		92	64 - 136	3	17	
1,1-Dichloroethane	18.2		500	494		ug/L		95	71 - 139	3	17	
1,1-Dichloroethene	431		500	819		ug/L		78	70 - 142	5	17	
trans-1,2-Dichloroethene	<5.00		500	412		ug/L		82	66 - 143	2	16	
1,1,2-Trifluoroethane	<5.00		500	454		ug/L		91	72 - 148	3	18	
cis-1,2-Dichloroethene	<5.00		500	464		ug/L		93	68 - 138	4	17	
1,2-Dichloropropane	<5.00		500	492		ug/L		98	67 - 131	3	17	
trans-1,3-Dichloropropene	<5.00		500	364		ug/L		73	59 - 135	3	14	
cis-1,3-Dichloropropene	18.8		500	456		ug/L		87	71 - 141	2	15	
Ethylbenzene	<5.00		500	527		ug/L		105	79 - 139	0.3	15	
2-Hexanone	<50.0		2500	2140		ug/L		85	50 - 150	2	15	
Isopropylbenzene	5.60		500	559		ug/L		111	80 - 153	0.3	16	
Methyl Acetate	<50.0		500	612		ug/L		122	30 - 165	7	31	
Methyl tert-Butyl Ether	<5.00		500	497		ug/L		99	66 - 141	2	16	
Methylene Chloride	<25.0		500	431		ug/L		86	64 - 139	2	17	
4-Methyl-2-pentanone	<50.0		2500	2680		ug/L		107	50 - 147	5	17	
Styrene	<5.00		500	474		ug/L		95	61 - 148	1	24	
1,1,2,2-Tetrachloroethane	<5.00		500	432		ug/L		86	56 - 143	3	20	
Tetrachloroethene	<5.00		500	443		ug/L		89	72 - 145	0.9	16	
Toluene	<5.00		500	467		ug/L		93	75 - 136	4	15	
1,2,4-Trichlorobenzene	18.6		500	423		ug/L		81	60 - 136	10	19	
1,2,3-Trichlorobenzene	19.8		500	408		ug/L		78	55 - 138	22	25	
1,1,1-Trichloroethane	113		500	551		ug/L		88	76 - 149	2	17	
1,1,2-Trichloroethane	<5.00		500	507		ug/L		101	74 - 134	5	15	
Trichloroethene	76.3		500	554		ug/L		96	73 - 144	2	17	
Trichlorofluoromethane	<5.00		500	374		ug/L		75	58 - 139	1	18	
Vinyl chloride	<5.00		500	343		ug/L		69	56 - 129	2	17	
Xylenes, total	<15.0		1500	1540		ug/L		102	74 - 141	0.5	15	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	94		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	100		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4310-BLK1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,1,2-Trifluorotrchloroethane	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Methylene Chloride	0.00583 J		0.0100	0.00500	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4310-BLK1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		03/27/12 12:29	03/27/12 14:58	1.00
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	93		70 - 130				03/27/12 12:29	03/27/12 14:58	1.00
Dibromofluoromethane	95		70 - 130				03/27/12 12:29	03/27/12 14:58	1.00
Toluene-d8	97		70 - 130				03/27/12 12:29	03/27/12 14:58	1.00
4-Bromofluorobenzene	103		70 - 130				03/27/12 12:29	03/27/12 14:58	1.00

**Lab Sample ID: 12C4310-BS1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	269		ug/kg		108	51 - 149
Benzene	50.0	56.2		ug/kg		112	75 - 127
Bromochloromethane	50.0	51.4		ug/kg		103	70 - 132
Bromodichloromethane	50.0	49.8		ug/kg		100	68 - 135
Bromoform	50.0	49.9		ug/kg		100	36 - 150
Bromomethane	50.0	50.5		ug/kg		101	43 - 142
2-Butanone	250	268		ug/kg		107	61 - 132
Carbon disulfide	50.0	55.0		ug/kg		110	74 - 135
Carbon Tetrachloride	50.0	51.2		ug/kg		102	70 - 141
Chlorobenzene	50.0	52.6		ug/kg		105	84 - 125
Chlorodibromomethane	50.0	52.8		ug/kg		106	66 - 134
Chloroethane	50.0	55.3		ug/kg		111	53 - 144
Chloroform	50.0	53.4		ug/kg		107	76 - 130
Chloromethane	50.0	42.5		ug/kg		85	23 - 150
Cyclohexane	50.0	59.1		ug/kg		118	70 - 133
1,2-Dibromo-3-chloropropane	50.0	49.2		ug/kg		98	49 - 142
1,2-Dibromoethane (EDB)	50.0	52.2		ug/kg		104	80 - 135
Methylcyclohexane	50.0	57.4		ug/kg		115	69 - 140
1,2-Dichlorobenzene	50.0	50.2		ug/kg		100	80 - 134
1,3-Dichlorobenzene	50.0	50.3		ug/kg		101	79 - 137
1,4-Dichlorobenzene	50.0	51.3		ug/kg		103	77 - 139
Dichlorodifluoromethane	50.0	36.7		ug/kg		73	12 - 144
1,2-Dichloroethane	50.0	48.2		ug/kg		96	65 - 134
1,1-Dichloroethane	50.0	56.0		ug/kg		112	75 - 124
1,1-Dichloroethene	50.0	52.1		ug/kg		104	75 - 131
trans-1,2-Dichloroethene	50.0	54.7		ug/kg		109	76 - 128
1,1,2-Trifluoro-trichloroethane	50.0	56.0		ug/kg		112	67 - 136
cis-1,2-Dichloroethene	50.0	54.5		ug/kg		109	75 - 125
1,2-Dichloropropane	50.0	52.6		ug/kg		105	69 - 120
trans-1,3-Dichloropropene	50.0	51.0		ug/kg		102	62 - 139
cis-1,3-Dichloropropene	50.0	58.4		ug/kg		117	73 - 148
Ethylbenzene	50.0	53.9		ug/kg		108	80 - 134
2-Hexanone	250	284		ug/kg		114	57 - 148
Isopropylbenzene	50.0	57.3		ug/kg		115	80 - 150
Methyl Acetate	50.0	46.1		ug/kg		92	11 - 170
Methyl tert-Butyl Ether	50.0	53.9		ug/kg		108	70 - 136



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4310-BS1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Methylene Chloride	50.0	55.8	B	ug/kg		112	68 - 144	
4-Methyl-2-pentanone	250	282		ug/kg		113	59 - 138	
Styrene	50.0	54.8		ug/kg		110	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	57.3		ug/kg		115	66 - 134	
Tetrachloroethene	50.0	50.2		ug/kg		100	78 - 140	
Toluene	50.0	53.8		ug/kg		108	80 - 132	
1,2,4-Trichlorobenzene	50.0	51.6		ug/kg		103	62 - 150	
1,2,3-Trichlorobenzene	50.0	48.9		ug/kg		98	70 - 150	
1,1,1-Trichloroethane	50.0	51.5		ug/kg		103	72 - 140	
1,1,2-Trichloroethane	50.0	52.4		ug/kg		105	78 - 128	
Trichloroethene	50.0	50.7		ug/kg		101	77 - 127	
Trichlorofluoromethane	50.0	44.0		ug/kg		88	50 - 140	
Vinyl chloride	50.0	56.9		ug/kg		114	47 - 136	
Xylenes, total	150	160		ug/kg		107	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	92		70 - 130
Dibromofluoromethane	94		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	104		70 - 130

**Lab Sample ID: 12C4310-BSD1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Acetone	250	279		ug/kg		112	51 - 149	4	50	
Benzene	50.0	59.0		ug/kg		118	75 - 127	5	50	
Bromochloromethane	50.0	55.0		ug/kg		110	70 - 132	7	50	
Bromodichloromethane	50.0	51.2		ug/kg		102	68 - 135	3	50	
Bromoform	50.0	49.1		ug/kg		98	36 - 150	2	50	
Bromomethane	50.0	55.0		ug/kg		110	43 - 142	8	50	
2-Butanone	250	270		ug/kg		108	61 - 132	0.9	50	
Carbon disulfide	50.0	58.2		ug/kg		116	74 - 135	6	50	
Carbon Tetrachloride	50.0	52.5		ug/kg		105	70 - 141	3	50	
Chlorobenzene	50.0	51.2		ug/kg		102	84 - 125	3	50	
Chlorodibromomethane	50.0	52.4		ug/kg		105	66 - 134	0.8	50	
Chloroethane	50.0	58.4		ug/kg		117	53 - 144	5	50	
Chloroform	50.0	56.1		ug/kg		112	76 - 130	5	49	
Chloromethane	50.0	46.8		ug/kg		94	23 - 150	9	50	
Cyclohexane	50.0	60.4		ug/kg		121	70 - 133	2	50	
1,2-Dibromo-3-chloropropane	50.0	48.1		ug/kg		96	49 - 142	2	50	
1,2-Dibromoethane (EDB)	50.0	51.8		ug/kg		104	80 - 135	0.8	50	
Methylcyclohexane	50.0	57.4		ug/kg		115	69 - 140	0.1	50	
1,2-Dichlorobenzene	50.0	48.6		ug/kg		97	80 - 134	3	50	
1,3-Dichlorobenzene	50.0	48.7		ug/kg		97	79 - 137	3	50	
1,4-Dichlorobenzene	50.0	48.1		ug/kg		96	77 - 139	6	50	
Dichlorodifluoromethane	50.0	41.1		ug/kg		82	12 - 144	11	50	
1,2-Dichloroethane	50.0	51.2		ug/kg		102	65 - 134	6	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4310-BSD1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	Limit
1,1-Dichloroethane	50.0	58.8		ug/kg		118	75 - 124	5	50	
1,1-Dichloroethene	50.0	55.2		ug/kg		110	75 - 131	6	50	
trans-1,2-Dichloroethene	50.0	56.8		ug/kg		114	76 - 128	4	50	
1,1,2-Trifluorotrchloroethane	50.0	56.8		ug/kg		114	67 - 136	1	50	
cis-1,2-Dichloroethene	50.0	57.0		ug/kg		114	75 - 125	4	50	
1,2-Dichloropropane	50.0	54.6		ug/kg		109	69 - 120	4	50	
trans-1,3-Dichloropropene	50.0	50.5		ug/kg		101	62 - 139	0.9	50	
cis-1,3-Dichloropropene	50.0	56.8		ug/kg		114	73 - 148	3	50	
Ethylbenzene	50.0	51.6		ug/kg		103	80 - 134	5	50	
2-Hexanone	250	272		ug/kg		109	57 - 148	4	50	
Isopropylbenzene	50.0	54.3		ug/kg		109	80 - 150	5	50	
Methyl Acetate	50.0	43.9		ug/kg		88	11 - 170	5	50	
Methyl tert-Butyl Ether	50.0	56.0		ug/kg		112	70 - 136	4	50	
Methylene Chloride	50.0	58.2	B	ug/kg		116	68 - 144	4	50	
4-Methyl-2-pentanone	250	269		ug/kg		108	59 - 138	4	50	
Styrene	50.0	52.9		ug/kg		106	82 - 137	4	50	
1,1,2,2-Tetrachloroethane	50.0	56.1		ug/kg		112	66 - 134	2	50	
Tetrachloroethene	50.0	47.3		ug/kg		95	78 - 140	6	50	
Toluene	50.0	52.4		ug/kg		105	80 - 132	3	50	
1,2,4-Trichlorobenzene	50.0	47.1		ug/kg		94	62 - 150	9	50	
1,2,3-Trichlorobenzene	50.0	46.3		ug/kg		93	70 - 150	6	50	
1,1,1-Trichloroethane	50.0	53.1		ug/kg		106	72 - 140	3	50	
1,1,2-Trichloroethane	50.0	52.2		ug/kg		104	78 - 128	0.4	50	
Trichloroethene	50.0	50.3		ug/kg		101	77 - 127	0.8	50	
Trichlorofluoromethane	50.0	46.4		ug/kg		93	50 - 140	5	50	
Vinyl chloride	50.0	61.1		ug/kg		122	47 - 136	7	50	
Xylenes, total	150	154		ug/kg		102	80 - 137	4	50	

Surrogate	LCS Dup	LCS Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	96		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	103		70 - 130

**Lab Sample ID: 12C4310-MS1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	Limit
Acetone	1.03		0.536	0.371	M8	mg/kg dry	*	-123	19 - 175	
Benzene	0.0117		0.107	0.0709		mg/kg dry	*	55	31 - 143	
Bromochloromethane	<0.00433		0.107	0.0624		mg/kg dry	*	58	31 - 141	
Bromodichloromethane	<0.00360		0.107	0.0552		mg/kg dry	*	52	19 - 148	
Bromoform	<0.00360		0.107	0.0437		mg/kg dry	*	41	10 - 165	
Bromomethane	<0.00433		0.107	0.0517		mg/kg dry	*	48	10 - 164	
2-Butanone	0.195		0.536	0.327		mg/kg dry	*	25	18 - 153	
Carbon disulfide	0.0393		0.107	0.0654	M8	mg/kg dry	*	24	32 - 144	
Carbon Tetrachloride	<0.00360		0.107	0.0637		mg/kg dry	*	59	31 - 149	
Chlorobenzene	<0.00396		0.107	0.0557		mg/kg dry	*	52	25 - 152	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 12C4310-MS1

Matrix: Soil

Analysis Batch: V005189

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 12C4310\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Chlorodibromomethane	<0.00360		0.107	0.0543		mg/kg dry	*	51	14 - 146	
Chloroethane	<0.00901		0.107	0.0643		mg/kg dry	*	60	10 - 151	
Chloroform	<0.00469		0.107	0.0667		mg/kg dry	*	62	34 - 160	
Chloromethane	<0.00396		0.107	0.0412		mg/kg dry	*	38	10 - 156	
Cyclohexane	<0.0180		0.107	0.0789		mg/kg dry	*	74	32 - 158	
1,2-Dibromo-3-chloropropane	<0.00901		0.107	0.0456		mg/kg dry	*	43	10 - 147	
1,2-Dibromoethane (EDB)	<0.00360		0.107	0.0564		mg/kg dry	*	53	18 - 156	
Methylcyclohexane	<0.0180		0.107	0.0771		mg/kg dry	*	72	29 - 167	
1,2-Dichlorobenzene	<0.00360		0.107	0.0386		mg/kg dry	*	36	10 - 160	
1,3-Dichlorobenzene	<0.00433		0.107	0.0422		mg/kg dry	*	39	10 - 162	
1,4-Dichlorobenzene	<0.00396		0.107	0.0419		mg/kg dry	*	39	11 - 159	
Dichlorodifluoromethane	<0.00505		0.107	0.0269		mg/kg dry	*	25	10 - 143	
1,2-Dichloroethane	<0.00396		0.107	0.0588		mg/kg dry	*	55	28 - 138	
1,1-Dichloroethane	<0.00469		0.107	0.0690		mg/kg dry	*	64	42 - 136	
1,1-Dichloroethene	<0.00433		0.107	0.0642		mg/kg dry	*	60	41 - 143	
trans-1,2-Dichloroethene	<0.00469		0.107	0.0642		mg/kg dry	*	60	39 - 140	
1,1,2-Trifluorotrchloroethane	<0.00396		0.107	0.0769		mg/kg dry	*	72	42 - 147	
cis-1,2-Dichloroethene	<0.00396		0.107	0.0644		mg/kg dry	*	60	36 - 139	
1,2-Dichloropropane	<0.00360		0.107	0.0617		mg/kg dry	*	58	20 - 146	
trans-1,3-Dichloropropene	<0.00360		0.107	0.0501		mg/kg dry	*	47	10 - 157	
cis-1,3-Dichloropropene	<0.00360		0.107	0.0609		mg/kg dry	*	57	15 - 166	
Ethylbenzene	0.0209		0.107	0.0701		mg/kg dry	*	46	23 - 161	
2-Hexanone	<0.0901		0.536	0.335		mg/kg dry	*	62	10 - 169	
Isopropylbenzene	<0.00396		0.107	0.0590		mg/kg dry	*	55	23 - 181	
Methyl Acetate	<0.0180		0.107	0.0975		mg/kg dry	*	91	10 - 200	
Methyl tert-Butyl Ether	<0.00360		0.107	0.0658		mg/kg dry	*	61	28 - 141	
Methylene Chloride	<0.0180		0.107	0.0977	B	mg/kg dry	*	91	24 - 182	
4-Methyl-2-pentanone	<0.0901		0.536	0.373		mg/kg dry	*	70	10 - 168	
Styrene	<0.00396		0.107	0.0414		mg/kg dry	*	39	10 - 165	
1,1,2,2-Tetrachloroethane	<0.00360		0.107	0.0613		mg/kg dry	*	57	10 - 162	
Tetrachloroethene	<0.00469		0.107	0.0628		mg/kg dry	*	59	33 - 161	
Toluene	0.0156		0.107	0.0730		mg/kg dry	*	54	30 - 155	
1,2,4-Trichlorobenzene	<0.00433		0.107	0.0268		mg/kg dry	*	25	10 - 167	
1,2,3-Trichlorobenzene	<0.00396		0.107	0.0225		mg/kg dry	*	21	10 - 157	
1,1,1-Trichloroethane	<0.00360		0.107	0.0659		mg/kg dry	*	61	35 - 149	
1,1,2-Trichloroethane	<0.00901		0.107	0.0649		mg/kg dry	*	61	19 - 157	
Trichloroethene	<0.00360		0.107	0.0601		mg/kg dry	*	56	27 - 153	
Trichlorofluoromethane	<0.00360		0.107	0.0575		mg/kg dry	*	54	25 - 137	
Vinyl chloride	<0.00360		0.107	0.0593		mg/kg dry	*	55	20 - 141	
Xylenes, total	<0.00901		0.322	0.172		mg/kg dry	*	53	25 - 162	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	101		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8	110		70 - 130
4-Bromofluorobenzene	109		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4310-MSD1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result			Result	Qualifier				Limits	RPD		
Acetone	1.03		0.540	0.419	M8	mg/kg dry	☼	-113	19 - 175	12	50	
Benzene	0.0117		0.108	0.0772		mg/kg dry	☼	61	31 - 143	9	50	
Bromochloromethane	<0.00433		0.108	0.0682		mg/kg dry	☼	63	31 - 141	9	50	
Bromodichloromethane	<0.00360		0.108	0.0558		mg/kg dry	☼	52	19 - 148	1	50	
Bromoform	<0.00360		0.108	0.0483		mg/kg dry	☼	45	10 - 165	10	50	
Bromomethane	<0.00433		0.108	0.0547		mg/kg dry	☼	51	10 - 164	6	50	
2-Butanone	0.195		0.540	0.329		mg/kg dry	☼	25	18 - 153	0.7	50	
Carbon disulfide	0.0393		0.108	0.0704	M8	mg/kg dry	☼	29	32 - 144	7	50	
Carbon Tetrachloride	<0.00360		0.108	0.0682		mg/kg dry	☼	63	31 - 149	7	50	
Chlorobenzene	<0.00396		0.108	0.0669		mg/kg dry	☼	62	25 - 152	18	50	
Chlorodibromomethane	<0.00360		0.108	0.0592		mg/kg dry	☼	55	14 - 146	9	50	
Chloroethane	<0.00901		0.108	0.0702		mg/kg dry	☼	65	10 - 151	9	50	
Chloroform	<0.00469		0.108	0.0724		mg/kg dry	☼	67	34 - 160	8	49	
Chloromethane	<0.00396		0.108	0.0437		mg/kg dry	☼	40	10 - 156	6	50	
Cyclohexane	<0.0180		0.108	0.0839		mg/kg dry	☼	78	32 - 158	6	50	
1,2-Dibromo-3-chloropropane	<0.00901		0.108	0.0546		mg/kg dry	☼	51	10 - 147	18	50	
1,2-Dibromoethane (EDB)	<0.00360		0.108	0.0698		mg/kg dry	☼	65	18 - 156	21	50	
Methylcyclohexane	<0.0180		0.108	0.0808		mg/kg dry	☼	75	29 - 167	5	50	
1,2-Dichlorobenzene	<0.00360		0.108	0.0532		mg/kg dry	☼	49	10 - 160	32	50	
1,3-Dichlorobenzene	<0.00433		0.108	0.0576		mg/kg dry	☼	53	10 - 162	31	50	
1,4-Dichlorobenzene	<0.00396		0.108	0.0561		mg/kg dry	☼	52	11 - 159	29	50	
Dichlorodifluoromethane	<0.00505		0.108	0.0297		mg/kg dry	☼	27	10 - 143	10	50	
1,2-Dichloroethane	<0.00396		0.108	0.0620		mg/kg dry	☼	57	28 - 138	5	50	
1,1-Dichloroethane	<0.00469		0.108	0.0767		mg/kg dry	☼	71	42 - 136	11	50	
1,1-Dichloroethene	<0.00433		0.108	0.0743		mg/kg dry	☼	69	41 - 143	15	50	
trans-1,2-Dichloroethene	<0.00469		0.108	0.0724		mg/kg dry	☼	67	39 - 140	12	50	
1,1,2-Trifluorotrchloroethane	<0.00396		0.108	0.0838		mg/kg dry	☼	78	42 - 147	9	50	
cis-1,2-Dichloroethene	<0.00396		0.108	0.0704		mg/kg dry	☼	65	36 - 139	9	50	
1,2-Dichloropropane	<0.00360		0.108	0.0680		mg/kg dry	☼	63	20 - 146	10	50	
trans-1,3-Dichloropropene	<0.00360		0.108	0.0549		mg/kg dry	☼	51	10 - 157	9	50	
cis-1,3-Dichloropropene	<0.00360		0.108	0.0646		mg/kg dry	☼	60	15 - 166	6	50	
Ethylbenzene	0.0209		0.108	0.0846		mg/kg dry	☼	59	23 - 161	19	50	
2-Hexanone	<0.0901		0.540	0.384		mg/kg dry	☼	71	10 - 169	14	50	
Isopropylbenzene	<0.00396		0.108	0.0720		mg/kg dry	☼	67	23 - 181	20	50	
Methyl Acetate	<0.0180		0.108	0.0845		mg/kg dry	☼	78	10 - 200	14	50	
Methyl tert-Butyl Ether	<0.00360		0.108	0.0713		mg/kg dry	☼	66	28 - 141	8	50	
Methylene Chloride	<0.0180		0.108	0.107	B	mg/kg dry	☼	99	24 - 182	9	50	
4-Methyl-2-pentanone	<0.0901		0.540	0.409		mg/kg dry	☼	76	10 - 168	9	50	
Styrene	<0.00396		0.108	0.0556		mg/kg dry	☼	51	10 - 165	29	50	
1,1,2,2-Tetrachloroethane	<0.00360		0.108	0.0753		mg/kg dry	☼	70	10 - 162	20	50	
Tetrachloroethene	<0.00469		0.108	0.0747		mg/kg dry	☼	69	33 - 161	17	50	
Toluene	0.0156		0.108	0.0859		mg/kg dry	☼	65	30 - 155	16	50	
1,2,4-Trichlorobenzene	<0.00433		0.108	0.0357		mg/kg dry	☼	33	10 - 167	29	50	
1,2,3-Trichlorobenzene	<0.00396		0.108	0.0298		mg/kg dry	☼	28	10 - 157	28	50	
1,1,1-Trichloroethane	<0.00360		0.108	0.0729		mg/kg dry	☼	67	35 - 149	10	50	
1,1,2-Trichloroethane	<0.00901		0.108	0.0756		mg/kg dry	☼	70	19 - 157	15	50	
Trichloroethene	<0.00360		0.108	0.0670		mg/kg dry	☼	62	27 - 153	11	50	
Trichlorofluoromethane	<0.00360		0.108	0.0619		mg/kg dry	☼	57	25 - 137	7	50	
Vinyl chloride	<0.00360		0.108	0.0634		mg/kg dry	☼	59	20 - 141	7	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C4310-MSD1**

**Matrix: Soil**

**Analysis Batch: V005189**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C4310\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, total	<0.00901		0.324	0.211		mg/kg dry	☆	65	25 - 162	20	50
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1,2-Dichloroethane-d4	97		70 - 130								
Dibromofluoromethane	91		70 - 130								
Toluene-d8	110		70 - 130								
4-Bromofluorobenzene	110		70 - 130								

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

**Lab Sample ID: 12C4625-BLK1**

**Matrix: Water**

**Analysis Batch: 12C4625**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4625\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Anthracene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Carbazole	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Chrysene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4625-BLK1**

**Matrix: Water**

**Analysis Batch: 12C4625**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4625\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Fluorene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Isophorone	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
2-Nitrophenol	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Phenol	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
Pyrene	<1.00		2.00	1.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		03/26/12 05:30	03/26/12 12:51	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		03/26/12 05:30	03/26/12 12:51	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	105		13 - 120	03/26/12 05:30	03/26/12 12:51	1.00
2,4,6-Tribromophenol	71		10 - 120	03/26/12 05:30	03/26/12 12:51	1.00
Phenol-d5	32		10 - 120	03/26/12 05:30	03/26/12 12:51	1.00
2-Fluorobiphenyl	67		29 - 120	03/26/12 05:30	03/26/12 12:51	1.00
2-Fluorophenol	50		10 - 120	03/26/12 05:30	03/26/12 12:51	1.00
Nitrobenzene-d5	76		27 - 120	03/26/12 05:30	03/26/12 12:51	1.00

**Lab Sample ID: 12C4625-BS1**

**Matrix: Water**

**Analysis Batch: 12C4625**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4625\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	44.5	MNR1	ug/L		89	46 - 120
Acenaphthylene	50.0	43.2	MNR1	ug/L		86	48 - 120
Anthracene	50.0	51.9	MNR1	ug/L		104	58 - 130
Benzo (a) anthracene	50.0	52.9	MNR1	ug/L		106	57 - 120
Benzo (a) pyrene	50.0	55.3	MNR1	ug/L		111	57 - 124

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4625-BS1**

**Matrix: Water**

**Analysis Batch: 12C4625**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4625\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Benzo (b) fluoranthene	50.0	53.3	MNR1	ug/L		107	51 - 125
Benzo (g,h,i) perylene	50.0	51.9	MNR1	ug/L		104	51 - 123
Benzo (k) fluoranthene	50.0	52.0	MNR1	ug/L		104	51 - 120
4-Bromophenyl phenyl ether	50.0	52.1	MNR1	ug/L		104	47 - 127
Butyl benzyl phthalate	50.0	56.5	MNR1	ug/L		113	51 - 146
Carbazole	50.0	54.0	MNR1	ug/L		108	54 - 123
4-Chloro-3-methylphenol	50.0	45.2	MNR1	ug/L		90	44 - 120
4-Chloroaniline	50.0	44.7	MNR1	ug/L		89	44 - 120
Bis(2-chloroethoxy)methane	50.0	44.8	MNR1	ug/L		90	44 - 120
Bis(2-chloroethyl)ether	50.0	48.2	MNR1	ug/L		96	47 - 120
Bis(2-chloroisopropyl)ether	50.0	44.6	MNR1	ug/L		89	44 - 120
2-Chloronaphthalene	50.0	33.7	MNR1	ug/L		67	39 - 120
2-Chlorophenol	50.0	43.9	MNR1	ug/L		88	40 - 120
4-Chlorophenyl phenyl ether	50.0	47.1	MNR1	ug/L		94	50 - 120
Chrysene	50.0	50.9	MNR1	ug/L		102	55 - 120
Dibenz (a,h) anthracene	50.0	51.9	MNR1	ug/L		104	50 - 125
Dibenzofuran	50.0	47.4	MNR1	ug/L		95	50 - 120
Di-n-butyl phthalate	50.0	52.8	MNR1	ug/L		106	54 - 140
1,4-Dichlorobenzene	50.0	23.9	MNR1	ug/L		48	31 - 120
1,2-Dichlorobenzene	50.0	25.7	MNR1	ug/L		51	32 - 120
1,3-Dichlorobenzene	50.0	25.4	MNR1	ug/L		51	32 - 120
3,3-Dichlorobenzidine	50.0	52.1	MNR1	ug/L		104	46 - 129
2,4-Dichlorophenol	50.0	43.6	MNR1	ug/L		87	38 - 120
Diethyl phthalate	50.0	50.6	MNR1	ug/L		101	54 - 128
2,4-Dimethylphenol	50.0	42.7	MNR1	ug/L		85	21 - 126
Dimethyl phthalate	50.0	49.2	MNR1	ug/L		98	53 - 127
4,6-Dinitro-2-methylphenol	50.0	53.6	MNR1	ug/L		107	19 - 150
2,4-Dinitrophenol	50.0	51.8	MNR1	ug/L		104	20 - 150
2,6-Dinitrotoluene	50.0	42.5	MNR1	ug/L		85	54 - 128
2,4-Dinitrotoluene	50.0	42.9	MNR1	ug/L		86	46 - 132
Di-n-octyl phthalate	50.0	55.1	MNR1	ug/L		110	50 - 142
Bis(2-ethylhexyl)phthalate	50.0	52.5	MNR1	ug/L		105	47 - 138
Fluoranthene	50.0	53.8	MNR1	ug/L		108	56 - 120
Fluorene	50.0	48.2	MNR1	ug/L		96	52 - 120
Hexachlorobenzene	50.0	53.0	MNR1	ug/L		106	48 - 131
Hexachlorobutadiene	50.0	29.7	MNR1	ug/L		59	28 - 120
Hexachlorocyclopentadiene	50.0	24.0	MNR1	ug/L		48	17 - 120
Hexachloroethane	50.0	28.8	MNR1	ug/L		58	30 - 120
Indeno (1,2,3-cd) pyrene	50.0	52.1	MNR1	ug/L		104	54 - 125
Isophorone	50.0	36.2	MNR1	ug/L		72	47 - 120
2-Methylnaphthalene	50.0	35.0	MNR1	ug/L		70	31 - 120
2-Methylphenol	50.0	30.8	MNR1	ug/L		62	38 - 120
Naphthalene	50.0	35.5	MNR1	ug/L		71	37 - 120
3/4-Methylphenol	50.0	27.9	MNR1	ug/L		56	33 - 120
3-Nitroaniline	50.0	53.8	MNR1	ug/L		108	54 - 121
2-Nitroaniline	50.0	53.1	MNR1	ug/L		106	46 - 131
4-Nitroaniline	50.0	53.5	MNR1	ug/L		107	55 - 123
Nitrobenzene	50.0	33.2	MNR1	ug/L		66	36 - 120
4-Nitrophenol	50.0	18.7	J MNR1	ug/L		37	10 - 120
2-Nitrophenol	50.0	42.4	MNR1	ug/L		85	32 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4625-BS1**

**Matrix: Water**

**Analysis Batch: 12C4625**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4625\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
N-Nitrosodiphenylamine	50.0	61.1	MNR1	ug/L		122	58 - 149	
N-Nitrosodi-n-propylamine	50.0	47.4	MNR1	ug/L		95	51 - 120	
Pentachlorophenol	50.0	51.4	MNR1	ug/L		103	21 - 150	
Phenanthrene	50.0	51.3	MNR1	ug/L		103	56 - 120	
Phenol	50.0	19.5	MNR1	ug/L		39	14 - 120	
Pyrene	50.0	54.0	MNR1	ug/L		108	53 - 129	
1,2,4-Trichlorobenzene	50.0	23.9	MNR1	ug/L		48	30 - 120	
2,4,6-Trichlorophenol	50.0	48.4	MNR1	ug/L		97	39 - 135	
2,4,5-Trichlorophenol	50.0	41.0	MNR1	ug/L		82	40 - 129	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	107		13 - 120
2,4,6-Tribromophenol	78		10 - 120
Phenol-d5	26		10 - 120
2-Fluorobiphenyl	77		29 - 120
2-Fluorophenol	43		10 - 120
Nitrobenzene-d5	72		27 - 120

**Lab Sample ID: 12C4685-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C4685**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4685\_P**

Analyte	Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4685-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C4685**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4685\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		03/23/12 09:15	03/23/12 17:15	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	105		18 - 120	03/23/12 09:15	03/23/12 17:15	1.00
2,4,6-Tribromophenol	61		19 - 120	03/23/12 09:15	03/23/12 17:15	1.00
Phenol-d5	73		18 - 120	03/23/12 09:15	03/23/12 17:15	1.00
2-Fluorobiphenyl	73		14 - 120	03/23/12 09:15	03/23/12 17:15	1.00
2-Fluorophenol	75		17 - 120	03/23/12 09:15	03/23/12 17:15	1.00
Nitrobenzene-d5	79		17 - 120	03/23/12 09:15	03/23/12 17:15	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4685-BS1**

**Matrix: Soil**

**Analysis Batch: 12C4685**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4685\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	1.67	1.34		mg/kg wet		80	36 - 120
Acenaphthylene	1.67	1.33		mg/kg wet		80	38 - 120
Anthracene	1.67	1.45		mg/kg wet		87	46 - 124
Benzo (a) anthracene	1.67	1.49		mg/kg wet		89	45 - 120
Benzo (a) pyrene	1.67	1.62		mg/kg wet		97	45 - 120
Benzo (b) fluoranthene	1.67	1.53		mg/kg wet		92	42 - 120
Benzo (g,h,i) perylene	1.67	1.47		mg/kg wet		88	38 - 120
Benzo (k) fluoranthene	1.67	1.45		mg/kg wet		87	42 - 120
4-Bromophenyl phenyl ether	1.67	1.55		mg/kg wet		93	40 - 120
Butyl benzyl phthalate	1.67	1.92		mg/kg wet		115	43 - 133
Carbazole	1.67	1.40		mg/kg wet		84	44 - 120
4-Chloro-3-methylphenol	1.67	1.40		mg/kg wet		84	38 - 120
4-Chloroaniline	1.67	1.30		mg/kg wet		78	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.41		mg/kg wet		85	32 - 120
Bis(2-chloroethyl)ether	1.67	1.42		mg/kg wet		85	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.46		mg/kg wet		88	32 - 120
2-Chloronaphthalene	1.67	1.12		mg/kg wet		67	34 - 120
2-Chlorophenol	1.67	1.37		mg/kg wet		82	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.41		mg/kg wet		84	42 - 120
Chrysene	1.67	1.35		mg/kg wet		81	43 - 120
Dibenz (a,h) anthracene	1.67	1.50		mg/kg wet		90	32 - 128
Dibenzofuran	1.67	1.39		mg/kg wet		84	41 - 120
Di-n-butyl phthalate	1.67	1.65		mg/kg wet		99	46 - 127
1,4-Dichlorobenzene	1.67	1.05		mg/kg wet		63	32 - 120
1,2-Dichlorobenzene	1.67	1.07		mg/kg wet		64	33 - 120
1,3-Dichlorobenzene	1.67	1.07		mg/kg wet		64	32 - 120
3,3-Dichlorobenzidine	1.67	1.57		mg/kg wet		94	39 - 120
2,4-Dichlorophenol	1.67	1.37		mg/kg wet		82	32 - 120
Diethyl phthalate	1.67	1.43		mg/kg wet		86	41 - 122
2,4-Dimethylphenol	1.67	1.33		mg/kg wet		80	32 - 120
Dimethyl phthalate	1.67	1.39		mg/kg wet		83	55 - 120
4,6-Dinitro-2-methylphenol	1.67	2.52	L	mg/kg wet		151	27 - 134
2,4-Dinitrophenol	1.67	2.39	L	mg/kg wet		143	23 - 142
2,6-Dinitrotoluene	1.67	1.33		mg/kg wet		80	43 - 120
2,4-Dinitrotoluene	1.67	1.32		mg/kg wet		79	43 - 120
Di-n-octyl phthalate	1.67	2.01		mg/kg wet		121	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	2.01	L	mg/kg wet		121	43 - 120
Fluoranthene	1.67	1.40		mg/kg wet		84	46 - 120
Fluorene	1.67	1.39		mg/kg wet		83	42 - 120
Hexachlorobenzene	1.67	1.46		mg/kg wet		87	44 - 120
Hexachlorobutadiene	1.67	1.28		mg/kg wet		77	31 - 120
Hexachlorocyclopentadiene	1.67	1.27		mg/kg wet		76	24 - 120
Hexachloroethane	1.67	1.40		mg/kg wet		84	33 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.48		mg/kg wet		89	41 - 121
Isophorone	1.67	1.11		mg/kg wet		66	33 - 120
2-Methylnaphthalene	1.67	1.31		mg/kg wet		78	28 - 120
2-Methylphenol	1.67	1.17		mg/kg wet		70	36 - 120
3/4-Methylphenol	1.67	1.13		mg/kg wet		68	37 - 120
Naphthalene	1.67	1.37		mg/kg wet		82	32 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4685-BS1**

**Matrix: Soil**

**Analysis Batch: 12C4685**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4685\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
3-Nitroaniline	1.67	1.60		mg/kg wet		96	42 - 120	
2-Nitroaniline	1.67	1.58		mg/kg wet		95	40 - 120	
4-Nitroaniline	1.67	1.47		mg/kg wet		88	43 - 120	
Nitrobenzene	1.67	1.02		mg/kg wet		61	26 - 120	
4-Nitrophenol	1.67	1.36		mg/kg wet		82	32 - 136	
2-Nitrophenol	1.67	1.56		mg/kg wet		94	29 - 120	
N-Nitrosodiphenylamine	1.67	1.99		mg/kg wet		119	52 - 140	
N-Nitrosodi-n-propylamine	1.67	1.36		mg/kg wet		82	35 - 120	
Pentachlorophenol	1.67	1.71		mg/kg wet		103	44 - 134	
Phenanthrene	1.67	1.40		mg/kg wet		84	45 - 120	
Phenol	1.67	1.50		mg/kg wet		90	30 - 120	
Pyrene	1.67	1.54		mg/kg wet		92	43 - 120	
1,2,4-Trichlorobenzene	1.67	0.973		mg/kg wet		58	29 - 120	
2,4,6-Trichlorophenol	1.67	1.57		mg/kg wet		94	39 - 120	
2,4,5-Trichlorophenol	1.67	1.22		mg/kg wet		73	39 - 120	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	96		18 - 120
2,4,6-Tribromophenol	68		19 - 120
Phenol-d5	66		18 - 120
2-Fluorobiphenyl	66		14 - 120
2-Fluorophenol	69		17 - 120
Nitrobenzene-d5	64		17 - 120

**Lab Sample ID: 12C4685-MS1**

**Matrix: Soil**

**Analysis Batch: 12C4685**

**Client Sample ID: TRACT 35 SB-7 (20-24)**

**Prep Type: Total**

**Prep Batch: 12C4685\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Acenaphthene	<0.0465		2.30	1.46		mg/kg dry	☼	63	19 - 120	
Acenaphthylene	<0.0465		2.30	1.44		mg/kg dry	☼	63	25 - 120	
Anthracene	<0.0465		2.30	1.56		mg/kg dry	☼	68	28 - 125	
Benzo (a) anthracene	<0.0465		2.30	1.62		mg/kg dry	☼	70	23 - 120	
Benzo (a) pyrene	<0.0465		2.30	1.68		mg/kg dry	☼	73	15 - 128	
Benzo (b) fluoranthene	<0.0465		2.30	1.56		mg/kg dry	☼	68	12 - 133	
Benzo (g,h,i) perylene	<0.0465		2.30	1.56		mg/kg dry	☼	68	22 - 120	
Benzo (k) fluoranthene	<0.0465		2.30	1.61		mg/kg dry	☼	70	28 - 120	
4-Bromophenyl phenyl ether	<0.228		2.30	1.69		mg/kg dry	☼	73	31 - 120	
Butyl benzyl phthalate	<0.228		2.30	2.05		mg/kg dry	☼	89	24 - 133	
Carbazole	<0.228		2.30	1.56		mg/kg dry	☼	68	25 - 123	
4-Chloro-3-methylphenol	<0.228		2.30	1.49		mg/kg dry	☼	65	21 - 120	
4-Chloroaniline	<0.228		2.30	1.42		mg/kg dry	☼	62	26 - 120	
Bis(2-chloroethoxy)methane	<0.228		2.30	1.44		mg/kg dry	☼	63	24 - 120	
Bis(2-chloroethyl)ether	<0.228		2.30	1.50		mg/kg dry	☼	65	22 - 120	
Bis(2-chloroisopropyl)ether	<0.228		2.30	1.54		mg/kg dry	☼	67	20 - 120	
2-Chloronaphthalene	<0.228		2.30	1.14		mg/kg dry	☼	49	24 - 120	
2-Chlorophenol	<0.228		2.30	1.45		mg/kg dry	☼	63	25 - 120	
4-Chlorophenyl phenyl ether	<0.228		2.30	1.50		mg/kg dry	☼	65	26 - 120	
Chrysene	<0.0465		2.30	1.47		mg/kg dry	☼	64	20 - 120	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12C4685-MS1

Matrix: Soil

Analysis Batch: 12C4685

Client Sample ID: TRACT 35 SB-7 (20-24)

Prep Type: Total

Prep Batch: 12C4685\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Dibenz (a,h) anthracene	<0.0465		2.30	1.61		mg/kg dry	☼	70	12 - 128	
Dibenzofuran	<0.228		2.30	1.50		mg/kg dry	☼	65	21 - 120	
Di-n-butyl phthalate	<0.228		2.30	1.77		mg/kg dry	☼	77	29 - 126	
1,4-Dichlorobenzene	<0.228		2.30	1.07		mg/kg dry	☼	46	10 - 120	
1,2-Dichlorobenzene	<0.228		2.30	1.08		mg/kg dry	☼	47	10 - 120	
1,3-Dichlorobenzene	<0.228		2.30	1.07		mg/kg dry	☼	46	10 - 120	
3,3-Dichlorobenzidine	<0.228		2.30	1.65		mg/kg dry	☼	71	10 - 120	
2,4-Dichlorophenol	<0.228		2.30	1.44		mg/kg dry	☼	63	17 - 120	
Diethyl phthalate	<0.228		2.30	1.60		mg/kg dry	☼	70	29 - 122	
2,4-Dimethylphenol	<0.263		2.30	1.45		mg/kg dry	☼	63	17 - 120	
Dimethyl phthalate	<0.228		2.30	1.53		mg/kg dry	☼	67	30 - 120	
4,6-Dinitro-2-methylphenol	<0.228	L	2.30	2.56		mg/kg dry	☼	111	10 - 134	
2,4-Dinitrophenol	<0.228	L	2.30	1.45		mg/kg dry	☼	63	10 - 150	
2,6-Dinitrotoluene	<0.228		2.30	1.50		mg/kg dry	☼	65	24 - 120	
2,4-Dinitrotoluene	<0.228		2.30	1.51		mg/kg dry	☼	65	24 - 121	
Di-n-octyl phthalate	<0.228		2.30	2.15		mg/kg dry	☼	93	27 - 130	
Bis(2-ethylhexyl)phthalate	<0.228	L	2.30	2.16		mg/kg dry	☼	94	26 - 120	
Fluoranthene	<0.0465		2.30	1.53		mg/kg dry	☼	66	10 - 143	
Fluorene	<0.0465		2.30	1.51		mg/kg dry	☼	65	20 - 120	
Hexachlorobenzene	<0.228		2.30	1.62		mg/kg dry	☼	70	25 - 120	
Hexachlorobutadiene	<0.228		2.30	1.29		mg/kg dry	☼	56	10 - 120	
Hexachlorocyclopentadiene	<0.228		2.30	1.14		mg/kg dry	☼	49	10 - 120	
Hexachloroethane	<0.228		2.30	1.40		mg/kg dry	☼	61	10 - 120	
Indeno (1,2,3-cd) pyrene	<0.0465		2.30	1.59		mg/kg dry	☼	69	22 - 121	
Isophorone	<0.228		2.30	1.17		mg/kg dry	☼	51	24 - 120	
2-Methylnaphthalene	<0.0465		2.30	1.36		mg/kg dry	☼	59	13 - 120	
2-Methylphenol	<0.228		2.30	1.26		mg/kg dry	☼	55	23 - 120	
3/4-Methylphenol	<0.228		2.30	1.24		mg/kg dry	☼	54	19 - 120	
Naphthalene	<0.0465		2.30	1.43		mg/kg dry	☼	62	10 - 120	
3-Nitroaniline	<0.228		2.30	1.78		mg/kg dry	☼	77	31 - 120	
2-Nitroaniline	<0.228		2.30	1.72		mg/kg dry	☼	74	31 - 120	
4-Nitroaniline	<0.228		2.30	1.68		mg/kg dry	☼	73	28 - 120	
Nitrobenzene	<0.228		2.30	1.01		mg/kg dry	☼	44	19 - 120	
4-Nitrophenol	<0.228		2.30	1.46		mg/kg dry	☼	64	16 - 139	
2-Nitrophenol	<0.268		2.30	1.65		mg/kg dry	☼	72	23 - 120	
N-Nitrosodiphenylamine	<0.250		2.30	2.13		mg/kg dry	☼	93	26 - 150	
N-Nitrosodi-n-propylamine	<0.228		2.30	1.47		mg/kg dry	☼	64	24 - 120	
Pentachlorophenol	<0.228		2.30	1.84		mg/kg dry	☼	80	19 - 145	
Phenanthrene	<0.0465		2.30	1.48		mg/kg dry	☼	64	21 - 122	
Phenol	<0.228		2.30	1.60		mg/kg dry	☼	69	15 - 120	
Pyrene	<0.0465		2.30	1.62		mg/kg dry	☼	70	20 - 123	
1,2,4-Trichlorobenzene	<0.228		2.30	0.992		mg/kg dry	☼	43	14 - 120	
2,4,6-Trichlorophenol	<0.228		2.30	1.69		mg/kg dry	☼	73	24 - 122	
2,4,5-Trichlorophenol	<0.228		2.30	1.30		mg/kg dry	☼	56	27 - 120	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Terphenyl-d14	77		18 - 120
2,4,6-Tribromophenol	57		19 - 120
Phenol-d5	56		18 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4685-MS1**

**Matrix: Soil**

**Analysis Batch: 12C4685**

**Client Sample ID: TRACT 35 SB-7 (20-24)**

**Prep Type: Total**

**Prep Batch: 12C4685\_P**

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	44		14 - 120
2-Fluorophenol	53		17 - 120
Nitrobenzene-d5	45		17 - 120

**Lab Sample ID: 12C4685-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C4685**

**Client Sample ID: TRACT 35 SB-7 (20-24)**

**Prep Type: Total**

**Prep Batch: 12C4685\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
Acenaphthene	<0.0465		2.26	1.57		mg/kg dry	*	69	19 - 120	7	50	
Acenaphthylene	<0.0465		2.26	1.63		mg/kg dry	*	72	25 - 120	12	50	
Anthracene	<0.0465		2.26	1.68		mg/kg dry	*	74	28 - 125	7	49	
Benzo (a) anthracene	<0.0465		2.26	1.73		mg/kg dry	*	77	23 - 120	7	50	
Benzo (a) pyrene	<0.0465		2.26	1.85		mg/kg dry	*	82	15 - 128	10	50	
Benzo (b) fluoranthene	<0.0465		2.26	1.78		mg/kg dry	*	79	12 - 133	13	50	
Benzo (g,h,i) perylene	<0.0465		2.26	1.67		mg/kg dry	*	74	22 - 120	7	50	
Benzo (k) fluoranthene	<0.0465		2.26	1.67		mg/kg dry	*	74	28 - 120	3	45	
4-Bromophenyl phenyl ether	<0.228		2.26	1.68		mg/kg dry	*	74	31 - 120	0.9	37	
Butyl benzyl phthalate	<0.228		2.26	2.20		mg/kg dry	*	98	24 - 133	7	50	
Carbazole	<0.228		2.26	1.64		mg/kg dry	*	72	25 - 123	5	46	
4-Chloro-3-methylphenol	<0.228		2.26	1.59		mg/kg dry	*	70	21 - 120	7	49	
4-Chloroaniline	<0.228		2.26	1.53		mg/kg dry	*	68	26 - 120	7	50	
Bis(2-chloroethoxy)methane	<0.228		2.26	1.61		mg/kg dry	*	71	24 - 120	11	50	
Bis(2-chloroethyl)ether	<0.228		2.26	1.66		mg/kg dry	*	74	22 - 120	10	50	
Bis(2-chloroisopropyl)ether	<0.228		2.26	1.69		mg/kg dry	*	75	20 - 120	10	50	
2-Chloronaphthalene	<0.228		2.26	1.31		mg/kg dry	*	58	24 - 120	14	50	
2-Chlorophenol	<0.228		2.26	1.64		mg/kg dry	*	73	25 - 120	13	50	
4-Chlorophenyl phenyl ether	<0.228		2.26	1.56		mg/kg dry	*	69	26 - 120	4	50	
Chrysene	<0.0465		2.26	1.54		mg/kg dry	*	68	20 - 120	4	49	
Dibenz (a,h) anthracene	<0.0465		2.26	1.71		mg/kg dry	*	76	12 - 128	6	50	
Dibenzofuran	<0.228		2.26	1.52		mg/kg dry	*	67	21 - 120	1	50	
Di-n-butyl phthalate	<0.228		2.26	1.89		mg/kg dry	*	84	29 - 126	6	49	
1,4-Dichlorobenzene	<0.228		2.26	1.23		mg/kg dry	*	54	10 - 120	14	50	
1,2-Dichlorobenzene	<0.228		2.26	1.26		mg/kg dry	*	56	10 - 120	16	50	
1,3-Dichlorobenzene	<0.228		2.26	1.25		mg/kg dry	*	56	10 - 120	16	50	
3,3-Dichlorobenzidine	<0.228		2.26	1.79		mg/kg dry	*	79	10 - 120	9	50	
2,4-Dichlorophenol	<0.228		2.26	1.55		mg/kg dry	*	69	17 - 120	8	50	
Diethyl phthalate	<0.228		2.26	1.59		mg/kg dry	*	70	29 - 122	0.9	45	
2,4-Dimethylphenol	<0.263		2.26	1.59		mg/kg dry	*	71	17 - 120	9	50	
Dimethyl phthalate	<0.228		2.26	1.65		mg/kg dry	*	73	30 - 120	7	46	
4,6-Dinitro-2-methylphenol	<0.228	L	2.26	2.37		mg/kg dry	*	105	10 - 134	8	50	
2,4-Dinitrophenol	<0.228	L	2.26	1.66		mg/kg dry	*	73	10 - 150	14	50	
2,6-Dinitrotoluene	<0.228		2.26	1.63		mg/kg dry	*	72	24 - 120	8	50	
2,4-Dinitrotoluene	<0.228		2.26	1.51		mg/kg dry	*	67	24 - 121	0.08	50	
Di-n-octyl phthalate	<0.228		2.26	2.32		mg/kg dry	*	103	27 - 130	8	50	
Bis(2-ethylhexyl)phthalate	<0.228	L	2.26	2.31		mg/kg dry	*	102	26 - 120	6	50	
Fluoranthene	<0.0465		2.26	1.64		mg/kg dry	*	73	10 - 143	7	50	
Fluorene	<0.0465		2.26	1.53		mg/kg dry	*	68	20 - 120	1	50	
Hexachlorobenzene	<0.228		2.26	1.64		mg/kg dry	*	73	25 - 120	2	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C4685-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C4685**

**Client Sample ID: TRACT 35 SB-7 (20-24)**

**Prep Type: Total**

**Prep Batch: 12C4685\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
Hexachlorobutadiene	<0.228		2.26	1.49		mg/kg dry	*	66	10 - 120	15	50	
Hexachlorocyclopentadiene	<0.228		2.26	1.38		mg/kg dry	*	61	10 - 120	20	50	
Hexachloroethane	<0.228		2.26	1.69		mg/kg dry	*	75	10 - 120	19	50	
Indeno (1,2,3-cd) pyrene	<0.0465		2.26	1.69		mg/kg dry	*	75	22 - 121	6	50	
Isophorone	<0.228		2.26	1.22		mg/kg dry	*	54	24 - 120	5	50	
2-Methylnaphthalene	<0.0465		2.26	1.50		mg/kg dry	*	66	13 - 120	10	50	
2-Methylphenol	<0.228		2.26	1.38		mg/kg dry	*	61	23 - 120	9	50	
3/4-Methylphenol	<0.228		2.26	1.34		mg/kg dry	*	59	19 - 120	8	50	
Naphthalene	<0.0465		2.26	1.60		mg/kg dry	*	71	10 - 120	11	50	
3-Nitroaniline	<0.228		2.26	1.88		mg/kg dry	*	83	31 - 120	6	49	
2-Nitroaniline	<0.228		2.26	1.93		mg/kg dry	*	85	31 - 120	12	50	
4-Nitroaniline	<0.228		2.26	1.64		mg/kg dry	*	72	28 - 120	3	49	
Nitrobenzene	<0.228		2.26	1.16		mg/kg dry	*	51	19 - 120	13	50	
4-Nitrophenol	<0.228		2.26	1.38		mg/kg dry	*	61	16 - 139	6	45	
2-Nitrophenol	<0.268		2.26	1.85		mg/kg dry	*	82	23 - 120	11	50	
N-Nitrosodiphenylamine	<0.250		2.26	2.01		mg/kg dry	*	89	26 - 150	6	50	
N-Nitrosodi-n-propylamine	<0.228		2.26	1.58		mg/kg dry	*	70	24 - 120	7	50	
Pentachlorophenol	<0.228		2.26	1.52		mg/kg dry	*	67	19 - 145	19	50	
Phenanthrene	<0.0465		2.26	1.58		mg/kg dry	*	70	21 - 122	7	50	
Phenol	<0.228		2.26	1.77		mg/kg dry	*	78	15 - 120	10	50	
Pyrene	<0.0465		2.26	1.75		mg/kg dry	*	77	20 - 123	8	50	
1,2,4-Trichlorobenzene	<0.228		2.26	1.10		mg/kg dry	*	49	14 - 120	10	50	
2,4,6-Trichlorophenol	<0.228		2.26	1.84		mg/kg dry	*	82	24 - 122	9	50	
2,4,5-Trichlorophenol	<0.228		2.26	1.41		mg/kg dry	*	62	27 - 120	8	50	

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits
Terphenyl-d14	80		18 - 120
2,4,6-Tribromophenol	53		19 - 120
Phenol-d5	60		18 - 120
2-Fluorobiphenyl	58		14 - 120
2-Fluorophenol	62		17 - 120
Nitrobenzene-d5	56		17 - 120

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

**Lab Sample ID: 12C4621-BLK1**

**Matrix: Water**

**Analysis Batch: V004824**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4621\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
delta-BHC	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
alpha-BHC	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
beta-BHC	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
gamma-BHC (Lindane)	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
alpha-Chlordane	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
gamma-Chlordane	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
Chlordane	<1.00		2.00	1.00	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
4,4'-DDD	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12C4621-BLK1**

**Matrix: Water**

**Analysis Batch: V004824**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4621\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
4,4'-DDT	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
Dieldrin	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
Endosulfan I	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
Endosulfan II	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
Endosulfan sulfate	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
Endrin	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
Endrin aldehyde	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
Endrin ketone	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
Heptachlor	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
Heptachlor epoxide	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
Methoxychlor	<0.0130		0.0250	0.0130	ug/L		03/22/12 15:05	03/23/12 12:16	1.00
Toxaphene	<1.00		2.00	1.00	ug/L		03/22/12 15:05	03/23/12 12:16	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	108		38 - 150	03/22/12 15:05	03/23/12 12:16	1.00
Decachlorobiphenyl	88		10 - 141	03/22/12 15:05	03/23/12 12:16	1.00

**Lab Sample ID: 12C4621-BS1**

**Matrix: Water**

**Analysis Batch: V004824**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4621\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.360	MNR1	ug/L		72	38 - 128
delta-BHC	0.500	0.480	MNR1	ug/L		96	35 - 145
alpha-BHC	0.500	0.545	MNR1	ug/L		109	47 - 136
beta-BHC	0.500	0.550	MNR1	ug/L		110	50 - 140
gamma-BHC (Lindane)	0.500	0.555	MNR1	ug/L		111	50 - 138
alpha-Chlordane	0.500	0.530	MNR1	ug/L		106	49 - 137
gamma-Chlordane	0.500	0.515	MNR1	ug/L		103	46 - 143
4,4'-DDD	0.500	0.550	MNR1	ug/L		110	51 - 150
4,4'-DDE	0.500	0.520	MNR1	ug/L		104	49 - 138
4,4'-DDT	0.500	0.570	MNR1	ug/L		114	33 - 150
Dieldrin	0.500	0.550	MNR1	ug/L		110	49 - 136
Endosulfan I	0.500	0.555	MNR1	ug/L		111	10 - 150
Endosulfan II	0.500	0.570	MNR1	ug/L		114	11 - 150
Endosulfan sulfate	0.500	0.505	MNR1	ug/L		101	43 - 150
Endrin	0.500	0.545	MNR1	ug/L		109	54 - 150
Endrin aldehyde	0.500	0.565	MNR1	ug/L		113	50 - 150
Endrin ketone	0.500	0.615	MNR1	ug/L		123	50 - 147
Heptachlor	0.500	0.400	MNR1	ug/L		80	43 - 146
Heptachlor epoxide	0.500	0.565	MNR1	ug/L		113	50 - 136
Methoxychlor	0.500	0.520	MNR1	ug/L		104	35 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	113		38 - 150
Decachlorobiphenyl	88		10 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12C4621-BS2**

**Matrix: Water**

**Analysis Batch: V004824**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4621\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chlordane	5.00	5.18	MNR1	ug/L		104	49 - 150
Toxaphene	10.0	13.0	MNR1	ug/L		130	34 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	126		38 - 150
Decachlorobiphenyl	85		10 - 141

**Lab Sample ID: 12C4684-BLK1**

**Matrix: Soil**

**Analysis Batch: V005175**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C4684\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
delta-BHC	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
alpha-BHC	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
beta-BHC	<0.000840		0.00330	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
gamma-BHC (Lindane)	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
alpha-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
gamma-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Chlordane	<0.0333		0.0667	0.0333	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
4,4'-DDD	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
4,4'-DDE	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
4,4'-DDT	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Dieldrin	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Endosulfan I	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Endosulfan II	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Endosulfan sulfate	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Endrin	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Endrin aldehyde	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Endrin ketone	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Heptachlor	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Heptachlor epoxide	<0.000840		0.00170	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Methoxychlor	<0.000840		0.00330	0.000840	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00
Toxaphene	<0.0422		0.0667	0.0422	mg/kg wet		03/29/12 09:00	03/29/12 20:00	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	82		21 - 145	03/29/12 09:00	03/29/12 20:00	1.00
Decachlorobiphenyl	94		25 - 150	03/29/12 09:00	03/29/12 20:00	1.00

**Lab Sample ID: 12C4684-BS1**

**Matrix: Soil**

**Analysis Batch: V005175**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4684\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aldrin	0.0167	0.0143		mg/kg wet		86	47 - 132
delta-BHC	0.0167	0.0123		mg/kg wet		74	10 - 149
alpha-BHC	0.0167	0.0140		mg/kg wet		84	45 - 128
beta-BHC	0.0167	0.0140		mg/kg wet		84	48 - 135
gamma-BHC (Lindane)	0.0167	0.0143		mg/kg wet		86	48 - 131



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12C4684-BS1**

**Matrix: Soil**

**Analysis Batch: V005175**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4684\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
alpha-Chlordane	0.0167	0.0153		mg/kg wet		92	47 - 134	
gamma-Chlordane	0.0167	0.0153		mg/kg wet		92	48 - 145	
4,4'-DDD	0.0167	0.0150		mg/kg wet		90	46 - 149	
4,4'-DDE	0.0167	0.0157		mg/kg wet		94	48 - 139	
4,4'-DDT	0.0167	0.0147		mg/kg wet		88	24 - 150	
Dieldrin	0.0167	0.0153		mg/kg wet		92	42 - 137	
Endosulfan I	0.0167	0.0157		mg/kg wet		94	10 - 150	
Endosulfan II	0.0167	0.0147		mg/kg wet		88	12 - 150	
Endosulfan sulfate	0.0167	0.0150		mg/kg wet		90	36 - 148	
Endrin	0.0167	0.0150		mg/kg wet		90	46 - 145	
Endrin aldehyde	0.0167	0.0157		mg/kg wet		94	48 - 150	
Endrin ketone	0.0167	0.0173		mg/kg wet		104	43 - 150	
Heptachlor	0.0167	0.0147		mg/kg wet		88	45 - 140	
Heptachlor epoxide	0.0167	0.0150		mg/kg wet		90	47 - 133	
Methoxychlor	0.0167	0.0157		mg/kg wet		94	23 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	84		21 - 145
Decachlorobiphenyl	92		25 - 150

**Lab Sample ID: 12C4684-BS2**

**Matrix: Soil**

**Analysis Batch: V005175**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C4684\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Chlordane	0.167	0.153		mg/kg wet		92	50 - 150	
Toxaphene	0.333	0.336		mg/kg wet		101	10 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	92		21 - 145
Decachlorobiphenyl	99		25 - 150

**Lab Sample ID: 12C4684-MS1**

**Matrix: Soil**

**Analysis Batch: V005175**

**Client Sample ID: TRACT 35 SB-7 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4684\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Aldrin	<0.00228		0.0450	0.0351		mg/kg dry	☼	78	11 - 140	
delta-BHC	<0.00228		0.0450	0.0297		mg/kg dry	☼	66	10 - 149	
alpha-BHC	<0.00228		0.0450	0.0351		mg/kg dry	☼	78	23 - 138	
beta-BHC	<0.00228		0.0450	0.0342		mg/kg dry	☼	76	12 - 179	
gamma-BHC (Lindane)	<0.00228		0.0450	0.0351		mg/kg dry	☼	78	24 - 145	
alpha-Chlordane	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	10 - 140	
gamma-Chlordane	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	10 - 150	
4,4'-DDD	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	10 - 154	
4,4'-DDE	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	14 - 139	
4,4'-DDT	<0.00228		0.0450	0.0351		mg/kg dry	☼	78	10 - 152	
Dieldrin	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	10 - 148	
Endosulfan I	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	10 - 158	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12C4684-MS1**

**Matrix: Soil**

**Analysis Batch: V005175**

**Client Sample ID: TRACT 35 SB-7 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4684\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Endosulfan II	<0.00228		0.0450	0.0351		mg/kg dry	☼	78	10 - 152	
Endosulfan sulfate	<0.00228		0.0450	0.0342		mg/kg dry	☼	76	10 - 148	
Endrin	<0.00228		0.0450	0.0369		mg/kg dry	☼	82	20 - 145	
Endrin aldehyde	<0.00228		0.0450	0.0351		mg/kg dry	☼	78	13 - 167	
Endrin ketone	<0.00228		0.0450	0.0387		mg/kg dry	☼	86	13 - 150	
Heptachlor	<0.00228		0.0450	0.0360		mg/kg dry	☼	80	10 - 161	
Heptachlor epoxide	<0.00228		0.0450	0.0342		mg/kg dry	☼	76	15 - 139	
Methoxychlor	<0.00228		0.0450	0.0369		mg/kg dry	☼	82	10 - 175	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
Tetrachloro-meta-xylene	48		21 - 145
Decachlorobiphenyl	50		25 - 150

**Lab Sample ID: 12C4684-MSD1**

**Matrix: Soil**

**Analysis Batch: V005175**

**Client Sample ID: TRACT 35 SB-7 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4684\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
Aldrin	<0.00228		0.0453	0.0362		mg/kg dry	☼	80	11 - 140	3	50		
delta-BHC	<0.00228		0.0453	0.0290		mg/kg dry	☼	64	10 - 149	2	50		
alpha-BHC	<0.00228		0.0453	0.0335		mg/kg dry	☼	74	23 - 138	5	50		
beta-BHC	<0.00228		0.0453	0.0353		mg/kg dry	☼	78	12 - 179	3	50		
gamma-BHC (Lindane)	<0.00228		0.0453	0.0344		mg/kg dry	☼	76	24 - 145	2	50		
alpha-Chlordane	<0.00228		0.0453	0.0317		mg/kg dry	☼	70	10 - 140	13	50		
gamma-Chlordane	<0.00228		0.0453	0.0317		mg/kg dry	☼	70	10 - 150	13	50		
4,4'-DDD	<0.00228		0.0453	0.0335		mg/kg dry	☼	74	10 - 154	7	50		
4,4'-DDE	<0.00228		0.0453	0.0326		mg/kg dry	☼	72	14 - 139	10	50		
4,4'-DDT	<0.00228		0.0453	0.0317		mg/kg dry	☼	70	10 - 152	10	50		
Dieldrin	<0.00228		0.0453	0.0326		mg/kg dry	☼	72	10 - 148	10	50		
Endosulfan I	<0.00228		0.0453	0.0326		mg/kg dry	☼	72	10 - 158	10	50		
Endosulfan II	<0.00228		0.0453	0.0317		mg/kg dry	☼	70	10 - 152	10	50		
Endosulfan sulfate	<0.00228		0.0453	0.0317		mg/kg dry	☼	70	10 - 148	8	50		
Endrin	<0.00228		0.0453	0.0344		mg/kg dry	☼	76	20 - 145	7	50		
Endrin aldehyde	<0.00228		0.0453	0.0308		mg/kg dry	☼	68	13 - 167	13	50		
Endrin ketone	<0.00228		0.0453	0.0353		mg/kg dry	☼	78	13 - 150	9	50		
Heptachlor	<0.00228		0.0453	0.0381		mg/kg dry	☼	84	10 - 161	6	50		
Heptachlor epoxide	<0.00228		0.0453	0.0308		mg/kg dry	☼	68	15 - 139	10	50		
Methoxychlor	<0.00228		0.0453	0.0326		mg/kg dry	☼	72	10 - 175	12	50		

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
Tetrachloro-meta-xylene	44		21 - 145
Decachlorobiphenyl	40		25 - 150

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

**Lab Sample ID: 12C4623-BLK1**  
**Matrix: Water**  
**Analysis Batch: V004813**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C4623\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.250		0.500	0.250	ug/L		03/22/12 15:05	03/23/12 10:35	1.00
PCB-1221	<0.250		0.500	0.250	ug/L		03/22/12 15:05	03/23/12 10:35	1.00
PCB-1232	<0.250		0.500	0.250	ug/L		03/22/12 15:05	03/23/12 10:35	1.00
PCB-1242	<0.250		0.500	0.250	ug/L		03/22/12 15:05	03/23/12 10:35	1.00
PCB-1248	<0.250		0.500	0.250	ug/L		03/22/12 15:05	03/23/12 10:35	1.00
PCB-1254	<0.250		0.500	0.250	ug/L		03/22/12 15:05	03/23/12 10:35	1.00
PCB-1260	<0.250		0.500	0.250	ug/L		03/22/12 15:05	03/23/12 10:35	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	100		17 - 142	03/22/12 15:05	03/23/12 10:35	1.00
Decachlorobiphenyl	83		10 - 149	03/22/12 15:05	03/23/12 10:35	1.00

**Lab Sample ID: 12C4623-BS1**  
**Matrix: Water**  
**Analysis Batch: V004813**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C4623\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1254	5.00	5.00	MNR1	ug/L		100	11 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	101		17 - 142
Decachlorobiphenyl	72		10 - 149

**Lab Sample ID: 12C4651-BLK1**  
**Matrix: Soil**  
**Analysis Batch: V004813**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C4651\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0210		0.0333	0.0210	mg/kg wet		03/23/12 05:35	03/23/12 14:54	1.00
PCB-1221	<0.0110		0.0333	0.0110	mg/kg wet		03/23/12 05:35	03/23/12 14:54	1.00
PCB-1232	<0.0160		0.0333	0.0160	mg/kg wet		03/23/12 05:35	03/23/12 14:54	1.00
PCB-1242	<0.0260		0.0333	0.0260	mg/kg wet		03/23/12 05:35	03/23/12 14:54	1.00
PCB-1248	<0.0300		0.0333	0.0300	mg/kg wet		03/23/12 05:35	03/23/12 14:54	1.00
PCB-1254	<0.0110		0.0333	0.0110	mg/kg wet		03/23/12 05:35	03/23/12 14:54	1.00
PCB-1260	<0.0280		0.0333	0.0280	mg/kg wet		03/23/12 05:35	03/23/12 14:54	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	90		19 - 147	03/23/12 05:35	03/23/12 14:54	1.00
Decachlorobiphenyl	94		20 - 150	03/23/12 05:35	03/23/12 14:54	1.00

**Lab Sample ID: 12C4651-BS1**  
**Matrix: Soil**  
**Analysis Batch: V004813**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C4651\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1254	0.167	0.165		mg/kg wet		99	72 - 137

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A (Continued)

**Lab Sample ID: 12C4651-BS1**  
**Matrix: Soil**  
**Analysis Batch: V004813**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C4651\_P**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	94		19 - 147
Decachlorobiphenyl	98		20 - 150

**Lab Sample ID: 12C4651-MS1**  
**Matrix: Soil**  
**Analysis Batch: V004813**

**Client Sample ID: TRACT 35 SB-7 (20-24)**  
**Prep Type: Total**  
**Prep Batch: 12C4651\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
	PCB-1254	<0.0150		0.227	0.194		mg/kg dry	☼	85

Surrogate	Matrix Spike		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	76		19 - 147
Decachlorobiphenyl	76		20 - 150

**Lab Sample ID: 12C4651-MSD1**  
**Matrix: Soil**  
**Analysis Batch: V004813**

**Client Sample ID: TRACT 35 SB-7 (20-24)**  
**Prep Type: Total**  
**Prep Batch: 12C4651\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	PCB-1254	<0.0150		0.232	0.223		mg/kg dry	☼	96	32 - 160	14

Surrogate	Matrix Spike Dup		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	90		19 - 147
Decachlorobiphenyl	92		20 - 150

## Method: SW846 6010C - Total Metals by EPA 6010C

**Lab Sample ID: 12C4742-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C4742**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C4742\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Aluminum	<9.98		20.0	9.98	mg/kg wet		03/30/12 03:26	04/04/12 02:48
Antimony	<4.99		9.98	4.99	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Arsenic	<0.499		0.998	0.499	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Barium	<0.998		2.00	0.998	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Beryllium	<0.499		0.998	0.499	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Cadmium	<0.499		0.998	0.499	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Calcium	58.3 J		99.8	49.9	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Chromium	<0.499		0.998	0.499	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Cobalt	<1.50		2.99	1.50	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Copper	<0.998		2.00	0.998	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Lead	<0.499		0.998	0.499	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Magnesium	<49.9		99.8	49.9	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Manganese	<1.50		2.99	1.50	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Nickel	<0.998		2.00	0.998	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Potassium	<49.9		99.8	49.9	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Selenium	<0.998		2.00	0.998	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Silver	<0.499		0.998	0.499	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C4742-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C4742**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C4742\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<99.8		200	99.8	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Thallium	<0.998		2.00	0.998	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Vanadium	<4.99		9.98	4.99	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00
Zinc	<4.99		9.98	4.99	mg/kg wet		03/30/12 03:26	04/04/12 02:48	1.00

**Lab Sample ID: 12C4742-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C4742**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C4742\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<4.99		9.98	4.99	mg/kg wet		03/30/12 03:26	04/04/12 11:59	1.00

**Lab Sample ID: 12C4742-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C4742**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C4742\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
Aluminum	768	793		mg/kg wet		103	80 - 120	
Antimony	38.4	40.4		mg/kg wet		105	80 - 120	
Arsenic	19.2	20.0		mg/kg wet		104	80 - 120	
Barium	768	841		mg/kg wet		110	80 - 120	
Beryllium	19.2	20.5		mg/kg wet		107	80 - 120	
Cadmium	19.2	20.6		mg/kg wet		107	80 - 120	
Calcium	1920	2020	B	mg/kg wet		105	80 - 120	
Chromium	76.8	79.1		mg/kg wet		103	80 - 120	
Cobalt	192	200		mg/kg wet		104	80 - 120	
Copper	96.0	99.4		mg/kg wet		104	80 - 120	
Iron	384	415		mg/kg wet		108	80 - 120	
Lead	19.2	21.5		mg/kg wet		112	80 - 120	
Magnesium	1920	2070		mg/kg wet		108	80 - 120	
Manganese	192	206		mg/kg wet		107	80 - 120	
Nickel	192	205		mg/kg wet		107	80 - 120	
Potassium	1920	1910		mg/kg wet		100	80 - 120	
Selenium	19.2	20.3		mg/kg wet		106	80 - 120	
Silver	19.2	19.8		mg/kg wet		103	75 - 125	
Sodium	1920	2090		mg/kg wet		109	80 - 120	
Thallium	19.2	20.3		mg/kg wet		106	80 - 120	
Vanadium	192	201		mg/kg wet		105	80 - 120	
Zinc	192	199		mg/kg wet		104	80 - 120	

**Lab Sample ID: 12C4742-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 12C4742**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 12C4742\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Aluminum	808	834		mg/kg wet		103	80 - 120	5	20
Antimony	40.4	42.8		mg/kg wet		106	80 - 120	6	20
Arsenic	20.2	21.1		mg/kg wet		104	80 - 120	5	20
Barium	808	888		mg/kg wet		110	80 - 120	5	20
Beryllium	20.2	21.4		mg/kg wet		106	80 - 120	5	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C4742-BSD1**

**Matrix: Soil**

**Analysis Batch: 12C4742**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C4742\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Cadmium	20.2	21.7		mg/kg wet		107	80 - 120	5	20	
Calcium	2020	2130	B	mg/kg wet		105	80 - 120	5	20	
Chromium	80.8	83.4		mg/kg wet		103	80 - 120	5	20	
Cobalt	202	211		mg/kg wet		104	80 - 120	5	20	
Copper	101	105		mg/kg wet		104	80 - 120	5	20	
Iron	404	441		mg/kg wet		109	80 - 120	6	20	
Lead	20.2	22.6		mg/kg wet		112	80 - 120	5	20	
Magnesium	2020	2190		mg/kg wet		108	80 - 120	5	20	
Manganese	202	217		mg/kg wet		107	80 - 120	5	20	
Nickel	202	216		mg/kg wet		107	80 - 120	5	20	
Potassium	2020	2020		mg/kg wet		100	80 - 120	5	20	
Selenium	20.2	21.6		mg/kg wet		107	80 - 120	6	20	
Silver	20.2	20.9		mg/kg wet		103	75 - 125	5	20	
Sodium	2020	2200		mg/kg wet		109	80 - 120	5	20	
Thallium	20.2	21.1		mg/kg wet		104	80 - 120	3	20	
Vanadium	202	212		mg/kg wet		105	80 - 120	5	20	
Zinc	202	211		mg/kg wet		104	80 - 120	5	20	

**Lab Sample ID: 12C4742-MS1**

**Matrix: Soil**

**Analysis Batch: 12C4742**

**Client Sample ID: TRACT 35 SB-7 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4742\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	12400	MHA	2190	30300	MHA	mg/kg dry	☼	819	75 - 125	
Antimony	<13.7		110	105		mg/kg dry	☼	96	75 - 125	
Arsenic	20.0		54.8	79.8		mg/kg dry	☼	109	75 - 125	
Barium	33.8		2190	2260		mg/kg dry	☼	102	75 - 125	
Beryllium	<1.37		54.8	57.4		mg/kg dry	☼	105	75 - 125	
Cadmium	<1.37		54.8	55.3		mg/kg dry	☼	101	75 - 125	
Calcium	95800	B MHA	5480	96800	B MHA	mg/kg dry	☼	18	75 - 125	
Chromium	39.8		219	276		mg/kg dry	☼	108	75 - 125	
Cobalt	5.37	J	548	598		mg/kg dry	☼	108	75 - 125	
Copper	18.8		274	287		mg/kg dry	☼	98	75 - 125	
Iron	25600	MHA	1100	35600	MHA	mg/kg dry	☼	910	75 - 125	
Lead	33.9		54.8	93.6		mg/kg dry	☼	109	75 - 125	
Magnesium	8650	M7	5480	15600	M7	mg/kg dry	☼	127	75 - 125	
Manganese	314		548	873		mg/kg dry	☼	102	75 - 125	
Nickel	19.0		548	626		mg/kg dry	☼	111	75 - 125	
Potassium	2800		5480	8950		mg/kg dry	☼	112	75 - 125	
Selenium	<2.74		54.8	57.8		mg/kg dry	☼	106	75 - 125	
Silver	<1.37		54.8	49.7		mg/kg dry	☼	91	75 - 125	
Sodium	11600	M8	5480	15400	M8	mg/kg dry	☼	70	75 - 125	
Thallium	<2.74		54.8	56.6		mg/kg dry	☼	103	75 - 125	
Vanadium	45.4		548	612		mg/kg dry	☼	103	75 - 125	
Zinc	88.7		548	670		mg/kg dry	☼	106	75 - 125	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C4742-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C4742**

**Client Sample ID: TRACT 35 SB-7 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C4742\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Dup	Matrix Spike	Dup	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier	Unit	Limits			RPD			
Aluminum	12400	MHA	2190	28100	MHA	mg/kg dry	721	*	721	75 - 125	7	20	
Antimony	<13.7		109	103		mg/kg dry	94	*	94	75 - 125	2	20	
Arsenic	20.0		54.7	77.2		mg/kg dry	105	*	105	75 - 125	3	20	
Barium	33.8		2190	2210		mg/kg dry	99	*	99	75 - 125	3	20	
Beryllium	<1.37		54.7	55.8		mg/kg dry	102	*	102	75 - 125	3	20	
Cadmium	<1.37		54.7	53.8		mg/kg dry	99	*	99	75 - 125	3	20	
Calcium	95800	B MHA	5470	91700	B MHA	mg/kg dry	-74	*	-74	75 - 125	5	20	
Chromium	39.8		219	266		mg/kg dry	104	*	104	75 - 125	4	20	
Cobalt	5.37	J	547	581		mg/kg dry	105	*	105	75 - 125	3	20	
Copper	18.8		273	279		mg/kg dry	95	*	95	75 - 125	3	20	
Iron	25600	MHA	1090	33000	MHA	mg/kg dry	670	*	670	75 - 125	8	20	
Lead	33.9		54.7	93.2		mg/kg dry	109	*	109	75 - 125	0.4	20	
Magnesium	8650	M7	5470	14600		mg/kg dry	109	*	109	75 - 125	7	20	
Manganese	314		547	834		mg/kg dry	95	*	95	75 - 125	5	20	
Nickel	19.0		547	608		mg/kg dry	108	*	108	75 - 125	3	20	
Potassium	2800		5470	8400		mg/kg dry	102	*	102	75 - 125	6	20	
Selenium	<2.74		54.7	53.6		mg/kg dry	98	*	98	75 - 125	8	20	
Silver	<1.37		54.7	49.0		mg/kg dry	90	*	90	75 - 125	1	20	
Sodium	11600	M8	5470	15300	M8	mg/kg dry	69	*	69	75 - 125	0.5	20	
Thallium	<2.74		54.7	54.3		mg/kg dry	99	*	99	75 - 125	4	20	
Vanadium	45.4		547	598		mg/kg dry	101	*	101	75 - 125	2	20	
Zinc	88.7		547	630		mg/kg dry	99	*	99	75 - 125	6	20	

**Lab Sample ID: 12C5096-BLK1**

**Matrix: Water**

**Analysis Batch: 12C5096**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C5096\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Calcium	<0.500		1.00	0.500	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Iron	0.0275	J	0.0500	0.0250	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Magnesium	<0.500		1.00	0.500	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Potassium	<0.500		1.00	0.500	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		04/01/12 10:00	04/03/12 22:20	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		04/01/12 10:00	04/03/12 22:20	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C5096-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C5096**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C5096\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.500		1.00	0.500	mg/L		04/01/12 10:00	04/04/12 13:54	1.00

**Lab Sample ID: 12C5096-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C5096**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C5096\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.96		mg/L		98	80 - 120
Antimony	0.100	0.102		mg/L		102	80 - 120
Arsenic	0.0500	0.0466		mg/L		93	80 - 120
Barium	2.00	2.08		mg/L		104	80 - 120
Beryllium	0.0500	0.0517		mg/L		103	80 - 120
Cadmium	0.0500	0.0500		mg/L		100	80 - 120
Calcium	5.00	5.14		mg/L		103	80 - 120
Chromium	0.200	0.204		mg/L		102	80 - 120
Cobalt	0.500	0.516		mg/L		103	80 - 120
Copper	0.250	0.243		mg/L		97	80 - 120
Iron	1.00	0.991	B	mg/L		99	80 - 120
Lead	0.0500	0.0528		mg/L		106	80 - 120
Magnesium	5.00	5.26		mg/L		105	80 - 120
Manganese	0.500	0.508		mg/L		102	80 - 120
Nickel	0.500	0.518		mg/L		104	80 - 120
Potassium	5.00	5.19		mg/L		104	80 - 120
Selenium	0.0500	0.0491		mg/L		98	80 - 120
Silver	0.0500	0.0501		mg/L		100	80 - 120
Sodium	5.00	5.95		mg/L		119	80 - 120
Thallium	0.0500	0.0513		mg/L		103	80 - 120
Vanadium	0.500	0.498		mg/L		100	80 - 120
Zinc	0.500	0.492		mg/L		98	80 - 120

**Lab Sample ID: 12C5096-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C5096**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12C5096\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	<0.0500		2.00	1.88		mg/L		94	75 - 125
Antimony	<0.00500		0.100	0.0977		mg/L		98	75 - 125
Arsenic	<0.00500		0.0500	0.0504		mg/L		101	75 - 125
Barium	0.0952		2.00	2.07		mg/L		99	75 - 125
Beryllium	<0.00200		0.0500	0.0497		mg/L		99	75 - 125
Cadmium	<0.000600		0.0500	0.0502		mg/L		100	75 - 125
Calcium	7.52		5.00	12.5		mg/L		99	75 - 125
Chromium	<0.00250		0.200	0.198		mg/L		99	75 - 125
Cobalt	<0.0100		0.500	0.522		mg/L		104	75 - 125
Copper	0.0309		0.250	0.265		mg/L		94	75 - 125
Iron	0.640		1.00	1.59	B	mg/L		95	75 - 125
Lead	<0.00250		0.0500	0.0541		mg/L		108	75 - 125
Magnesium	2.82		5.00	7.70		mg/L		98	75 - 125
Manganese	<0.00750		0.500	0.491		mg/L		98	75 - 125
Nickel	<0.00500		0.500	0.525		mg/L		105	75 - 125



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C5096-MS1**

**Matrix: Water**

**Analysis Batch: 12C5096**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C5096\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Potassium	2.85		5.00	7.70		mg/L		97	75 - 125	
Selenium	<0.00500		0.0500	0.0496		mg/L		99	75 - 125	
Silver	<0.00250		0.0500	0.0501		mg/L		100	75 - 125	
Sodium	297		5.00	295	MHA	mg/L		-28	75 - 125	
Thallium	<0.00500		0.0500	0.0480		mg/L		96	75 - 125	
Vanadium	<0.0100		0.500	0.483		mg/L		97	75 - 125	
Zinc	0.0336		0.500	0.532		mg/L		100	75 - 125	

**Lab Sample ID: 12C5096-MSD1**

**Matrix: Water**

**Analysis Batch: 12C5096**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C5096\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aluminum	<0.0500		2.00	1.78		mg/L		89	75 - 125	5	20	
Antimony	<0.00500		0.100	0.0935		mg/L		94	75 - 125	4	20	
Arsenic	<0.00500		0.0500	0.0467		mg/L		93	75 - 125	8	20	
Barium	0.0952		2.00	1.99		mg/L		95	75 - 125	4	20	
Beryllium	<0.00200		0.0500	0.0476		mg/L		95	75 - 125	4	20	
Cadmium	<0.000600		0.0500	0.0483		mg/L		97	75 - 125	4	20	
Calcium	7.52		5.00	12.0		mg/L		89	75 - 125	4	20	
Chromium	<0.00250		0.200	0.191		mg/L		95	75 - 125	4	20	
Cobalt	<0.0100		0.500	0.498		mg/L		100	75 - 125	5	20	
Copper	0.0309		0.250	0.260		mg/L		92	75 - 125	2	20	
Iron	0.640		1.00	1.50	B	mg/L		86	75 - 125	6	20	
Lead	<0.00250		0.0500	0.0517		mg/L		103	75 - 125	5	20	
Magnesium	2.82		5.00	7.38		mg/L		91	75 - 125	4	20	
Manganese	<0.00750		0.500	0.469		mg/L		94	75 - 125	5	20	
Nickel	<0.00500		0.500	0.501		mg/L		100	75 - 125	5	20	
Potassium	2.85		5.00	7.39		mg/L		91	75 - 125	4	20	
Selenium	<0.00500		0.0500	0.0464		mg/L		93	75 - 125	7	20	
Silver	<0.00250		0.0500	0.0489		mg/L		98	75 - 125	2	20	
Sodium	297		5.00	288	MHA	mg/L		-180	75 - 125	3	20	
Thallium	<0.00500		0.0500	0.0467		mg/L		93	75 - 125	3	20	
Vanadium	<0.0100		0.500	0.464		mg/L		93	75 - 125	4	20	
Zinc	0.0336		0.500	0.510		mg/L		95	75 - 125	4	20	

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 12C5211-BLK1**

**Matrix: Water**

**Analysis Batch: 12C5211**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 12C5211\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Calcium	<0.500		1.00	0.500	mg/L		04/02/12 08:15	04/03/12 18:40	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12C5211-BLK1**

**Matrix: Water**

**Analysis Batch: 12C5211**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 12C5211\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.00250		0.00500	0.00250	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Magnesium	<0.500		1.00	0.500	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Potassium	<0.500		1.00	0.500	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Sodium	<0.500		1.00	0.500	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		04/02/12 08:15	04/03/12 18:40	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		04/02/12 08:15	04/03/12 18:40	1.00

**Lab Sample ID: 12C5211-BS1**

**Matrix: Water**

**Analysis Batch: 12C5211**

**Client Sample ID: Lab Control Sample**

**Prep Type: Dissolved**

**Prep Batch: 12C5211\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	Limits
Aluminum	2.00	2.06		mg/L		103		80 - 120
Antimony	0.100	0.110		mg/L		110		80 - 120
Arsenic	0.0500	0.0444		mg/L		89		80 - 120
Barium	2.00	2.06		mg/L		103		80 - 120
Beryllium	0.0500	0.0521		mg/L		104		80 - 120
Cadmium	0.0500	0.0517		mg/L		103		80 - 120
Calcium	5.00	5.10		mg/L		102		80 - 120
Chromium	0.200	0.200		mg/L		100		80 - 120
Cobalt	0.500	0.524		mg/L		105		80 - 120
Copper	0.250	0.263		mg/L		105		80 - 120
Iron	1.00	1.08		mg/L		108		80 - 120
Lead	0.0500	0.0540		mg/L		108		80 - 120
Magnesium	5.00	5.30		mg/L		106		80 - 120
Manganese	0.500	0.521		mg/L		104		80 - 120
Nickel	0.500	0.522		mg/L		104		80 - 120
Potassium	5.00	5.23		mg/L		105		80 - 120
Selenium	0.0500	0.0504		mg/L		101		80 - 120
Silver	0.0500	0.0498		mg/L		100		80 - 120
Sodium	5.00	5.17		mg/L		103		80 - 120
Thallium	0.0500	0.0520		mg/L		104		80 - 120
Vanadium	0.500	0.509		mg/L		102		80 - 120
Zinc	0.500	0.510		mg/L		102		80 - 120

**Lab Sample ID: 12C5211-MS1**

**Matrix: Water**

**Analysis Batch: 12C5211**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 12C5211\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	<0.0500		2.00	2.05		mg/L		102	75 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12C5211-MS1**

**Matrix: Water**

**Analysis Batch: 12C5211**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 12C5211\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Antimony	<0.00500		0.100	0.115		mg/L		115	75 - 125	
Arsenic	<0.00500		0.0500	0.0446		mg/L		89	75 - 125	
Barium	0.126		2.00	2.24		mg/L		106	75 - 125	
Beryllium	<0.00200		0.0500	0.0532		mg/L		106	75 - 125	
Cadmium	<0.000600		0.0500	0.0528		mg/L		106	75 - 125	
Calcium	38.4		5.00	44.0		mg/L		112	75 - 125	
Chromium	<0.00250		0.200	0.205		mg/L		103	75 - 125	
Cobalt	<0.0100		0.500	0.538		mg/L		108	75 - 125	
Copper	0.0480		0.250	0.308		mg/L		104	75 - 125	
Iron	<0.0250		1.00	1.03		mg/L		103	75 - 125	
Lead	<0.00250		0.0500	0.0520		mg/L		104	75 - 125	
Magnesium	8.72		5.00	14.1		mg/L		107	75 - 125	
Manganese	<0.00750		0.500	0.526		mg/L		105	75 - 125	
Nickel	<0.00500		0.500	0.542		mg/L		108	75 - 125	
Potassium	1.91		5.00	7.08		mg/L		103	75 - 125	
Selenium	<0.00500		0.0500	0.0526		mg/L		105	75 - 125	
Silver	<0.00250		0.0500	0.0519		mg/L		104	75 - 125	
Sodium	50.6		5.00	54.1	MHA	mg/L		70	75 - 125	
Thallium	<0.00500		0.0500	0.0512		mg/L		102	75 - 125	
Vanadium	<0.0100		0.500	0.523		mg/L		105	75 - 125	
Zinc	0.0380		0.500	0.556		mg/L		104	75 - 125	

**Lab Sample ID: 12C5211-MSD1**

**Matrix: Water**

**Analysis Batch: 12C5211**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 12C5211\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aluminum	<0.0500		2.00	2.01		mg/L		100	75 - 125	2	20	
Antimony	<0.00500		0.100	0.114		mg/L		114	75 - 125	1	20	
Arsenic	<0.00500		0.0500	0.0488		mg/L		98	75 - 125	9	20	
Barium	0.126		2.00	2.22		mg/L		105	75 - 125	0.7	20	
Beryllium	<0.00200		0.0500	0.0521		mg/L		104	75 - 125	2	20	
Cadmium	<0.000600		0.0500	0.0518		mg/L		104	75 - 125	2	20	
Calcium	38.4		5.00	42.8		mg/L		89	75 - 125	3	20	
Chromium	<0.00250		0.200	0.204		mg/L		102	75 - 125	0.5	20	
Cobalt	<0.0100		0.500	0.531		mg/L		106	75 - 125	1	20	
Copper	0.0480		0.250	0.306		mg/L		103	75 - 125	0.7	20	
Iron	<0.0250		1.00	1.06		mg/L		106	75 - 125	2	20	
Lead	<0.00250		0.0500	0.0518		mg/L		104	75 - 125	0.4	20	
Magnesium	8.72		5.00	13.7		mg/L		100	75 - 125	2	20	
Manganese	<0.00750		0.500	0.519		mg/L		104	75 - 125	1	20	
Nickel	<0.00500		0.500	0.535		mg/L		107	75 - 125	1	20	
Potassium	1.91		5.00	6.93		mg/L		100	75 - 125	2	20	
Selenium	<0.00500		0.0500	0.0509		mg/L		102	75 - 125	3	20	
Silver	<0.00250		0.0500	0.0515		mg/L		103	75 - 125	0.8	20	
Sodium	50.6		5.00	51.2	MHA	mg/L		13	75 - 125	5	20	
Thallium	<0.00500		0.0500	0.0503		mg/L		101	75 - 125	2	20	
Vanadium	<0.0100		0.500	0.512		mg/L		102	75 - 125	2	20	
Zinc	0.0380		0.500	0.546		mg/L		102	75 - 125	2	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12C4758-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C4758**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C4758\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/27/12 12:10	03/28/12 14:04	1.00

**Lab Sample ID: 12C4758-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C4758**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C4758\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.000943		mg/L		94	80 - 120

**Lab Sample ID: 12C4758-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C4758**

**Client Sample ID: TRACT 35 TW-7 (20-24)**  
**Prep Type: Total**  
**Prep Batch: 12C4758\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.000100		0.00100	0.000946		mg/L		95	75 - 125

**Lab Sample ID: 12C4758-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12C4758**

**Client Sample ID: TRACT 35 TW-7 (20-24)**  
**Prep Type: Total**  
**Prep Batch: 12C4758\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.000100		0.00100	0.000958		mg/L		96	75 - 125	1	20

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12C4761-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C4761**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 12C4761\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/23/12 09:40	03/23/12 15:15	1.00

**Lab Sample ID: 12C4761-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C4761**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 12C4761\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.000850		mg/L		85	80 - 120

**Lab Sample ID: 12C4761-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C4761**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 12C4761\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.000100		0.00100	0.000922		mg/L		92	75 - 125

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A (Continued)

**Lab Sample ID: 12C4761-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12C4761**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 12C4761\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	<0.000100		0.00100	0.000926		mg/L		93	75 - 125	0.4	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 12C5251-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C5251**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C5251\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.049		0.098	0.049	mg/kg wet		04/02/12 10:45	04/03/12 11:14	1.0

**Lab Sample ID: 12C5251-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C5251**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C5251\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.166	0.19		mg/kg wet		116	80 - 120

**Lab Sample ID: 12C5251-BSD1**  
**Matrix: Soil**  
**Analysis Batch: 12C5251**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total**  
**Prep Batch: 12C5251\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	0.162	0.19		mg/kg wet		115	80 - 120	3	20

**Lab Sample ID: 12C5251-MS1**  
**Matrix: Soil**  
**Analysis Batch: 12C5251**

**Client Sample ID: TRACT 35 SB-7 (0-2)**  
**Prep Type: Total**  
**Prep Batch: 12C5251\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits
Mercury	0.38	M8	0.450	0.62	M8	mg/kg dry	☼	53	80 - 120

**Lab Sample ID: 12C5251-MSD1**  
**Matrix: Soil**  
**Analysis Batch: 12C5251**

**Client Sample ID: TRACT 35 SB-7 (0-2)**  
**Prep Type: Total**  
**Prep Batch: 12C5251\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	0.38	M8	0.468	0.64	M8	mg/kg dry	☼	55	80 - 120	3	20

## Method: SW846 7196A - General Chemistry Parameters

**Lab Sample ID: 12C4554-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C4554**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C4554\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<0.00500		0.0100	0.00500	mg/L		03/22/12 14:00	03/22/12 14:00	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 7196A - General Chemistry Parameters (Continued)

**Lab Sample ID: 12C4554-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C4554**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C4554\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chromium (VI)	0.100	0.101		mg/L		101	85 - 115

**Lab Sample ID: 12C4554-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C4554**

**Client Sample ID: TRACT 35 SW-1**  
**Prep Type: Total**  
**Prep Batch: 12C4554\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Chromium (VI)	0.00920	J HT3	0.100	0.107		mg/L		98	85 - 115

**Lab Sample ID: 12C4554-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12C4554**

**Client Sample ID: TRACT 35 SW-1**  
**Prep Type: Total**  
**Prep Batch: 12C4554\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chromium (VI)	0.00920	J HT3	0.100	0.105		mg/L		96	85 - 115	2	10

**Lab Sample ID: 12C4554-DUP1**  
**Matrix: Water**  
**Analysis Batch: 12C4554**

**Client Sample ID: TRACT 35 SW-1**  
**Prep Type: Total**  
**Prep Batch: 12C4554\_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	Limit
Chromium (VI)	0.00920	J HT3	0.00600	R2 J	mg/L		42	10

**Lab Sample ID: 12C6051-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C6051**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C6051\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<1.00		2.00	1.00	mg/kg wet		03/30/12 12:40	03/31/12 08:15	1.00

**Lab Sample ID: 12C6051-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C6051**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C6051\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chromium (VI)	40.0	40.3		mg/kg wet		101	80 - 120

**Lab Sample ID: 12C6051-MS1**  
**Matrix: Soil**  
**Analysis Batch: 12C6051**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12C6051\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Chromium (VI)	<1.00		40.0	44.1		mg/kg wet		110	75 - 125

**Lab Sample ID: 12C6051-MSD1**  
**Matrix: Soil**  
**Analysis Batch: 12C6051**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total**  
**Prep Batch: 12C6051\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chromium (VI)	<1.00		40.0	42.3		mg/kg wet		106	75 - 125	4	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Method: SW846 7196A - General Chemistry Parameters (Continued)

Lab Sample ID: 12C6051-DUP1

Matrix: Soil

Analysis Batch: 12C6051

Client Sample ID: Duplicate

Prep Type: Total

Prep Batch: 12C6051\_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
Chromium (VI)	<1.00		<1.00		mg/kg wet			20

## Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 12C4594-DUP1

Matrix: Soil

Analysis Batch: 12C4594

Client Sample ID: Duplicate

Prep Type: Total

Prep Batch: 12C4594\_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Dry Solids	89.0		89.5		%		0.6	20

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## GCMS Volatiles

### Analysis Batch: V004867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C3559-BLK1	Method Blank	Total	Water	SW846 8260B	12C3559_P
12C3559-BS1	Lab Control Sample	Total	Water	SW846 8260B	12C3559_P
12C3559-MS1	Matrix Spike	Total	Water	SW846 8260B	12C3559_P
12C3559-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	12C3559_P
NWC2754-03	TRACT 35 TW-7 (20-24)	Total	Ground Water	SW846 8260B	12C3559_P
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	SW846 8260B	12C3559_P
NWC2754-05	Trip Blank	Total	Water	SW846 8260B	12C3559_P
NWC2754-06	Trip Blank	Total	Water	SW846 8260B	12C3559_P

### Analysis Batch: V005189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4310-BLK1	Method Blank	Total	Soil	SW846 8260B	12C4310_P
12C4310-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12C4310_P
12C4310-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	12C4310_P
12C4310-MS1	Matrix Spike	Total	Soil	SW846 8260B	12C4310_P
12C4310-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	12C4310_P
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 8260B	12C4310_P
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	SW846 8260B	12C4310_P

### Prep Batch: 12C3559\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C3559-BLK1	Method Blank	Total	Water	EPA 5030B	
12C3559-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12C3559-MS1	Matrix Spike	Total	Water	EPA 5030B	
12C3559-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NWC2754-03	TRACT 35 TW-7 (20-24)	Total	Ground Water	EPA 5030B	
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	EPA 5030B	
NWC2754-05	Trip Blank	Total	Water	EPA 5030B	
NWC2754-06	Trip Blank	Total	Water	EPA 5030B	

### Prep Batch: 12C4310\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4310-BLK1	Method Blank	Total	Soil	EPA 5035	
12C4310-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12C4310-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
12C4310-MS1	Matrix Spike	Total	Soil	EPA 5035	
12C4310-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	EPA 5035	
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	EPA 5035	

## GCMS Semivolatiles

### Analysis Batch: 12C4625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4625-BLK1	Method Blank	Total	Water	SW846 8270D	12C4625_P
12C4625-BS1	Lab Control Sample	Total	Water	SW846 8270D	12C4625_P
NWC2754-03	TRACT 35 TW-7 (20-24)	Total	Ground Water	SW846 8270D	12C4625_P
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	SW846 8270D	12C4625_P

### Analysis Batch: 12C4685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4685-BLK1	Method Blank	Total	Soil	SW846 8270D	12C4685_P



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## GCMS Semivolatiles (Continued)

### Analysis Batch: 12C4685 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4685-BS1	Lab Control Sample	Total	Soil	SW846 8270D	12C4685_P
12C4685-MS1	TRACT 35 SB-7 (20-24)	Total	Soil	SW846 8270D	12C4685_P
12C4685-MSD1	TRACT 35 SB-7 (20-24)	Total	Soil	SW846 8270D	12C4685_P
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 8270D	12C4685_P
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	SW846 8270D	12C4685_P

### Prep Batch: 12C4625\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4625-BLK1	Method Blank	Total	Water	EPA 3510C	
12C4625-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NWC2754-03	TRACT 35 TW-7 (20-24)	Total	Ground Water	EPA 3510C	
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	EPA 3510C	

### Prep Batch: 12C4685\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4685-BLK1	Method Blank	Total	Soil	EPA 3550C	
12C4685-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12C4685-MS1	TRACT 35 SB-7 (20-24)	Total	Soil	EPA 3550C	
12C4685-MSD1	TRACT 35 SB-7 (20-24)	Total	Soil	EPA 3550C	
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	EPA 3550C	
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	EPA 3550C	

## Pesticides

### Analysis Batch: V004813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4623-BLK1	Method Blank	Total	Water	SW846 8082A	12C4623_P
12C4623-BS1	Lab Control Sample	Total	Water	SW846 8082A	12C4623_P
12C4651-BLK1	Method Blank	Total	Soil	SW846 8082A	12C4651_P
12C4651-BS1	Lab Control Sample	Total	Soil	SW846 8082A	12C4651_P
12C4651-MS1	TRACT 35 SB-7 (20-24)	Total	Soil	SW846 8082A	12C4651_P
12C4651-MSD1	TRACT 35 SB-7 (20-24)	Total	Soil	SW846 8082A	12C4651_P
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 8082A	12C4651_P
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	SW846 8082A	12C4651_P
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	SW846 8082A	12C4623_P

### Analysis Batch: V004824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4621-BLK1	Method Blank	Total	Water	SW846 8081B	12C4621_P
12C4621-BS1	Lab Control Sample	Total	Water	SW846 8081B	12C4621_P
12C4621-BS2	Lab Control Sample	Total	Water	SW846 8081B	12C4621_P
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	SW846 8081B	12C4621_P

### Analysis Batch: V005175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4684-BLK1	Method Blank	Total	Soil	SW846 8081B	12C4684_P
12C4684-BS1	Lab Control Sample	Total	Soil	SW846 8081B	12C4684_P
12C4684-BS2	Lab Control Sample	Total	Soil	SW846 8081B	12C4684_P
12C4684-MS1	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 8081B	12C4684_P
12C4684-MSD1	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 8081B	12C4684_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Pesticides (Continued)

### Analysis Batch: V005259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC2754-01 - RE1	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 8081B	12C4684_P
NWC2754-02 - RE1	TRACT 35 SB-7 (20-24)	Total	Soil	SW846 8081B	12C4684_P

### Prep Batch: 12C4621\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4621-BLK1	Method Blank	Total	Water	EPA 3510C	
12C4621-BS1	Lab Control Sample	Total	Water	EPA 3510C	
12C4621-BS2	Lab Control Sample	Total	Water	EPA 3510C	
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	EPA 3510C	

### Prep Batch: 12C4623\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4623-BLK1	Method Blank	Total	Water	EPA 3510C/3665A	
12C4623-BS1	Lab Control Sample	Total	Water	EPA 3510C/3665A	
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	EPA 3510C/3665A	

### Prep Batch: 12C4651\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4651-BLK1	Method Blank	Total	Soil	EPA 3550C/3665A	
12C4651-BS1	Lab Control Sample	Total	Soil	EPA 3550C/3665A	
12C4651-MS1	TRACT 35 SB-7 (20-24)	Total	Soil	EPA 3550C/3665A	
12C4651-MSD1	TRACT 35 SB-7 (20-24)	Total	Soil	EPA 3550C/3665A	
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	EPA 3550C/3665A	
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	EPA 3550C/3665A	

### Prep Batch: 12C4684\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4684-BLK1	Method Blank	Total	Soil	EPA 3550C	
12C4684-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12C4684-BS2	Lab Control Sample	Total	Soil	EPA 3550C	
12C4684-MS1	TRACT 35 SB-7 (0-2)	Total	Soil	EPA 3550C	
12C4684-MSD1	TRACT 35 SB-7 (0-2)	Total	Soil	EPA 3550C	
NWC2754-01 - RE1	TRACT 35 SB-7 (0-2)	Total	Soil	EPA 3550C	
NWC2754-02 - RE1	TRACT 35 SB-7 (20-24)	Total	Soil	EPA 3550C	

## Metals

### Analysis Batch: 12C4742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4742-BLK1	Method Blank	Total	Soil	SW846 6010C	12C4742_P
12C4742-BS1	Lab Control Sample	Total	Soil	SW846 6010C	12C4742_P
12C4742-BSD1	Lab Control Sample Dup	Total	Soil	SW846 6010C	12C4742_P
12C4742-MS1	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 6010C	12C4742_P
12C4742-MSD1	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 6010C	12C4742_P
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 6010C	12C4742_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Metals (Continued)

### Analysis Batch: 12C4742 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	SW846 6010C	12C4742_P

### Analysis Batch: 12C4758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4758-BLK1	Method Blank	Total	Water	SW846 7470A	12C4758_P
12C4758-BS1	Lab Control Sample	Total	Water	SW846 7470A	12C4758_P
12C4758-MS1	TRACT 35 TW-7 (20-24)	Total	Water	SW846 7470A	12C4758_P
12C4758-MSD1	TRACT 35 TW-7 (20-24)	Total	Water	SW846 7470A	12C4758_P
NWC2754-03	TRACT 35 TW-7 (20-24)	Total	Ground Water	SW846 7470A	12C4758_P
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	SW846 7470A	12C4758_P

### Analysis Batch: 12C4761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4761-BLK1	Method Blank	Dissolved	Water	SW846 7470A	12C4761_P
12C4761-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	12C4761_P
12C4761-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	12C4761_P
12C4761-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	12C4761_P
NWC2754-03	TRACT 35 TW-7 (20-24)	Dissolved	Ground Water	SW846 7470A	12C4761_P
NWC2754-04	TRACT 35 SW-1	Dissolved	Ground Water	SW846 7470A	12C4761_P

### Analysis Batch: 12C5096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5096-BLK1	Method Blank	Total	Water	SW846 6010C	12C5096_P
12C5096-BS1	Lab Control Sample	Total	Water	SW846 6010C	12C5096_P
12C5096-MS1	Matrix Spike	Total	Water	SW846 6010C	12C5096_P
12C5096-MSD1	Matrix Spike Duplicate	Total	Water	SW846 6010C	12C5096_P
NWC2754-03	TRACT 35 TW-7 (20-24)	Total	Ground Water	SW846 6010C	12C5096_P
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	SW846 6010C	12C5096_P

### Analysis Batch: 12C5211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5211-BLK1	Method Blank	Dissolved	Water	SW846 6010C	12C5211_P
12C5211-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	12C5211_P
12C5211-MS1	Matrix Spike	Dissolved	Water	SW846 6010C	12C5211_P
12C5211-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 6010C	12C5211_P
NWC2754-03	TRACT 35 TW-7 (20-24)	Dissolved	Ground Water	SW846 6010C	12C5211_P
NWC2754-04	TRACT 35 SW-1	Dissolved	Ground Water	SW846 6010C	12C5211_P

### Analysis Batch: 12C5251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5251-BLK1	Method Blank	Total	Soil	SW846 7471B	12C5251_P
12C5251-BS1	Lab Control Sample	Total	Soil	SW846 7471B	12C5251_P
12C5251-BSD1	Lab Control Sample Dup	Total	Soil	SW846 7471B	12C5251_P
12C5251-MS1	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 7471B	12C5251_P
12C5251-MSD1	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 7471B	12C5251_P
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 7471B	12C5251_P
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	SW846 7471B	12C5251_P

### Prep Batch: 12C4742\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4742-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Metals (Continued)

### Prep Batch: 12C4742\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4742-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
12C4742-BSD1	Lab Control Sample Dup	Total	Soil	EPA 3051A/6010	
12C4742-MS1	TRACT 35 SB-7 (0-2)	Total	Soil	EPA 3051A/6010	
12C4742-MSD1	TRACT 35 SB-7 (0-2)	Total	Soil	EPA 3051A/6010	
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	EPA 3051A/6010	
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	EPA 3051A/6010	

### Prep Batch: 12C4758\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4758-BLK1	Method Blank	Total	Water	EPA 7470	
12C4758-BS1	Lab Control Sample	Total	Water	EPA 7470	
12C4758-MS1	TRACT 35 TW-7 (20-24)	Total	Water	EPA 7470	
12C4758-MSD1	TRACT 35 TW-7 (20-24)	Total	Water	EPA 7470	
NWC2754-03	TRACT 35 TW-7 (20-24)	Total	Ground Water	EPA 7470	
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	EPA 7470	

### Prep Batch: 12C4761\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4761-BLK1	Method Blank	Dissolved	Water	EPA 7470	
12C4761-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
12C4761-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
12C4761-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	
NWC2754-03	TRACT 35 TW-7 (20-24)	Dissolved	Ground Water	EPA 7470	
NWC2754-04	TRACT 35 SW-1	Dissolved	Ground Water	EPA 7470	

### Prep Batch: 12C5096\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5096-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
12C5096-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
12C5096-MS1	Matrix Spike	Total	Water	EPA 3010A / 6010	
12C5096-MSD1	Matrix Spike Duplicate	Total	Water	EPA 3010A / 6010	
NWC2754-03	TRACT 35 TW-7 (20-24)	Total	Ground Water	EPA 3010A / 6010	
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	EPA 3010A / 6010	

### Prep Batch: 12C5211\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5211-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C5211-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C5211-MS1	Matrix Spike	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C5211-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 3010A / 6010 Dissolved	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## Metals (Continued)

### Prep Batch: 12C5211\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC2754-03	TRACT 35 TW-7 (20-24)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NWC2754-04	TRACT 35 SW-1	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

### Prep Batch: 12C5251\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5251-BLK1	Method Blank	Total	Soil	EPA 7471	
12C5251-BS1	Lab Control Sample	Total	Soil	EPA 7471	
12C5251-BSD1	Lab Control Sample Dup	Total	Soil	EPA 7471	
12C5251-MS1	TRACT 35 SB-7 (0-2)	Total	Soil	EPA 7471	
12C5251-MSD1	TRACT 35 SB-7 (0-2)	Total	Soil	EPA 7471	
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	EPA 7471	
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	EPA 7471	

## WetChem

### Analysis Batch: 12C4554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4554-BLK1	Method Blank	Total	Water	SW846 7196A	12C4554_P
12C4554-BS1	Lab Control Sample	Total	Water	SW846 7196A	12C4554_P
12C4554-DUP1	TRACT 35 SW-1	Total	Water	SW846 7196A	12C4554_P
12C4554-MS1	TRACT 35 SW-1	Total	Water	SW846 7196A	12C4554_P
12C4554-MSD1	TRACT 35 SW-1	Total	Water	SW846 7196A	12C4554_P
NWC2754-03	TRACT 35 TW-7 (20-24)	Total	Ground Water	SW846 7196A	12C4554_P
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	SW846 7196A	12C4554_P

### Analysis Batch: 12C6051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C6051-BLK1	Method Blank	Total	Soil	SW846 7196A	12C6051_P
12C6051-BS1	Lab Control Sample	Total	Soil	SW846 7196A	12C6051_P
12C6051-DUP1	Duplicate	Total	Soil	SW846 7196A	12C6051_P
12C6051-MS1	Matrix Spike	Total	Soil	SW846 7196A	12C6051_P
12C6051-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7196A	12C6051_P
12C6051-PS1	NWC3582-01	Total	Soil	SW846 7196A	12C6051_P
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 7196A	12C6051_P
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	SW846 7196A	12C6051_P

### Prep Batch: 12C4554\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4554-BLK1	Method Blank	Total	Water	NO PREP	
12C4554-BS1	Lab Control Sample	Total	Water	NO PREP	
12C4554-DUP1	TRACT 35 SW-1	Total	Water	NO PREP	
12C4554-MS1	TRACT 35 SW-1	Total	Water	NO PREP	
12C4554-MSD1	TRACT 35 SW-1	Total	Water	NO PREP	
NWC2754-03	TRACT 35 TW-7 (20-24)	Total	Ground Water	NO PREP	
NWC2754-04	TRACT 35 SW-1	Total	Ground Water	NO PREP	

### Prep Batch: 12C6051\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C6051-BLK1	Method Blank	Total	Soil	NO PREP	
12C6051-BS1	Lab Control Sample	Total	Soil	NO PREP	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

## WetChem (Continued)

### Prep Batch: 12C6051\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C6051-DUP1	Duplicate	Total	Soil	NO PREP	
12C6051-MS1	Matrix Spike	Total	Soil	NO PREP	
12C6051-MSD1	Matrix Spike Duplicate	Total	Soil	NO PREP	
12C6051-PS1	NWC3582-01	Total	Soil	NO PREP	
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	NO PREP	
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	NO PREP	

## Extractions

### Analysis Batch: 12C4594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4594-DUP1	Duplicate	Total	Soil	SW-846	12C4594_P
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	SW-846	12C4594_P
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	SW-846	12C4594_P

### Prep Batch: 12C4594\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C4594-DUP1	Duplicate	Total	Soil	% Solids	
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	% Solids	
NWC2754-02	TRACT 35 SB-7 (20-24)	Total	Soil	% Solids	

### Analysis Batch: V005175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC2754-01	TRACT 35 SB-7 (0-2)	Total	Soil	SW846 8081B	

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SB-7 (0-2)**

**Lab Sample ID: NWC2754-01**

Date Collected: 03/21/12 09:30

Matrix: Soil

Date Received: 03/22/12 08:40

Percent Solids: 35.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.38	12C4310_P	03/21/12 09:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V005189	03/27/12 21:02	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.973	12C4685_P	03/23/12 09:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C4685	03/23/12 20:20	JLS	TAL NSH
Total	Prep	EPA 3550C/3665A		0.979	12C4651_P	03/23/12 05:35	KDF	TAL NSH
Total	Analysis	SW846 8082A		1.00	V004813	03/23/12 16:20	WAM	TAL NSH
Total	Prep	EPA 3550C	RE1	0.974	12C4684_P	03/29/12 09:00	KDF	TAL NSH
Total	Analysis	SW846 8081B	RE1	1.00	V005259	03/30/12 18:00	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		0.982	12C4742_P	03/30/12 03:26	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C4742	04/04/12 02:57	DEB	TAL NSH
Total	Prep	EPA 7471		0.96	12C5251_P	04/02/12 10:45	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C5251	04/03/12 11:21	MB	TAL NSH
Total	Prep	NO PREP		1.00	12C6051_P	03/30/12 12:40	AMB	TAL NSH
Total	Analysis	SW846 7196A		1.00	12C6051	03/31/12 08:15	CLJ	TAL NSH
Total	Prep	% Solids		1.00	12C4594_P	03/22/12 14:42	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C4594	03/23/12 09:41	RRS	TAL NSH
Total	Analysis	SW846 8081B		1.00	V005175	03/29/12 20:43		TAL NSH

**Client Sample ID: TRACT 35 SB-7 (20-24)**

**Lab Sample ID: NWC2754-02**

Date Collected: 03/21/12 09:45

Matrix: Soil

Date Received: 03/22/12 08:40

Percent Solids: 71.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.858	12C4310_P	03/21/12 09:45	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V005189	03/27/12 21:29	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.983	12C4685_P	03/23/12 09:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C4685	03/23/12 20:43	JLS	TAL NSH
Total	Prep	EPA 3550C/3665A		0.978	12C4651_P	03/23/12 05:35	KDF	TAL NSH
Total	Analysis	SW846 8082A		1.00	V004813	03/23/12 16:41	WAM	TAL NSH
Total	Prep	EPA 3550C	RE1	0.995	12C4684_P	03/29/12 09:00	KDF	TAL NSH
Total	Analysis	SW846 8081B	RE1	1.00	V005259	03/30/12 18:15	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		0.977	12C4742_P	03/30/12 03:26	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C4742	04/04/12 03:18	DEB	TAL NSH
Total	Prep	EPA 7471		0.98	12C5251_P	04/02/12 10:45	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C5251	04/03/12 11:27	MB	TAL NSH
Total	Prep	NO PREP		1.00	12C6051_P	03/30/12 12:40	AMB	TAL NSH
Total	Analysis	SW846 7196A		1.00	12C6051	03/31/12 08:15	CLJ	TAL NSH
Total	Prep	% Solids		1.00	12C4594_P	03/22/12 14:42	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C4594	03/23/12 09:41	RRS	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 TW-7 (20-24)**

**Lab Sample ID: NWC2754-03**

**Date Collected: 03/21/12 10:15**

**Matrix: Ground Water**

**Date Received: 03/22/12 08:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C3559_P	03/22/12 12:23	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V004867	03/22/12 18:21	JJR	TAL NSH
Total	Prep	EPA 3510C		0.962	12C4625_P	03/26/12 05:30	MAH	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C4625	03/26/12 14:12	WLS	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	12C5211_P	04/02/12 08:15	NLI	TAL NSH
Dissolved	Analysis	SW846 6010C		10.0	12C5211	04/04/12 11:59	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	12C5096_P	04/01/12 10:00	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C5096	04/03/12 23:06	DEB	TAL NSH
Total	Analysis	SW846 6010C		10.0	12C5096	04/04/12 11:31	DEB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	12C4761_P	03/23/12 09:40	ALJ	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12C4761	03/23/12 15:26	ALJ	TAL NSH
Total	Prep	EPA 7470		1.00	12C4758_P	03/27/12 12:10	ALJ	TAL NSH
Total	Analysis	SW846 7470A		1.00	12C4758	03/28/12 14:08	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		100	12C5211	04/04/12 12:03	LTB	TAL NSH
Total	Analysis	SW846 6010C		100	12C5096	04/04/12 16:43	DEB	TAL NSH
Total	Analysis	SW846 7196A		1.00	12C4554	03/22/12 14:15	CLJ	TAL NSH
Total	Prep	NO PREP		1.00	12C4554_P	03/22/12 14:15	CLJ	TAL NSH

**Client Sample ID: TRACT 35 SW-1**

**Lab Sample ID: NWC2754-04**

**Date Collected: 03/21/12 11:00**

**Matrix: Ground Water**

**Date Received: 03/22/12 08:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C3559_P	03/22/12 12:23	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V004867	03/22/12 22:00	JJR	TAL NSH
Total	Prep	EPA 3510C		0.952	12C4625_P	03/26/12 05:30	MAH	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C4625	03/26/12 14:32	WLS	TAL NSH
Total	Prep	EPA 3510C		0.962	12C4621_P	03/22/12 15:05	ASL	TAL NSH
Total	Analysis	SW846 8081B		1.00	V004824	03/23/12 12:58	WAM	TAL NSH
Total	Prep	EPA 3510C/3665A		0.990	12C4623_P	03/22/12 15:05	JJR	TAL NSH
Total	Analysis	SW846 8082A		1.00	V004813	03/23/12 11:18	WAM	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	12C5211_P	04/02/12 08:15	NLI	TAL NSH
Dissolved	Analysis	SW846 6010C		10.0	12C5211	04/04/12 12:06	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	12C5096_P	04/01/12 10:00	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C5096	04/03/12 23:09	DEB	TAL NSH
Total	Analysis	SW846 6010C		10.0	12C5096	04/04/12 11:34	DEB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	12C4761_P	03/23/12 09:40	ALJ	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12C4761	03/23/12 15:28	ALJ	TAL NSH
Total	Prep	EPA 7470		1.00	12C4758_P	03/27/12 12:10	ALJ	TAL NSH
Total	Analysis	SW846 7470A		1.00	12C4758	03/28/12 14:15	ALJ	TAL NSH
Dissolved	Analysis	SW846 6010C		100	12C5211	04/04/12 12:09	LTB	TAL NSH
Total	Analysis	SW846 6010C		100	12C5096	04/04/12 16:46	DEB	TAL NSH
Total	Analysis	SW846 7196A		1.00	12C4554	03/22/12 14:18	CLJ	TAL NSH



# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

**Client Sample ID: TRACT 35 SW-1**

**Lab Sample ID: NWC2754-04**

Date Collected: 03/21/12 11:00

Matrix: Ground Water

Date Received: 03/22/12 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12C4554_P	03/22/12 14:18	CLJ	TAL NSH

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC2754-05**

Date Collected: 03/21/12 00:01

Matrix: Water

Date Received: 03/22/12 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C3559_P	03/22/12 12:23	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V004867	03/22/12 17:26	JJR	TAL NSH

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC2754-06**

Date Collected: 03/21/12 00:01

Matrix: Water

Date Received: 03/22/12 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C3559_P	03/22/12 12:23	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V004867	03/22/12 17:54	JJR	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 8081B	Organochlorine Pesticides by EPA Method 8081B		TAL NSH
SW846 8082A	Polychlorinated Biphenyls by EPA Method 8082A		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH
SW846 7196A	General Chemistry Parameters		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Certification Summary

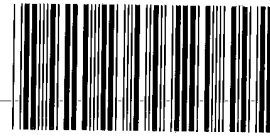
Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC2754

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

## COOLER RECE



NWC2754

Cooler Received/Opened On 3/22/2012 @ 0840

1. Tracking # 6682 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 0.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 (Front)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO # 62793





## COOLER RECEIPT FORM

Cooler Received/Opened On 3/22/2012 @ 0840

1. Tracking # 6693 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 2.0 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 (Front)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) J

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Subblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: ICE Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES. NO..NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) M

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) W

I certify that I attached a label with the unique LIMS number to each container (initial) W

21. Were there Non-Conformance issues at login? YES NO Was a PIPE generated? YES NO # 3-22-12

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NWC3217  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
4/9/2012 12:16:13 PM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWC3217-01	Tract 35 SS-1	Soil	03/23/12 11:30	03/24/12 08:30
NWC3217-02	Tract 35 SS-2	Soil	03/23/12 11:40	03/24/12 08:30

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# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Analyte was detected in the associated Method Blank.

### GCMS Semivolatiles

Qualifier	Qualifier Description
B	Analyte was detected in the associated Method Blank.
Z6	Surrogate recovery was below acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
B	Analyte was detected in the associated Method Blank.
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R3	The RPD exceeded the acceptance limit due to sample matrix effects.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

**Client Sample ID: Tract 35 SS-1**

**Lab Sample ID: NWC3217-01**

**Date Collected: 03/23/12 11:30**

**Matrix: Soil**

**Date Received: 03/24/12 08:30**

**Percent Solids: 36.6**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.126</b>	<b>J</b>	0.194	0.0968	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Benzene	<0.00426		0.00774	0.00426	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Bromochloromethane	<0.00464		0.00774	0.00464	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Bromodichloromethane	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Bromoform	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Bromomethane	<0.00464		0.00774	0.00464	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
2-Butanone	<0.0968		0.194	0.0968	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
<b>Carbon disulfide</b>	<b>0.0147</b>	<b>J</b>	0.0194	0.0139	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Carbon Tetrachloride	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Chlorobenzene	<0.00426		0.00774	0.00426	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Chlorodibromomethane	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Chloroethane	<0.00968		0.0194	0.00968	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Chloroform	<0.00503		0.00774	0.00503	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Chloromethane	<0.00426		0.00774	0.00426	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Cyclohexane	<0.0194		0.0387	0.0194	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,2-Dibromo-3-chloropropane	<0.00968		0.0194	0.00968	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,2-Dibromoethane (EDB)	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Methylcyclohexane	<0.0194		0.0387	0.0194	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,2-Dichlorobenzene	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,3-Dichlorobenzene	<0.00464		0.00774	0.00464	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,4-Dichlorobenzene	<0.00426		0.00774	0.00426	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Dichlorodifluoromethane	<0.00542		0.00774	0.00542	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,2-Dichloroethane	<0.00426		0.00774	0.00426	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,1-Dichloroethane	<0.00503		0.00774	0.00503	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,1-Dichloroethene	<0.00464		0.00774	0.00464	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
trans-1,2-Dichloroethene	<0.00503		0.00774	0.00503	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,1,2-Trifluorotrchloroethane	<0.00426		0.00774	0.00426	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
cis-1,2-Dichloroethene	<0.00426		0.00774	0.00426	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,2-Dichloropropane	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
trans-1,3-Dichloropropene	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
cis-1,3-Dichloropropene	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Ethylbenzene	<0.00426		0.00774	0.00426	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
2-Hexanone	<0.0968		0.194	0.0968	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Isopropylbenzene	<0.00426		0.00774	0.00426	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Methyl Acetate	<0.0194		0.0387	0.0194	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Methyl tert-Butyl Ether	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Methylene Chloride	<0.0194		0.0387	0.0194	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
4-Methyl-2-pentanone	<0.0968		0.194	0.0968	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Styrene	<0.00426		0.00774	0.00426	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,1,2,2-Tetrachloroethane	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Tetrachloroethene	<0.00503		0.00774	0.00503	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Toluene	<0.00426		0.00774	0.00426	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,2,4-Trichlorobenzene	<0.00464		0.00774	0.00464	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,2,3-Trichlorobenzene	<0.00426		0.00774	0.00426	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,1,1-Trichloroethane	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
1,1,2-Trichloroethane	<0.00968		0.0194	0.00968	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Trichloroethene	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Trichlorofluoromethane	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Vinyl chloride	<0.00387		0.00774	0.00387	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00
Xylenes, total	<0.00968		0.0194	0.00968	mg/kg dry	☼	03/23/12 11:30	04/04/12 16:50	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

**Client Sample ID: Tract 35 SS-1**

**Lab Sample ID: NWC3217-01**

**Date Collected: 03/23/12 11:30**

**Matrix: Soil**

**Date Received: 03/24/12 08:30**

**Percent Solids: 36.6**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	97		70 - 130	03/23/12 11:30	04/04/12 16:50	1.00
Dibromofluoromethane	94		70 - 130	03/23/12 11:30	04/04/12 16:50	1.00
Toluene-d8	107		70 - 130	03/23/12 11:30	04/04/12 16:50	1.00
4-Bromofluorobenzene	106		70 - 130	03/23/12 11:30	04/04/12 16:50	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Acenaphthylene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Anthracene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Benzo (a) anthracene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Benzo (a) pyrene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Benzo (b) fluoranthene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Benzo (g,h,i) perylene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Benzo (k) fluoranthene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
4-Bromophenyl phenyl ether	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Butyl benzyl phthalate	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Carbazole	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
4-Chloro-3-methylphenol	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
4-Chloroaniline	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Bis(2-chloroethoxy)methane	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Bis(2-chloroethyl)ether	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Bis(2-chloroisopropyl)ether	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
2-Chloronaphthalene	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
2-Chlorophenol	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
4-Chlorophenyl phenyl ether	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Chrysene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Dibenz (a,h) anthracene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Dibenzofuran	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Di-n-butyl phthalate	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
1,4-Dichlorobenzene	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
1,2-Dichlorobenzene	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
1,3-Dichlorobenzene	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
3,3-Dichlorobenzidine	<0.453		1.81	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
2,4-Dichlorophenol	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Diethyl phthalate	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
2,4-Dimethylphenol	<0.521		0.903	0.521	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Dimethyl phthalate	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
4,6-Dinitro-2-methylphenol	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
2,4-Dinitrophenol	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
2,6-Dinitrotoluene	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
2,4-Dinitrotoluene	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Di-n-octyl phthalate	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Bis(2-ethylhexyl)phthalate	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Fluoranthene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Fluorene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Hexachlorobenzene	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Hexachlorobutadiene	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Hexachlorocyclopentadiene	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Hexachloroethane	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Indeno (1,2,3-cd) pyrene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Isophorone	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

**Client Sample ID: Tract 35 SS-1**

**Lab Sample ID: NWC3217-01**

**Date Collected: 03/23/12 11:30**

**Matrix: Soil**

**Date Received: 03/24/12 08:30**

**Percent Solids: 36.6**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
2-Methylphenol	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
3/4-Methylphenol	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Naphthalene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
3-Nitroaniline	<0.453		2.26	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
2-Nitroaniline	<0.453		2.26	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
4-Nitroaniline	<0.453		2.26	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Nitrobenzene	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
4-Nitrophenol	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
2-Nitrophenol	<0.532		0.903	0.532	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
N-Nitrosodiphenylamine	<0.496		0.903	0.496	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
N-Nitrosodi-n-propylamine	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Pentachlorophenol	<0.453		2.26	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Phenanthrene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Phenol	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
Pyrene	<0.0922		0.182	0.0922	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
1,2,4-Trichlorobenzene	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
2,4,6-Trichlorophenol	<0.453		0.903	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00
2,4,5-Trichlorophenol	<0.453		2.26	0.453	mg/kg dry	☼	03/26/12 15:30	03/28/12 14:18	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	93		18 - 120	03/26/12 15:30	03/28/12 14:18	1.00
2,4,6-Tribromophenol	71		19 - 120	03/26/12 15:30	03/28/12 14:18	1.00
Phenol-d5	76		18 - 120	03/26/12 15:30	03/28/12 14:18	1.00
2-Fluorobiphenyl	72		14 - 120	03/26/12 15:30	03/28/12 14:18	1.00
2-Fluorophenol	81		17 - 120	03/26/12 15:30	03/28/12 14:18	1.00
Nitrobenzene-d5	74		17 - 120	03/26/12 15:30	03/28/12 14:18	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
delta-BHC	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
alpha-BHC	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
beta-BHC	<0.00227		0.00891	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
gamma-BHC (Lindane)	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
alpha-Chlordane	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
gamma-Chlordane	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
Chlordane	<0.0899		0.180	0.0899	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
4,4'-DDD	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
4,4'-DDE	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
4,4'-DDT	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
Dieldrin	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
Endosulfan I	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
Endosulfan II	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
Endosulfan sulfate	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
Endrin	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
Endrin aldehyde	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
Endrin ketone	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
Heptachlor	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
Heptachlor epoxide	<0.00227		0.00459	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
Methoxychlor	<0.00227		0.00891	0.00227	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Client Sample ID: Tract 35 SS-1

## Lab Sample ID: NWC3217-01

Date Collected: 03/23/12 11:30

Matrix: Soil

Date Received: 03/24/12 08:30

Percent Solids: 36.6

### Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.114		0.180	0.114	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:31	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	58		21 - 145				03/30/12 10:45	04/03/12 12:31	1.00
Decachlorobiphenyl	60		25 - 150				03/30/12 10:45	04/03/12 12:31	1.00

### Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0569		0.0902	0.0569	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:26	1.00
PCB-1221	<0.0298		0.0902	0.0298	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:26	1.00
PCB-1232	<0.0433		0.0902	0.0433	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:26	1.00
PCB-1242	<0.0704		0.0902	0.0704	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:26	1.00
PCB-1248	<0.0813		0.0902	0.0813	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:26	1.00
PCB-1254	<0.0298		0.0902	0.0298	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:26	1.00
PCB-1260	<0.0758		0.0902	0.0758	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:26	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	88		19 - 147				03/26/12 12:27	03/28/12 22:26	1.00
Decachlorobiphenyl	94		20 - 150				03/26/12 12:27	03/28/12 22:26	1.00

### Method: SW846 6010C - Total Metals by EPA 6010C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16700		53.6	26.8	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Antimony	<13.4		26.8	13.4	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Arsenic	33.8		2.68	1.34	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Barium	23.6		5.36	2.68	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Beryllium	1.93	J B	2.68	1.34	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Cadmium	<1.34		2.68	1.34	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Calcium	3740	B1 B	268	134	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Chromium	36.7		2.68	1.34	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Cobalt	7.18	J	8.04	4.02	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Copper	60.6		5.36	2.68	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Iron	38200	B1 B	26.8	13.4	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Lead	68.1		2.68	1.34	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Magnesium	6430		268	134	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Manganese	457		8.04	4.02	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Nickel	13.1		5.36	2.68	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Potassium	3310		268	134	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Selenium	<2.68		5.36	2.68	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Silver	<1.34		2.68	1.34	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Sodium	13100		536	268	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Thallium	<2.68		5.36	2.68	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Vanadium	67.0		26.8	13.4	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00
Zinc	172		26.8	13.4	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:31	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.14		0.27	0.14	mg/kg dry	☼	03/27/12 15:45	03/28/12 11:34	1.0

### Method: SW846 7196A - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<2.73		5.47	2.73	mg/kg dry	☼	03/31/12 11:25	04/03/12 10:50	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Client Sample ID: Tract 35 SS-1

Lab Sample ID: NWC3217-01

Date Collected: 03/23/12 11:30

Matrix: Soil

Date Received: 03/24/12 08:30

Percent Solids: 36.6

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	36.6		0.500	0.500	%		03/27/12 16:28	03/28/12 08:36	1.00

## Client Sample ID: Tract 35 SS-2

Lab Sample ID: NWC3217-02

Date Collected: 03/23/12 11:40

Matrix: Soil

Date Received: 03/24/12 08:30

Percent Solids: 52.7

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.148		0.110	0.0548	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Benzene	0.0117		0.00438	0.00241	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Bromochloromethane	<0.00263		0.00438	0.00263	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Bromodichloromethane	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Bromoform	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Bromomethane	<0.00263		0.00438	0.00263	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
2-Butanone	<0.0548		0.110	0.0548	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Carbon disulfide	<0.00789		0.0110	0.00789	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Carbon Tetrachloride	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Chlorobenzene	<0.00241		0.00438	0.00241	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Chlorodibromomethane	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Chloroethane	<0.00548		0.0110	0.00548	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Chloroform	<0.00285		0.00438	0.00285	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Chloromethane	<0.00241		0.00438	0.00241	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Cyclohexane	<0.0110		0.0219	0.0110	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,2-Dibromo-3-chloropropane	<0.00548		0.0110	0.00548	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,2-Dibromoethane (EDB)	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Methylcyclohexane	<0.0110		0.0219	0.0110	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,2-Dichlorobenzene	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,3-Dichlorobenzene	<0.00263		0.00438	0.00263	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,4-Dichlorobenzene	<0.00241		0.00438	0.00241	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Dichlorodifluoromethane	<0.00307		0.00438	0.00307	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,2-Dichloroethane	<0.00241		0.00438	0.00241	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,1-Dichloroethane	<0.00285		0.00438	0.00285	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,1-Dichloroethene	<0.00263		0.00438	0.00263	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
trans-1,2-Dichloroethene	<0.00285		0.00438	0.00285	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,1,2-Trifluoroethane	<0.00241		0.00438	0.00241	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
cis-1,2-Dichloroethene	<0.00241		0.00438	0.00241	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,2-Dichloropropane	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
trans-1,3-Dichloropropene	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
cis-1,3-Dichloropropene	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Ethylbenzene	<0.00241		0.00438	0.00241	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
2-Hexanone	<0.0548		0.110	0.0548	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Isopropylbenzene	<0.00241		0.00438	0.00241	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Methyl Acetate	<0.0110		0.0219	0.0110	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Methyl tert-Butyl Ether	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Methylene Chloride	<0.0110		0.0219	0.0110	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
4-Methyl-2-pentanone	<0.0548		0.110	0.0548	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Styrene	<0.00241		0.00438	0.00241	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,1,2,2-Tetrachloroethane	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Tetrachloroethene	<0.00285		0.00438	0.00285	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Toluene	0.00508		0.00438	0.00241	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,2,4-Trichlorobenzene	<0.00263		0.00438	0.00263	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

**Client Sample ID: Tract 35 SS-2**

**Lab Sample ID: NWC3217-02**

**Date Collected: 03/23/12 11:40**

**Matrix: Soil**

**Date Received: 03/24/12 08:30**

**Percent Solids: 52.7**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.00241		0.00438	0.00241	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,1,1-Trichloroethane	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
1,1,2-Trichloroethane	<0.00548		0.0110	0.00548	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Trichloroethene	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Trichlorofluoromethane	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Vinyl chloride	<0.00219		0.00438	0.00219	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00
Xylenes, total	<0.00548		0.0110	0.00548	mg/kg dry	☼	03/23/12 11:40	04/04/12 17:18	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130	03/23/12 11:40	04/04/12 17:18	1.00
Dibromofluoromethane	94		70 - 130	03/23/12 11:40	04/04/12 17:18	1.00
Toluene-d8	105		70 - 130	03/23/12 11:40	04/04/12 17:18	1.00
4-Bromofluorobenzene	106		70 - 130	03/23/12 11:40	04/04/12 17:18	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Acenaphthylene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Anthracene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Benzo (a) anthracene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Benzo (a) pyrene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Benzo (b) fluoranthene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Benzo (g,h,i) perylene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Benzo (k) fluoranthene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
4-Bromophenyl phenyl ether	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Butyl benzyl phthalate	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Carbazole	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
4-Chloro-3-methylphenol	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
4-Chloroaniline	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Bis(2-chloroethoxy)methane	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Bis(2-chloroethyl)ether	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Bis(2-chloroisopropyl)ether	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2-Chloronaphthalene	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2-Chlorophenol	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
4-Chlorophenyl phenyl ether	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Chrysene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Dibenz (a,h) anthracene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Dibenzofuran	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Di-n-butyl phthalate	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
1,4-Dichlorobenzene	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
1,2-Dichlorobenzene	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
1,3-Dichlorobenzene	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
3,3-Dichlorobenzidine	<0.308		1.23	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2,4-Dichlorophenol	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Diethyl phthalate	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2,4-Dimethylphenol	<0.354		0.615	0.354	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Dimethyl phthalate	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
4,6-Dinitro-2-methylphenol	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2,4-Dinitrophenol	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2,6-Dinitrotoluene	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2,4-Dinitrotoluene	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

**Client Sample ID: Tract 35 SS-2**

**Lab Sample ID: NWC3217-02**

**Date Collected: 03/23/12 11:40**

**Matrix: Soil**

**Date Received: 03/24/12 08:30**

**Percent Solids: 52.7**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Bis(2-ethylhexyl)phthalate	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Fluoranthene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Fluorene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Hexachlorobenzene	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Hexachlorobutadiene	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Hexachlorocyclopentadiene	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Hexachloroethane	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Indeno (1,2,3-cd) pyrene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Isophorone	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2-Methylnaphthalene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2-Methylphenol	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
3/4-Methylphenol	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Naphthalene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
3-Nitroaniline	<0.308		1.54	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2-Nitroaniline	<0.308		1.54	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
4-Nitroaniline	<0.308		1.54	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Nitrobenzene	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
4-Nitrophenol	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2-Nitrophenol	<0.362		0.615	0.362	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
N-Nitrosodiphenylamine	<0.338		0.615	0.338	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
N-Nitrosodi-n-propylamine	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Pentachlorophenol	<0.308		1.54	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Phenanthrene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Phenol	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
Pyrene	<0.0628		0.124	0.0628	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
1,2,4-Trichlorobenzene	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2,4,6-Trichlorophenol	<0.308		0.615	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00
2,4,5-Trichlorophenol	<0.308		1.54	0.308	mg/kg dry	☼	03/26/12 15:05	03/27/12 14:20	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	74		18 - 120	03/26/12 15:05	03/27/12 14:20	1.00
2,4,6-Tribromophenol	49		19 - 120	03/26/12 15:05	03/27/12 14:20	1.00
Phenol-d5	60		18 - 120	03/26/12 15:05	03/27/12 14:20	1.00
2-Fluorobiphenyl	48		14 - 120	03/26/12 15:05	03/27/12 14:20	1.00
2-Fluorophenol	56		17 - 120	03/26/12 15:05	03/27/12 14:20	1.00
Nitrobenzene-d5	51		17 - 120	03/26/12 15:05	03/27/12 14:20	1.00

**Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
delta-BHC	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
alpha-BHC	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
beta-BHC	<0.00157		0.00618	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
gamma-BHC (Lindane)	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
alpha-Chlordane	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
gamma-Chlordane	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
Chlordane	<0.0623		0.125	0.0623	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
4,4'-DDD	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
4,4'-DDE	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
4,4'-DDT	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Client Sample ID: Tract 35 SS-2

## Lab Sample ID: NWC3217-02

Date Collected: 03/23/12 11:40

Matrix: Soil

Date Received: 03/24/12 08:30

Percent Solids: 52.7

### Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
Endosulfan I	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
Endosulfan II	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
Endosulfan sulfate	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
Endrin	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
Endrin aldehyde	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
Endrin ketone	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
Heptachlor	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
Heptachlor epoxide	<0.00157		0.00318	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
Methoxychlor	<0.00157		0.00618	0.00157	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
Toxaphene	<0.0790		0.125	0.0790	mg/kg dry	☼	03/30/12 10:45	04/03/12 12:45	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	72		21 - 145				03/30/12 10:45	04/03/12 12:45	1.00
Decachlorobiphenyl	66		25 - 150				03/30/12 10:45	04/03/12 12:45	1.00

### Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0391		0.0621	0.0391	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:48	1.00
PCB-1221	<0.0205		0.0621	0.0205	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:48	1.00
PCB-1232	<0.0298		0.0621	0.0298	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:48	1.00
PCB-1242	<0.0485		0.0621	0.0485	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:48	1.00
PCB-1248	<0.0559		0.0621	0.0559	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:48	1.00
PCB-1254	<0.0205		0.0621	0.0205	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:48	1.00
PCB-1260	<0.0522		0.0621	0.0522	mg/kg dry	☼	03/26/12 12:27	03/28/12 22:48	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-meta-xylene	96		19 - 147				03/26/12 12:27	03/28/12 22:48	1.00
Decachlorobiphenyl	98		20 - 150				03/26/12 12:27	03/28/12 22:48	1.00

### Method: SW846 6010C - Total Metals by EPA 6010C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>4830</b>		37.8	18.9	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
Antimony	<9.45		18.9	9.45	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
<b>Arsenic</b>	<b>6.69</b>		1.89	0.945	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
<b>Barium</b>	<b>10.5</b>		3.78	1.89	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
Beryllium	<0.945		1.89	0.945	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
Cadmium	<0.945		1.89	0.945	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
<b>Calcium</b>	<b>18700</b>	<b>B1 B</b>	189	94.5	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
<b>Chromium</b>	<b>124</b>		1.89	0.945	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
Cobalt	<2.83		5.67	2.83	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
<b>Copper</b>	<b>23.2</b>		3.78	1.89	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
<b>Iron</b>	<b>7120</b>	<b>B1 B</b>	18.9	9.45	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
<b>Lead</b>	<b>32.0</b>		1.89	0.945	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
<b>Magnesium</b>	<b>3040</b>		189	94.5	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
<b>Manganese</b>	<b>57.1</b>		5.67	2.83	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
<b>Nickel</b>	<b>23.2</b>		3.78	1.89	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
<b>Potassium</b>	<b>839</b>		189	94.5	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
Selenium	<1.89		3.78	1.89	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
Silver	<0.945		1.89	0.945	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
<b>Sodium</b>	<b>5710</b>		378	189	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
Thallium	<1.89		3.78	1.89	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

**Client Sample ID: Tract 35 SS-2**

**Lab Sample ID: NWC3217-02**

Date Collected: 03/23/12 11:40

Matrix: Soil

Date Received: 03/24/12 08:30

Percent Solids: 52.7

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	13.6	J	18.9	9.45	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00
Zinc	102		18.9	9.45	mg/kg dry	☼	03/29/12 08:22	04/05/12 21:34	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.095	J	0.18	0.091	mg/kg dry	☼	03/27/12 15:45	03/28/12 11:41	1.0

**Method: SW846 7196A - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<1.90		3.79	1.90	mg/kg dry	☼	03/31/12 11:25	04/03/12 10:40	1.00

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	52.7		0.500	0.500	%		03/27/12 16:28	03/28/12 08:36	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 12C6678-BLK1**

**Matrix: Soil**

**Analysis Batch: V005674**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C6678\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,1,2-Trifluorotrchloroethane	<0.00110		0.00200	0.00110	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C6678-BLK1**

**Matrix: Soil**

**Analysis Batch: V005674**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C6678\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		04/04/12 10:55	04/04/12 13:21	1.00
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	95		70 - 130				04/04/12 10:55	04/04/12 13:21	1.00
Dibromofluoromethane	92		70 - 130				04/04/12 10:55	04/04/12 13:21	1.00
Toluene-d8	106		70 - 130				04/04/12 10:55	04/04/12 13:21	1.00
4-Bromofluorobenzene	104		70 - 130				04/04/12 10:55	04/04/12 13:21	1.00

**Lab Sample ID: 12C6678-BLK2**

**Matrix: Soil**

**Analysis Batch: V005674**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C6678\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.25		2.50	1.25	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Benzene	<0.0550		0.100	0.0550	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Bromochloromethane	<0.0600		0.100	0.0600	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Bromodichloromethane	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Bromoform	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Bromomethane	<0.0600		0.100	0.0600	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
2-Butanone	2.30	J	2.50	1.25	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Carbon disulfide	<0.180		0.250	0.180	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Carbon Tetrachloride	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Chlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Chlorodibromomethane	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Chloroethane	<0.125		0.250	0.125	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Chloroform	0.0970	J	0.100	0.0650	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Chloromethane	<0.0550		0.100	0.0550	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Cyclohexane	<0.250		0.500	0.250	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,2-Dibromo-3-chloropropane	<0.125		0.250	0.125	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Methylcyclohexane	<0.250		0.500	0.250	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,2-Dichlorobenzene	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,3-Dichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,4-Dichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Dichlorodifluoromethane	<0.0700		0.100	0.0700	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,2-Dichloroethane	<0.0550		0.100	0.0550	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,1-Dichloroethane	<0.0650		0.100	0.0650	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,1-Dichloroethene	<0.0600		0.100	0.0600	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
trans-1,2-Dichloroethene	<0.0650		0.100	0.0650	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,1,2-Trifluoroethane	<0.0550		0.100	0.0550	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
cis-1,2-Dichloroethene	<0.0550		0.100	0.0550	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,2-Dichloropropane	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
trans-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
cis-1,3-Dichloropropene	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
2-Hexanone	<1.25		2.50	1.25	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Isopropylbenzene	<0.0550		0.100	0.0550	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Methyl Acetate	0.742		0.500	0.250	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Methyl tert-Butyl Ether	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C6678-BLK2**

**Matrix: Soil**

**Analysis Batch: V005674**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C6678\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.250		0.500	0.250	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
4-Methyl-2-pentanone	<1.25		2.50	1.25	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Styrene	<0.0550		0.100	0.0550	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Tetrachloroethene	<0.0650		0.100	0.0650	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,2,4-Trichlorobenzene	<0.0600		0.100	0.0600	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,2,3-Trichlorobenzene	<0.0550		0.100	0.0550	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,1,1-Trichloroethane	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
1,1,2-Trichloroethane	<0.125		0.250	0.125	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Trichloroethene	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Vinyl chloride	<0.0500		0.100	0.0500	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		04/04/12 10:55	04/04/12 13:49	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	95		70 - 130	04/04/12 10:55	04/04/12 13:49	50.0
Dibromofluoromethane	93		70 - 130	04/04/12 10:55	04/04/12 13:49	50.0
Toluene-d8	105		70 - 130	04/04/12 10:55	04/04/12 13:49	50.0
4-Bromofluorobenzene	103		70 - 130	04/04/12 10:55	04/04/12 13:49	50.0

**Lab Sample ID: 12C6678-BS1**

**Matrix: Soil**

**Analysis Batch: V005674**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C6678\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	250	207		ug/kg		83	51 - 149
Benzene	50.0	43.1		ug/kg		86	75 - 127
Bromochloromethane	50.0	41.5		ug/kg		83	70 - 132
Bromodichloromethane	50.0	40.5		ug/kg		81	68 - 135
Bromoform	50.0	46.7		ug/kg		93	36 - 150
Bromomethane	50.0	46.5		ug/kg		93	43 - 142
2-Butanone	250	203	B	ug/kg		81	61 - 132
Carbon disulfide	50.0	43.0		ug/kg		86	74 - 135
Carbon Tetrachloride	50.0	41.1		ug/kg		82	70 - 141
Chlorobenzene	50.0	46.4		ug/kg		93	84 - 125
Chlorodibromomethane	50.0	47.6		ug/kg		95	66 - 134
Chloroethane	50.0	44.6		ug/kg		89	53 - 144
Chloroform	50.0	43.1	B	ug/kg		86	76 - 130
Chloromethane	50.0	37.0		ug/kg		74	23 - 150
Cyclohexane	50.0	42.4		ug/kg		85	70 - 133
1,2-Dibromo-3-chloropropane	50.0	48.2		ug/kg		96	49 - 142
1,2-Dibromoethane (EDB)	50.0	48.0		ug/kg		96	80 - 135
Methylcyclohexane	50.0	43.2		ug/kg		86	69 - 140
1,2-Dichlorobenzene	50.0	47.5		ug/kg		95	80 - 134
1,3-Dichlorobenzene	50.0	47.7		ug/kg		95	79 - 137
1,4-Dichlorobenzene	50.0	47.4		ug/kg		95	77 - 139
Dichlorodifluoromethane	50.0	32.8		ug/kg		66	12 - 144
1,2-Dichloroethane	50.0	41.2		ug/kg		82	65 - 134

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C6678-BS1**

**Matrix: Soil**

**Analysis Batch: V005674**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C6678\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
1,1-Dichloroethane	50.0	43.5		ug/kg		87	75 - 124	
1,1-Dichloroethene	50.0	42.4		ug/kg		85	75 - 131	
trans-1,2-Dichloroethene	50.0	42.1		ug/kg		84	76 - 128	
1,1,2-Trifluorotrchloroethane	50.0	44.1		ug/kg		88	67 - 136	
cis-1,2-Dichloroethene	50.0	42.2		ug/kg		84	75 - 125	
1,2-Dichloropropane	50.0	40.2		ug/kg		80	69 - 120	
trans-1,3-Dichloropropene	50.0	46.8		ug/kg		94	62 - 139	
cis-1,3-Dichloropropene	50.0	52.1		ug/kg		104	73 - 148	
Ethylbenzene	50.0	47.0		ug/kg		94	80 - 134	
2-Hexanone	250	243		ug/kg		97	57 - 148	
Isopropylbenzene	50.0	50.0		ug/kg		100	80 - 150	
Methyl Acetate	50.0	33.8	B	ug/kg		68	11 - 170	
Methyl tert-Butyl Ether	50.0	42.2		ug/kg		84	70 - 136	
Methylene Chloride	50.0	41.8		ug/kg		84	68 - 144	
4-Methyl-2-pentanone	250	247		ug/kg		99	59 - 138	
Styrene	50.0	48.0		ug/kg		96	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	52.5		ug/kg		105	66 - 134	
Tetrachloroethene	50.0	46.2		ug/kg		92	78 - 140	
Toluene	50.0	47.7		ug/kg		95	80 - 132	
1,2,4-Trichlorobenzene	50.0	48.8		ug/kg		98	62 - 150	
1,2,3-Trichlorobenzene	50.0	48.0		ug/kg		96	70 - 150	
1,1,1-Trichloroethane	50.0	41.8		ug/kg		84	72 - 140	
1,1,2-Trichloroethane	50.0	48.0		ug/kg		96	78 - 128	
Trichloroethene	50.0	39.9		ug/kg		80	77 - 127	
Trichlorofluoromethane	50.0	39.6		ug/kg		79	50 - 140	
Vinyl chloride	50.0	48.5		ug/kg		97	47 - 136	
Xylenes, total	150	141		ug/kg		94	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	97		70 - 130
Dibromofluoromethane	92		70 - 130
Toluene-d8	106		70 - 130
4-Bromofluorobenzene	103		70 - 130

**Lab Sample ID: 12C6678-BSD1**

**Matrix: Soil**

**Analysis Batch: V005674**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C6678\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits			
Acetone	250	231		ug/kg		93	51 - 149	11	50	
Benzene	50.0	48.9		ug/kg		98	75 - 127	13	50	
Bromochloromethane	50.0	47.0		ug/kg		94	70 - 132	12	50	
Bromodichloromethane	50.0	45.4		ug/kg		91	68 - 135	12	50	
Bromoform	50.0	47.9		ug/kg		96	36 - 150	3	50	
Bromomethane	50.0	52.4		ug/kg		105	43 - 142	12	50	
2-Butanone	250	222	B	ug/kg		89	61 - 132	9	50	
Carbon disulfide	50.0	47.3		ug/kg		95	74 - 135	9	50	
Carbon Tetrachloride	50.0	46.9		ug/kg		94	70 - 141	13	50	
Chlorobenzene	50.0	47.8		ug/kg		96	84 - 125	3	50	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C6678-BSD1**

**Matrix: Soil**

**Analysis Batch: V005674**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C6678\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	Limit
Chlorodibromomethane	50.0	49.8		ug/kg		100	66 - 134	5	50	
Chloroethane	50.0	49.7		ug/kg		99	53 - 144	11	50	
Chloroform	50.0	47.8	B	ug/kg		96	76 - 130	10	49	
Chloromethane	50.0	40.5		ug/kg		81	23 - 150	9	50	
Cyclohexane	50.0	47.8		ug/kg		96	70 - 133	12	50	
1,2-Dibromo-3-chloropropane	50.0	49.3		ug/kg		99	49 - 142	2	50	
1,2-Dibromoethane (EDB)	50.0	49.1		ug/kg		98	80 - 135	2	50	
Methylcyclohexane	50.0	48.0		ug/kg		96	69 - 140	10	50	
1,2-Dichlorobenzene	50.0	49.1		ug/kg		98	80 - 134	3	50	
1,3-Dichlorobenzene	50.0	48.6		ug/kg		97	79 - 137	2	50	
1,4-Dichlorobenzene	50.0	48.3		ug/kg		97	77 - 139	2	50	
Dichlorodifluoromethane	50.0	34.2		ug/kg		68	12 - 144	4	50	
1,2-Dichloroethane	50.0	44.9		ug/kg		90	65 - 134	9	50	
1,1-Dichloroethane	50.0	47.6		ug/kg		95	75 - 124	9	50	
1,1-Dichloroethene	50.0	46.9		ug/kg		94	75 - 131	10	50	
trans-1,2-Dichloroethene	50.0	46.6		ug/kg		93	76 - 128	10	50	
1,1,1-Trifluorotrchloroethane	50.0	47.6		ug/kg		95	67 - 136	8	50	
cis-1,2-Dichloroethene	50.0	46.0		ug/kg		92	75 - 125	8	50	
1,2-Dichloropropane	50.0	44.3		ug/kg		89	69 - 120	10	50	
trans-1,3-Dichloropropene	50.0	48.5		ug/kg		97	62 - 139	3	50	
cis-1,3-Dichloropropene	50.0	53.4		ug/kg		107	73 - 148	3	50	
Ethylbenzene	50.0	49.1		ug/kg		98	80 - 134	4	50	
2-Hexanone	250	254		ug/kg		101	57 - 148	4	50	
Isopropylbenzene	50.0	52.0		ug/kg		104	80 - 150	4	50	
Methyl Acetate	50.0	37.9	B	ug/kg		76	11 - 170	11	50	
Methyl tert-Butyl Ether	50.0	46.8		ug/kg		94	70 - 136	11	50	
Methylene Chloride	50.0	45.9		ug/kg		92	68 - 144	9	50	
4-Methyl-2-pentanone	250	253		ug/kg		101	59 - 138	3	50	
Styrene	50.0	49.9		ug/kg		100	82 - 137	4	50	
1,1,1,2-Tetrachloroethane	50.0	54.3		ug/kg		109	66 - 134	3	50	
Tetrachloroethene	50.0	47.5		ug/kg		95	78 - 140	3	50	
Toluene	50.0	49.2		ug/kg		98	80 - 132	3	50	
1,2,4-Trichlorobenzene	50.0	49.0		ug/kg		98	62 - 150	0.4	50	
1,2,3-Trichlorobenzene	50.0	48.4		ug/kg		97	70 - 150	1	50	
1,1,1-Trichloroethane	50.0	46.8		ug/kg		94	72 - 140	11	50	
1,1,2-Trichloroethane	50.0	49.6		ug/kg		99	78 - 128	3	50	
Trichloroethene	50.0	43.9		ug/kg		88	77 - 127	10	50	
Trichlorofluoromethane	50.0	42.9		ug/kg		86	50 - 140	8	50	
Vinyl chloride	50.0	53.0		ug/kg		106	47 - 136	9	50	
Xylenes, total	150	145		ug/kg		97	80 - 137	3	50	

Surrogate	LCS Dup		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	105		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	106		70 - 130
4-Bromofluorobenzene	103		70 - 130



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C6678-MS1**

**Matrix: Soil**

**Analysis Batch: V005674**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C6678\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike	Matrix Spike Qualifier	Unit	D	%Rec	Limits
	Result			Result					
Acetone	<23.9		239	326		mg/kg wet		136	19 - 175
Benzene	9.03		47.8	54.7		mg/kg wet		96	31 - 143
Bromochloromethane	<1.15		47.8	46.6		mg/kg wet		98	31 - 141
Bromodichloromethane	<0.956		47.8	45.4		mg/kg wet		95	19 - 148
Bromoform	<0.956		47.8	53.5		mg/kg wet		112	10 - 165
Bromomethane	<1.15		47.8	37.4		mg/kg wet		78	10 - 164
2-Butanone	<23.9		239	250	B	mg/kg wet		105	18 - 153
Carbon disulfide	<3.44		47.8	42.4		mg/kg wet		89	32 - 144
Carbon Tetrachloride	<0.956		47.8	46.1		mg/kg wet		97	31 - 149
Chlorobenzene	<1.05		47.8	52.3		mg/kg wet		109	25 - 152
Chlorodibromomethane	<0.956		47.8	55.5		mg/kg wet		116	14 - 146
Chloroethane	<2.39		47.8	44.3		mg/kg wet		93	10 - 151
Chloroform	<1.24		47.8	47.2	B	mg/kg wet		99	34 - 160
Chloromethane	<1.05		47.8	30.4		mg/kg wet		64	10 - 156
Cyclohexane	<4.78		47.8	46.6		mg/kg wet		97	32 - 158
1,2-Dibromo-3-chloropropane	<2.39		47.8	50.8		mg/kg wet		106	10 - 147
1,2-Dibromoethane (EDB)	<0.956		47.8	53.5		mg/kg wet		112	18 - 156
Methylcyclohexane	<4.78		47.8	49.8		mg/kg wet		104	29 - 167
1,2-Dichlorobenzene	<0.956		47.8	53.1		mg/kg wet		111	10 - 160
1,3-Dichlorobenzene	<1.15		47.8	54.3		mg/kg wet		114	10 - 162
1,4-Dichlorobenzene	<1.05		47.8	54.0		mg/kg wet		113	11 - 159
Dichlorodifluoromethane	<1.34		47.8	24.6		mg/kg wet		51	10 - 143
1,2-Dichloroethane	<1.05		47.8	46.5		mg/kg wet		97	28 - 138
1,1-Dichloroethane	<1.24		47.8	46.6		mg/kg wet		97	42 - 136
1,1-Dichloroethene	<1.15		47.8	42.4		mg/kg wet		89	41 - 143
trans-1,2-Dichloroethene	<1.24		47.8	45.5		mg/kg wet		95	39 - 140
1,1,2-Trifluorotrchloroethane	<1.05		47.8	47.1		mg/kg wet		98	42 - 147
cis-1,2-Dichloroethene	<1.05		47.8	45.9		mg/kg wet		96	36 - 139
1,2-Dichloropropane	<0.956		47.8	43.4		mg/kg wet		91	20 - 146
trans-1,3-Dichloropropene	<0.956		47.8	51.7		mg/kg wet		108	10 - 157
cis-1,3-Dichloropropene	<0.956		47.8	58.4		mg/kg wet		122	15 - 166
Ethylbenzene	1.35		47.8	54.3		mg/kg wet		111	23 - 161
2-Hexanone	<23.9		239	281		mg/kg wet		117	10 - 169
Isopropylbenzene	<1.05		47.8	57.2		mg/kg wet		120	23 - 181
Methyl Acetate	<4.78		47.8	43.3	B	mg/kg wet		91	10 - 200
Methyl tert-Butyl Ether	<0.956		47.8	44.8		mg/kg wet		94	28 - 141
Methylene Chloride	<4.78		47.8	43.8		mg/kg wet		92	24 - 182
4-Methyl-2-pentanone	<23.9		239	269		mg/kg wet		112	10 - 168
Styrene	2.38		47.8	55.5		mg/kg wet		111	10 - 165
1,1,2,2-Tetrachloroethane	<0.956		47.8	59.6		mg/kg wet		125	10 - 162
Tetrachloroethene	<1.24		47.8	53.4		mg/kg wet		112	33 - 161
Toluene	6.00		47.8	58.0		mg/kg wet		109	30 - 155
1,2,4-Trichlorobenzene	<1.15		47.8	52.3		mg/kg wet		109	10 - 167
1,2,3-Trichlorobenzene	<1.05		47.8	52.1		mg/kg wet		109	10 - 157
1,1,1-Trichloroethane	<0.956		47.8	46.2		mg/kg wet		97	35 - 149
1,1,2-Trichloroethane	<2.39		47.8	56.3		mg/kg wet		118	19 - 157
Trichloroethene	<0.956		47.8	44.1		mg/kg wet		92	27 - 153
Trichlorofluoromethane	<0.956		47.8	40.0		mg/kg wet		84	25 - 137
Vinyl chloride	<0.956		47.8	42.7		mg/kg wet		89	20 - 141

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C6678-MS1**

**Matrix: Soil**

**Analysis Batch: V005674**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C6678\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Xylenes, total	4.98		143	164		mg/kg wet		111		25 - 162
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1,2-Dichloroethane-d4	96		70 - 130							
Dibromofluoromethane	91		70 - 130							
Toluene-d8	109		70 - 130							
4-Bromofluorobenzene	102		70 - 130							

**Lab Sample ID: 12C6678-MSD1**

**Matrix: Soil**

**Analysis Batch: V005674**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C6678\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	<23.9		239	379		mg/kg wet		158		19 - 175	15	50
Benzene	9.03		47.8	58.6		mg/kg wet		104		31 - 143	7	50
Bromochloromethane	<1.15		47.8	51.8		mg/kg wet		108		31 - 141	11	50
Bromodichloromethane	<0.956		47.8	49.3		mg/kg wet		103		19 - 148	8	50
Bromoform	<0.956		47.8	59.6		mg/kg wet		125		10 - 165	11	50
Bromomethane	<1.15		47.8	47.8		mg/kg wet		100		10 - 164	25	50
2-Butanone	<23.9		239	292	B	mg/kg wet		122		18 - 153	15	50
Carbon disulfide	<3.44		47.8	46.0		mg/kg wet		96		32 - 144	8	50
Carbon Tetrachloride	<0.956		47.8	49.5		mg/kg wet		103		31 - 149	7	50
Chlorobenzene	<1.05		47.8	57.2		mg/kg wet		120		25 - 152	9	50
Chlorodibromomethane	<0.956		47.8	60.9		mg/kg wet		127		14 - 146	9	50
Chloroethane	<2.39		47.8	50.6		mg/kg wet		106		10 - 151	13	50
Chloroform	<1.24		47.8	51.6	B	mg/kg wet		108		34 - 160	9	49
Chloromethane	<1.05		47.8	33.2		mg/kg wet		70		10 - 156	9	50
Cyclohexane	<4.78		47.8	51.0		mg/kg wet		107		32 - 158	9	50
1,2-Dibromo-3-chloropropane	<2.39		47.8	59.7		mg/kg wet		125		10 - 147	16	50
1,2-Dibromoethane (EDB)	<0.956		47.8	58.9		mg/kg wet		123		18 - 156	10	50
Methylcyclohexane	<4.78		47.8	53.1		mg/kg wet		111		29 - 167	6	50
1,2-Dichlorobenzene	<0.956		47.8	57.8		mg/kg wet		121		10 - 160	8	50
1,3-Dichlorobenzene	<1.15		47.8	57.9		mg/kg wet		121		10 - 162	6	50
1,4-Dichlorobenzene	<1.05		47.8	58.1		mg/kg wet		122		11 - 159	7	50
Dichlorodifluoromethane	<1.34		47.8	25.9		mg/kg wet		54		10 - 143	5	50
1,2-Dichloroethane	<1.05		47.8	49.0		mg/kg wet		102		28 - 138	5	50
1,1-Dichloroethane	<1.24		47.8	49.9		mg/kg wet		104		42 - 136	7	50
1,1-Dichloroethene	<1.15		47.8	46.8		mg/kg wet		98		41 - 143	10	50
trans-1,2-Dichloroethene	<1.24		47.8	49.5		mg/kg wet		104		39 - 140	9	50
1,1,2-Trifluorotrchloroethane	<1.05		47.8	51.2		mg/kg wet		107		42 - 147	8	50
cis-1,2-Dichloroethene	<1.05		47.8	49.9		mg/kg wet		104		36 - 139	8	50
1,2-Dichloropropane	<0.956		47.8	48.1		mg/kg wet		101		20 - 146	10	50
trans-1,3-Dichloropropene	<0.956		47.8	56.5		mg/kg wet		118		10 - 157	9	50
cis-1,3-Dichloropropene	<0.956		47.8	62.5		mg/kg wet		131		15 - 166	7	50
Ethylbenzene	1.35		47.8	58.9		mg/kg wet		120		23 - 161	8	50
2-Hexanone	<23.9		239	317		mg/kg wet		133		10 - 169	12	50
Isopropylbenzene	<1.05		47.8	62.1		mg/kg wet		130		23 - 181	8	50
Methyl Acetate	<4.78		47.8	49.8	B	mg/kg wet		104		10 - 200	14	50
Methyl tert-Butyl Ether	<0.956		47.8	50.2		mg/kg wet		105		28 - 141	11	50

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C6678-MSD1**

**Matrix: Soil**

**Analysis Batch: V005674**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C6678\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
Methylene Chloride	<4.78		47.8	47.7		mg/kg wet		100	24 - 182	9	50
4-Methyl-2-pentanone	<23.9		239	303		mg/kg wet		127	10 - 168	12	50
Styrene	2.38		47.8	61.6		mg/kg wet		124	10 - 165	10	50
1,1,2,2-Tetrachloroethane	<0.956		47.8	66.0		mg/kg wet		138	10 - 162	10	50
Tetrachloroethene	<1.24		47.8	57.2		mg/kg wet		120	33 - 161	7	50
Toluene	6.00		47.8	62.2		mg/kg wet		118	30 - 155	7	50
1,2,4-Trichlorobenzene	<1.15		47.8	56.4		mg/kg wet		118	10 - 167	7	50
1,2,3-Trichlorobenzene	<1.05		47.8	56.7		mg/kg wet		119	10 - 157	9	50
1,1,1-Trichloroethane	<0.956		47.8	49.1		mg/kg wet		103	35 - 149	6	50
1,1,2-Trichloroethane	<2.39		47.8	61.1		mg/kg wet		128	19 - 157	8	50
Trichloroethene	<0.956		47.8	48.4		mg/kg wet		101	27 - 153	9	50
Trichlorofluoromethane	<0.956		47.8	44.3		mg/kg wet		93	25 - 137	10	50
Vinyl chloride	<0.956		47.8	48.6		mg/kg wet		102	20 - 141	13	50
Xylenes, total	4.98		143	178		mg/kg wet		120	25 - 162	8	50

**Matrix Spike Dup Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	96		70 - 130
Dibromofluoromethane	91		70 - 130
Toluene-d8	107		70 - 130
4-Bromofluorobenzene	102		70 - 130

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

**Lab Sample ID: 12C5358-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C5358**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C5358\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12C5358-BLK1

Matrix: Soil

Analysis Batch: 12C5358

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 12C5358\_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Bis(2-ethylhexyl)phthalate	1.86		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		03/26/12 15:30	03/27/12 14:31	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	104		18 - 120	03/26/12 15:30	03/27/12 14:31	1.00
2,4,6-Tribromophenol	74		19 - 120	03/26/12 15:30	03/27/12 14:31	1.00
Phenol-d5	90		18 - 120	03/26/12 15:30	03/27/12 14:31	1.00
2-Fluorobiphenyl	80		14 - 120	03/26/12 15:30	03/27/12 14:31	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C5358-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C5358**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C5358\_P**

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol	86		17 - 120	03/26/12 15:30	03/27/12 14:31	1.00
Nitrobenzene-d5	80		17 - 120	03/26/12 15:30	03/27/12 14:31	1.00

**Lab Sample ID: 12C5358-BS1**

**Matrix: Soil**

**Analysis Batch: 12C5358**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5358\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.46		mg/kg wet		88	38 - 120
Anthracene	1.67	1.59		mg/kg wet		96	46 - 124
Benzo (a) anthracene	1.67	1.62		mg/kg wet		97	45 - 120
Benzo (a) pyrene	1.67	1.69		mg/kg wet		101	45 - 120
Benzo (b) fluoranthene	1.67	1.67		mg/kg wet		100	42 - 120
Benzo (g,h,i) perylene	1.67	1.59		mg/kg wet		96	38 - 120
Benzo (k) fluoranthene	1.67	1.50		mg/kg wet		90	42 - 120
4-Bromophenyl phenyl ether	1.67	1.52		mg/kg wet		91	40 - 120
Butyl benzyl phthalate	1.67	1.60		mg/kg wet		96	43 - 133
Carbazole	1.67	1.70		mg/kg wet		102	44 - 120
4-Chloro-3-methylphenol	1.67	1.56		mg/kg wet		94	38 - 120
4-Chloroaniline	1.67	1.47		mg/kg wet		88	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.39		mg/kg wet		83	32 - 120
Bis(2-chloroethyl)ether	1.67	1.53		mg/kg wet		92	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.45		mg/kg wet		87	32 - 120
2-Chloronaphthalene	1.67	1.20		mg/kg wet		72	34 - 120
2-Chlorophenol	1.67	1.53		mg/kg wet		92	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.51		mg/kg wet		90	42 - 120
Chrysene	1.67	1.58		mg/kg wet		95	43 - 120
Dibenz (a,h) anthracene	1.67	1.61		mg/kg wet		97	32 - 128
Dibenzofuran	1.67	1.58		mg/kg wet		95	41 - 120
Di-n-butyl phthalate	1.67	1.56		mg/kg wet		94	46 - 127
1,4-Dichlorobenzene	1.67	1.11		mg/kg wet		66	32 - 120
1,2-Dichlorobenzene	1.67	1.12		mg/kg wet		67	33 - 120
1,3-Dichlorobenzene	1.67	1.14		mg/kg wet		69	32 - 120
3,3-Dichlorobenzidine	1.67	1.61		mg/kg wet		96	39 - 120
2,4-Dichlorophenol	1.67	1.38		mg/kg wet		83	32 - 120
Diethyl phthalate	1.67	1.56		mg/kg wet		94	41 - 122
2,4-Dimethylphenol	1.67	1.40		mg/kg wet		84	32 - 120
Dimethyl phthalate	1.67	1.52		mg/kg wet		91	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.50		mg/kg wet		90	27 - 134
2,4-Dinitrophenol	1.67	1.40		mg/kg wet		84	23 - 142
2,6-Dinitrotoluene	1.67	1.38		mg/kg wet		83	43 - 120
2,4-Dinitrotoluene	1.67	1.37		mg/kg wet		82	43 - 120
Di-n-octyl phthalate	1.67	1.55		mg/kg wet		93	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	1.52	B	mg/kg wet		91	43 - 120
Fluoranthene	1.67	1.72		mg/kg wet		103	46 - 120
Fluorene	1.67	1.59		mg/kg wet		95	42 - 120
Hexachlorobenzene	1.67	1.59		mg/kg wet		95	44 - 120
Hexachlorobutadiene	1.67	1.28		mg/kg wet		77	31 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C5358-BS1**

**Matrix: Soil**

**Analysis Batch: 12C5358**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5358\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Hexachlorocyclopentadiene	1.67	0.888		mg/kg wet		53	24 - 120	
Hexachloroethane	1.67	1.37		mg/kg wet		82	33 - 120	
Indeno (1,2,3-cd) pyrene	1.67	1.61		mg/kg wet		96	41 - 121	
Isophorone	1.67	1.17		mg/kg wet		70	33 - 120	
2-Methylnaphthalene	1.67	1.37		mg/kg wet		82	28 - 120	
2-Methylphenol	1.67	1.28		mg/kg wet		77	36 - 120	
3/4-Methylphenol	1.67	1.31		mg/kg wet		79	37 - 120	
Naphthalene	1.67	1.42		mg/kg wet		85	32 - 120	
3-Nitroaniline	1.67	1.76		mg/kg wet		106	42 - 120	
2-Nitroaniline	1.67	1.71		mg/kg wet		103	40 - 120	
4-Nitroaniline	1.67	1.83		mg/kg wet		110	43 - 120	
Nitrobenzene	1.67	1.07		mg/kg wet		64	26 - 120	
4-Nitrophenol	1.67	1.85		mg/kg wet		111	32 - 136	
2-Nitrophenol	1.67	1.36		mg/kg wet		82	29 - 120	
N-Nitrosodiphenylamine	1.67	1.85		mg/kg wet		111	52 - 140	
N-Nitrosodi-n-propylamine	1.67	1.55		mg/kg wet		93	35 - 120	
Pentachlorophenol	1.67	1.58		mg/kg wet		94	44 - 134	
Phenanthrene	1.67	1.60		mg/kg wet		96	45 - 120	
Phenol	1.67	1.70		mg/kg wet		102	30 - 120	
Pyrene	1.67	1.58		mg/kg wet		95	43 - 120	
1,2,4-Trichlorobenzene	1.67	1.00		mg/kg wet		60	29 - 120	
2,4,6-Trichlorophenol	1.67	1.47		mg/kg wet		88	39 - 120	
2,4,5-Trichlorophenol	1.67	1.25		mg/kg wet		75	39 - 120	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	88		18 - 120
2,4,6-Tribromophenol	64		19 - 120
Phenol-d5	79		18 - 120
2-Fluorobiphenyl	71		14 - 120
2-Fluorophenol	81		17 - 120
Nitrobenzene-d5	65		17 - 120

**Lab Sample ID: 12C5358-MS1**

**Matrix: Soil**

**Analysis Batch: 12C5358**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C5358\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Acenaphthene	<0.0341		1.69	1.41		mg/kg dry	*	83	19 - 120	
Acenaphthylene	<0.0341		1.69	1.38		mg/kg dry	*	81	25 - 120	
Anthracene	<0.0341		1.69	1.50		mg/kg dry	*	89	28 - 125	
Benzo (a) anthracene	<0.0341		1.69	1.53		mg/kg dry	*	91	23 - 120	
Benzo (a) pyrene	<0.0341		1.69	1.61		mg/kg dry	*	95	15 - 128	
Benzo (b) fluoranthene	<0.0341		1.69	1.46		mg/kg dry	*	87	12 - 133	
Benzo (g,h,i) perylene	<0.0341		1.69	1.50		mg/kg dry	*	89	22 - 120	
Benzo (k) fluoranthene	<0.0341		1.69	1.57		mg/kg dry	*	93	28 - 120	
4-Bromophenyl phenyl ether	<0.167		1.69	1.42		mg/kg dry	*	84	31 - 120	
Butyl benzyl phthalate	<0.167		1.69	1.61		mg/kg dry	*	96	24 - 133	
Carbazole	<0.167		1.69	1.59		mg/kg dry	*	94	25 - 123	
4-Chloro-3-methylphenol	<0.167		1.69	1.43		mg/kg dry	*	84	21 - 120	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12C5358-MS1

Matrix: Soil

Analysis Batch: 12C5358

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 12C5358\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
4-Chloroaniline	<0.167		1.69	1.36		mg/kg dry	*	81	26 - 120
Bis(2-chloroethoxy)methane	<0.167		1.69	1.28		mg/kg dry	*	76	24 - 120
Bis(2-chloroethyl)ether	<0.167		1.69	1.45		mg/kg dry	*	86	22 - 120
Bis(2-chloroisopropyl)ether	<0.167		1.69	1.38		mg/kg dry	*	82	20 - 120
2-Chloronaphthalene	<0.167		1.69	1.12		mg/kg dry	*	67	24 - 120
2-Chlorophenol	<0.167		1.69	1.44		mg/kg dry	*	85	25 - 120
4-Chlorophenyl phenyl ether	<0.167		1.69	1.42		mg/kg dry	*	84	26 - 120
Chrysene	<0.0341		1.69	1.52		mg/kg dry	*	90	20 - 120
Dibenz (a,h) anthracene	<0.0341		1.69	1.52		mg/kg dry	*	90	12 - 128
Dibenzofuran	<0.167		1.69	1.47		mg/kg dry	*	87	21 - 120
Di-n-butyl phthalate	<0.167		1.69	1.48		mg/kg dry	*	87	29 - 126
1,4-Dichlorobenzene	<0.167		1.69	1.03		mg/kg dry	*	61	10 - 120
1,2-Dichlorobenzene	<0.167		1.69	1.07		mg/kg dry	*	64	10 - 120
1,3-Dichlorobenzene	<0.167		1.69	1.10		mg/kg dry	*	65	10 - 120
3,3-Dichlorobenzidine	<0.167		1.69	1.52		mg/kg dry	*	90	10 - 120
2,4-Dichlorophenol	<0.167		1.69	1.29		mg/kg dry	*	76	17 - 120
Diethyl phthalate	<0.167		1.69	1.46		mg/kg dry	*	87	29 - 122
2,4-Dimethylphenol	<0.192		1.69	1.31		mg/kg dry	*	78	17 - 120
Dimethyl phthalate	<0.167		1.69	1.42		mg/kg dry	*	84	30 - 120
4,6-Dinitro-2-methylphenol	<0.167		1.69	1.18		mg/kg dry	*	70	10 - 134
2,4-Dinitrophenol	<0.167		1.69	0.811		mg/kg dry	*	48	10 - 150
2,6-Dinitrotoluene	<0.167		1.69	1.25		mg/kg dry	*	74	24 - 120
2,4-Dinitrotoluene	<0.167		1.69	1.26		mg/kg dry	*	75	24 - 121
Di-n-octyl phthalate	<0.167		1.69	1.54		mg/kg dry	*	91	27 - 130
Bis(2-ethylhexyl)phthalate	<0.167		1.69	1.51	B	mg/kg dry	*	90	26 - 120
Fluoranthene	<0.0341		1.69	1.63		mg/kg dry	*	97	10 - 143
Fluorene	<0.0341		1.69	1.50		mg/kg dry	*	89	20 - 120
Hexachlorobenzene	<0.167		1.69	1.49		mg/kg dry	*	88	25 - 120
Hexachlorobutadiene	<0.167		1.69	1.20		mg/kg dry	*	71	10 - 120
Hexachlorocyclopentadiene	<0.167		1.69	0.809		mg/kg dry	*	48	10 - 120
Hexachloroethane	<0.167		1.69	1.30		mg/kg dry	*	77	10 - 120
Indeno (1,2,3-cd) pyrene	<0.0341		1.69	1.50		mg/kg dry	*	89	22 - 121
Isophorone	<0.167		1.69	1.05		mg/kg dry	*	62	24 - 120
2-Methylnaphthalene	<0.0341		1.69	1.29		mg/kg dry	*	77	13 - 120
2-Methylphenol	<0.167		1.69	1.19		mg/kg dry	*	71	23 - 120
3/4-Methylphenol	<0.167		1.69	1.22		mg/kg dry	*	72	19 - 120
Naphthalene	<0.0341		1.69	1.34		mg/kg dry	*	79	10 - 120
3-Nitroaniline	<0.167		1.69	1.62		mg/kg dry	*	96	31 - 120
2-Nitroaniline	<0.167		1.69	1.57		mg/kg dry	*	93	31 - 120
4-Nitroaniline	<0.167		1.69	1.66		mg/kg dry	*	98	28 - 120
Nitrobenzene	<0.167		1.69	1.00		mg/kg dry	*	59	19 - 120
4-Nitrophenol	<0.167		1.69	1.69		mg/kg dry	*	100	16 - 139
2-Nitrophenol	<0.196		1.69	1.23		mg/kg dry	*	73	23 - 120
N-Nitrosodiphenylamine	<0.183		1.69	1.70		mg/kg dry	*	101	26 - 150
N-Nitrosodi-n-propylamine	<0.167		1.69	1.39		mg/kg dry	*	83	24 - 120
Pentachlorophenol	<0.167		1.69	1.18		mg/kg dry	*	70	19 - 145
Phenanthrene	<0.0341		1.69	1.51		mg/kg dry	*	90	21 - 122
Phenol	<0.167		1.69	1.58		mg/kg dry	*	94	15 - 120
Pyrene	<0.0341		1.69	1.54		mg/kg dry	*	91	20 - 123
1,2,4-Trichlorobenzene	<0.167		1.69	0.957		mg/kg dry	*	57	14 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C5358-MS1**

**Matrix: Soil**

**Analysis Batch: 12C5358**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C5358\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
2,4,6-Trichlorophenol	<0.167		1.69	1.34		mg/kg dry	☼	79	24 - 122	
2,4,5-Trichlorophenol	<0.167		1.69	1.16		mg/kg dry	☼	69	27 - 120	

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Terphenyl-d14	87		18 - 120
2,4,6-Tribromophenol	58		19 - 120
Phenol-d5	74		18 - 120
2-Fluorobiphenyl	66		14 - 120
2-Fluorophenol	71		17 - 120
Nitrobenzene-d5	61		17 - 120

**Lab Sample ID: 12C5358-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C5358**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C5358\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						RPD	Limit
Acenaphthene	<0.0341		1.67	1.28		mg/kg dry	☼	77	19 - 120	9	50	
Acenaphthylene	<0.0341		1.67	1.25		mg/kg dry	☼	74	25 - 120	10	50	
Anthracene	<0.0341		1.67	1.42		mg/kg dry	☼	85	28 - 125	5	49	
Benzo (a) anthracene	<0.0341		1.67	1.45		mg/kg dry	☼	86	23 - 120	6	50	
Benzo (a) pyrene	<0.0341		1.67	1.51		mg/kg dry	☼	90	15 - 128	6	50	
Benzo (b) fluoranthene	<0.0341		1.67	1.55		mg/kg dry	☼	93	12 - 133	6	50	
Benzo (g,h,i) perylene	<0.0341		1.67	1.42		mg/kg dry	☼	85	22 - 120	5	50	
Benzo (k) fluoranthene	<0.0341		1.67	1.32		mg/kg dry	☼	79	28 - 120	18	45	
4-Bromophenyl phenyl ether	<0.167		1.67	1.29		mg/kg dry	☼	77	31 - 120	10	37	
Butyl benzyl phthalate	<0.167		1.67	1.46		mg/kg dry	☼	87	24 - 133	10	50	
Carbazole	<0.167		1.67	1.51		mg/kg dry	☼	90	25 - 123	5	46	
4-Chloro-3-methylphenol	<0.167		1.67	1.34		mg/kg dry	☼	80	21 - 120	7	49	
4-Chloroaniline	<0.167		1.67	1.21		mg/kg dry	☼	72	26 - 120	11	50	
Bis(2-chloroethoxy)methane	<0.167		1.67	1.12		mg/kg dry	☼	67	24 - 120	13	50	
Bis(2-chloroethyl)ether	<0.167		1.67	1.18		mg/kg dry	☼	71	22 - 120	20	50	
Bis(2-chloroisopropyl)ether	<0.167		1.67	1.14		mg/kg dry	☼	68	20 - 120	19	50	
2-Chloronaphthalene	<0.167		1.67	1.00		mg/kg dry	☼	60	24 - 120	11	50	
2-Chlorophenol	<0.167		1.67	1.20		mg/kg dry	☼	72	25 - 120	18	50	
4-Chlorophenyl phenyl ether	<0.167		1.67	1.30		mg/kg dry	☼	78	26 - 120	9	50	
Chrysene	<0.0341		1.67	1.41		mg/kg dry	☼	84	20 - 120	8	49	
Dibenz (a,h) anthracene	<0.0341		1.67	1.42		mg/kg dry	☼	85	12 - 128	7	50	
Dibenzofuran	<0.167		1.67	1.37		mg/kg dry	☼	82	21 - 120	7	50	
Di-n-butyl phthalate	<0.167		1.67	1.37		mg/kg dry	☼	82	29 - 126	7	49	
1,4-Dichlorobenzene	<0.167		1.67	0.850		mg/kg dry	☼	51	10 - 120	19	50	
1,2-Dichlorobenzene	<0.167		1.67	0.889		mg/kg dry	☼	53	10 - 120	19	50	
1,3-Dichlorobenzene	<0.167		1.67	0.896		mg/kg dry	☼	54	10 - 120	20	50	
3,3-Dichlorobenzidine	<0.167		1.67	1.44		mg/kg dry	☼	86	10 - 120	5	50	
2,4-Dichlorophenol	<0.167		1.67	1.10		mg/kg dry	☼	66	17 - 120	15	50	
Diethyl phthalate	<0.167		1.67	1.38		mg/kg dry	☼	82	29 - 122	6	45	
2,4-Dimethylphenol	<0.192		1.67	1.14		mg/kg dry	☼	68	17 - 120	14	50	
Dimethyl phthalate	<0.167		1.67	1.32		mg/kg dry	☼	79	30 - 120	7	46	
4,6-Dinitro-2-methylphenol	<0.167		1.67	1.15		mg/kg dry	☼	69	10 - 134	3	50	
2,4-Dinitrophenol	<0.167		1.67	0.824		mg/kg dry	☼	49	10 - 150	2	50	



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C5358-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C5358**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C5358\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
2,6-Dinitrotoluene	<0.167		1.67	1.19		mg/kg dry	*	71	24 - 120	5	50
2,4-Dinitrotoluene	<0.167		1.67	1.21		mg/kg dry	*	72	24 - 121	4	50
Di-n-octyl phthalate	<0.167		1.67	1.44		mg/kg dry	*	86	27 - 130	7	50
Bis(2-ethylhexyl)phthalate	<0.167		1.67	1.41	B	mg/kg dry	*	84	26 - 120	7	50
Fluoranthene	<0.0341		1.67	1.50		mg/kg dry	*	90	10 - 143	8	50
Fluorene	<0.0341		1.67	1.38		mg/kg dry	*	83	20 - 120	8	50
Hexachlorobenzene	<0.167		1.67	1.37		mg/kg dry	*	82	25 - 120	9	50
Hexachlorobutadiene	<0.167		1.67	1.03		mg/kg dry	*	62	10 - 120	15	50
Hexachlorocyclopentadiene	<0.167		1.67	0.710		mg/kg dry	*	42	10 - 120	13	50
Hexachloroethane	<0.167		1.67	1.03		mg/kg dry	*	61	10 - 120	23	50
Indeno (1,2,3-cd) pyrene	<0.0341		1.67	1.43		mg/kg dry	*	86	22 - 121	5	50
Isophorone	<0.167		1.67	0.954		mg/kg dry	*	57	24 - 120	10	50
2-Methylnaphthalene	<0.0341		1.67	1.11		mg/kg dry	*	66	13 - 120	15	50
2-Methylphenol	<0.167		1.67	1.02		mg/kg dry	*	61	23 - 120	16	50
3/4-Methylphenol	<0.167		1.67	1.03		mg/kg dry	*	61	19 - 120	17	50
Naphthalene	<0.0341		1.67	1.17		mg/kg dry	*	70	10 - 120	13	50
3-Nitroaniline	<0.167		1.67	1.63		mg/kg dry	*	97	31 - 120	0.5	49
2-Nitroaniline	<0.167		1.67	1.51		mg/kg dry	*	90	31 - 120	4	50
4-Nitroaniline	<0.167		1.67	1.64		mg/kg dry	*	98	28 - 120	1	49
Nitrobenzene	<0.167		1.67	0.858		mg/kg dry	*	51	19 - 120	16	50
4-Nitrophenol	<0.167		1.67	1.61		mg/kg dry	*	96	16 - 139	5	45
2-Nitrophenol	<0.196		1.67	1.08		mg/kg dry	*	64	23 - 120	14	50
N-Nitrosodiphenylamine	<0.183		1.67	1.61		mg/kg dry	*	96	26 - 150	6	50
N-Nitrosodi-n-propylamine	<0.167		1.67	1.21		mg/kg dry	*	72	24 - 120	14	50
Pentachlorophenol	<0.167		1.67	1.14		mg/kg dry	*	68	19 - 145	3	50
Phenanthrene	<0.0341		1.67	1.43		mg/kg dry	*	85	21 - 122	6	50
Phenol	<0.167		1.67	1.37		mg/kg dry	*	82	15 - 120	14	50
Pyrene	<0.0341		1.67	1.45		mg/kg dry	*	87	20 - 123	6	50
1,2,4-Trichlorobenzene	<0.167		1.67	0.808		mg/kg dry	*	48	14 - 120	17	50
2,4,6-Trichlorophenol	<0.167		1.67	1.22		mg/kg dry	*	73	24 - 122	10	50
2,4,5-Trichlorophenol	<0.167		1.67	1.05		mg/kg dry	*	63	27 - 120	9	50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
Terphenyl-d14	80		18 - 120
2,4,6-Tribromophenol	55		19 - 120
Phenol-d5	62		18 - 120
2-Fluorobiphenyl	58		14 - 120
2-Fluorophenol	56		17 - 120
Nitrobenzene-d5	53		17 - 120

**Lab Sample ID: 12C5359-BLK1**

**Matrix: Soil**

**Analysis Batch: V005013**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C5359\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C5359-BLK1**

**Matrix: Soil**

**Analysis Batch: V005013**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C5359\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C5359-BLK1**

**Matrix: Soil**

**Analysis Batch: V005013**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C5359\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		03/26/12 15:05	03/27/12 12:02	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	61		18 - 120	03/26/12 15:05	03/27/12 12:02	1.00
2,4,6-Tribromophenol	44		19 - 120	03/26/12 15:05	03/27/12 12:02	1.00
Phenol-d5	63		18 - 120	03/26/12 15:05	03/27/12 12:02	1.00
2-Fluorobiphenyl	50		14 - 120	03/26/12 15:05	03/27/12 12:02	1.00
2-Fluorophenol	59		17 - 120	03/26/12 15:05	03/27/12 12:02	1.00
Nitrobenzene-d5	56		17 - 120	03/26/12 15:05	03/27/12 12:02	1.00

**Lab Sample ID: 12C5359-BS1**

**Matrix: Soil**

**Analysis Batch: V005013**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5359\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.08		mg/kg wet		65	36 - 120
Acenaphthylene	1.67	1.02		mg/kg wet		61	38 - 120
Anthracene	1.67	1.12		mg/kg wet		67	46 - 124
Benzo (a) anthracene	1.67	1.12		mg/kg wet		67	45 - 120
Benzo (a) pyrene	1.67	1.14		mg/kg wet		68	45 - 120
Benzo (b) fluoranthene	1.67	1.05		mg/kg wet		63	42 - 120
Benzo (g,h,i) perylene	1.67	1.04		mg/kg wet		63	38 - 120
Benzo (k) fluoranthene	1.67	1.16		mg/kg wet		70	42 - 120
4-Bromophenyl phenyl ether	1.67	1.02		mg/kg wet		61	40 - 120
Butyl benzyl phthalate	1.67	1.18		mg/kg wet		71	43 - 133
Carbazole	1.67	1.16		mg/kg wet		70	44 - 120
4-Chloro-3-methylphenol	1.67	1.16		mg/kg wet		70	38 - 120
4-Chloroaniline	1.67	1.07		mg/kg wet		64	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.03		mg/kg wet		62	32 - 120
Bis(2-chloroethyl)ether	1.67	1.13		mg/kg wet		68	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.12		mg/kg wet		67	32 - 120
2-Chloronaphthalene	1.67	0.799		mg/kg wet		48	34 - 120
2-Chlorophenol	1.67	1.16		mg/kg wet		70	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.09		mg/kg wet		65	42 - 120
Chrysene	1.67	1.08		mg/kg wet		65	43 - 120
Dibenz (a,h) anthracene	1.67	1.04		mg/kg wet		62	32 - 128
Dibenzofuran	1.67	1.12		mg/kg wet		67	41 - 120
Di-n-butyl phthalate	1.67	1.15		mg/kg wet		69	46 - 127
1,4-Dichlorobenzene	1.67	0.868		mg/kg wet		52	32 - 120
1,2-Dichlorobenzene	1.67	0.878		mg/kg wet		53	33 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C5359-BS1**

**Matrix: Soil**

**Analysis Batch: V005013**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5359\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	1.67	0.889		mg/kg wet		53	32 - 120
3,3-Dichlorobenzidine	1.67	1.07		mg/kg wet		64	39 - 120
2,4-Dichlorophenol	1.67	1.07		mg/kg wet		64	32 - 120
Diethyl phthalate	1.67	1.14		mg/kg wet		68	41 - 122
2,4-Dimethylphenol	1.67	1.08		mg/kg wet		65	32 - 120
Dimethyl phthalate	1.67	1.08		mg/kg wet		65	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.18		mg/kg wet		71	27 - 134
2,4-Dinitrophenol	1.67	1.39		mg/kg wet		83	23 - 142
2,6-Dinitrotoluene	1.67	0.996		mg/kg wet		60	43 - 120
2,4-Dinitrotoluene	1.67	0.969		mg/kg wet		58	43 - 120
Di-n-octyl phthalate	1.67	1.17		mg/kg wet		70	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	1.32		mg/kg wet		79	43 - 120
Fluoranthene	1.67	1.22		mg/kg wet		73	46 - 120
Fluorene	1.67	1.14		mg/kg wet		69	42 - 120
Hexachlorobenzene	1.67	1.05		mg/kg wet		63	44 - 120
Hexachlorobutadiene	1.67	1.02		mg/kg wet		61	31 - 120
Hexachlorocyclopentadiene	1.67	0.771		mg/kg wet		46	24 - 120
Hexachloroethane	1.67	1.08		mg/kg wet		65	33 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.04		mg/kg wet		62	41 - 121
Isophorone	1.67	0.871		mg/kg wet		52	33 - 120
2-Methylnaphthalene	1.67	1.04		mg/kg wet		62	28 - 120
2-Methylphenol	1.67	0.967		mg/kg wet		58	36 - 120
3/4-Methylphenol	1.67	0.989		mg/kg wet		59	37 - 120
Naphthalene	1.67	1.13		mg/kg wet		68	32 - 120
3-Nitroaniline	1.67	1.24		mg/kg wet		75	42 - 120
2-Nitroaniline	1.67	1.20		mg/kg wet		72	40 - 120
4-Nitroaniline	1.67	1.28		mg/kg wet		77	43 - 120
Nitrobenzene	1.67	0.810		mg/kg wet		49	26 - 120
4-Nitrophenol	1.67	1.32		mg/kg wet		79	32 - 136
2-Nitrophenol	1.67	1.05		mg/kg wet		63	29 - 120
N-Nitrosodiphenylamine	1.67	1.26		mg/kg wet		76	52 - 140
N-Nitrosodi-n-propylamine	1.67	1.21		mg/kg wet		72	35 - 120
Pentachlorophenol	1.67	1.33		mg/kg wet		80	44 - 134
Phenanthrene	1.67	1.12		mg/kg wet		67	45 - 120
Phenol	1.67	1.23		mg/kg wet		74	30 - 120
Pyrene	1.67	1.08		mg/kg wet		65	43 - 120
1,2,4-Trichlorobenzene	1.67	0.766		mg/kg wet		46	29 - 120
2,4,6-Trichlorophenol	1.67	1.06		mg/kg wet		63	39 - 120
2,4,5-Trichlorophenol	1.67	0.871		mg/kg wet		52	39 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	2	Z6	18 - 120
2,4,6-Tribromophenol	1	Z6	19 - 120
Phenol-d5	2	Z6	18 - 120
2-Fluorobiphenyl	1	Z6	14 - 120
2-Fluorophenol	2	Z6	17 - 120
Nitrobenzene-d5	2	Z6	17 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C5359-MS1**

**Matrix: Soil**

**Analysis Batch: V005013**

**Client Sample ID: Tract 35 SS-2**

**Prep Type: Total**

**Prep Batch: 12C5359\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike	Matrix Spike Qualifier	Unit	D	%Rec	Limits
	Result			Result					
Acenaphthene	<0.0628		3.13	2.01		mg/kg dry	☼	64	19 - 120
Acenaphthylene	<0.0628		3.13	1.91		mg/kg dry	☼	61	25 - 120
Anthracene	<0.0628		3.13	2.14		mg/kg dry	☼	68	28 - 125
Benzo (a) anthracene	<0.0628		3.13	2.21		mg/kg dry	☼	71	23 - 120
Benzo (a) pyrene	<0.0628		3.13	2.23		mg/kg dry	☼	71	15 - 128
Benzo (b) fluoranthene	<0.0628		3.13	2.14		mg/kg dry	☼	68	12 - 133
Benzo (g,h,i) perylene	<0.0628		3.13	2.02		mg/kg dry	☼	65	22 - 120
Benzo (k) fluoranthene	<0.0628		3.13	2.24		mg/kg dry	☼	72	28 - 120
4-Bromophenyl phenyl ether	<0.308		3.13	1.91		mg/kg dry	☼	61	31 - 120
Butyl benzyl phthalate	<0.308		3.13	2.40		mg/kg dry	☼	77	24 - 133
Carbazole	<0.308		3.13	2.23		mg/kg dry	☼	71	25 - 123
4-Chloro-3-methylphenol	<0.308		3.13	2.32		mg/kg dry	☼	74	21 - 120
4-Chloroaniline	<0.308		3.13	1.83		mg/kg dry	☼	59	26 - 120
Bis(2-chloroethoxy)methane	<0.308		3.13	1.76		mg/kg dry	☼	56	24 - 120
Bis(2-chloroethyl)ether	<0.308		3.13	1.89		mg/kg dry	☼	60	22 - 120
Bis(2-chloroisopropyl)ether	<0.308		3.13	1.94		mg/kg dry	☼	62	20 - 120
2-Chloronaphthalene	<0.308		3.13	1.47		mg/kg dry	☼	47	24 - 120
2-Chlorophenol	<0.308		3.13	2.08		mg/kg dry	☼	66	25 - 120
4-Chlorophenyl phenyl ether	<0.308		3.13	2.07		mg/kg dry	☼	66	26 - 120
Chrysene	<0.0628		3.13	2.13		mg/kg dry	☼	68	20 - 120
Dibenz (a,h) anthracene	<0.0628		3.13	2.04		mg/kg dry	☼	65	12 - 128
Dibenzofuran	<0.308		3.13	2.14		mg/kg dry	☼	68	21 - 120
Di-n-butyl phthalate	<0.308		3.13	2.07		mg/kg dry	☼	66	29 - 126
1,4-Dichlorobenzene	<0.308		3.13	1.50		mg/kg dry	☼	48	10 - 120
1,2-Dichlorobenzene	<0.308		3.13	1.54		mg/kg dry	☼	49	10 - 120
1,3-Dichlorobenzene	<0.308		3.13	1.52		mg/kg dry	☼	49	10 - 120
3,3-Dichlorobenzidine	<0.308		3.13	2.04		mg/kg dry	☼	65	10 - 120
2,4-Dichlorophenol	<0.308		3.13	2.03		mg/kg dry	☼	65	17 - 120
Diethyl phthalate	<0.308		3.13	2.05		mg/kg dry	☼	66	29 - 122
2,4-Dimethylphenol	<0.354		3.13	2.06		mg/kg dry	☼	66	17 - 120
Dimethyl phthalate	<0.308		3.13	1.90		mg/kg dry	☼	61	30 - 120
4,6-Dinitro-2-methylphenol	<0.308		3.13	0.708		mg/kg dry	☼	23	10 - 134
2,4-Dinitrophenol	<0.308		3.13	0.591	J	mg/kg dry	☼	19	10 - 150
2,6-Dinitrotoluene	<0.308		3.13	1.78		mg/kg dry	☼	57	24 - 120
2,4-Dinitrotoluene	<0.308		3.13	1.78		mg/kg dry	☼	57	24 - 121
Di-n-octyl phthalate	<0.308		3.13	2.42		mg/kg dry	☼	78	27 - 130
Bis(2-ethylhexyl)phthalate	<0.308		3.13	2.71		mg/kg dry	☼	87	26 - 120
Fluoranthene	<0.0628		3.13	2.28		mg/kg dry	☼	73	10 - 143
Fluorene	<0.0628		3.13	2.25		mg/kg dry	☼	72	20 - 120
Hexachlorobenzene	<0.308		3.13	2.03		mg/kg dry	☼	65	25 - 120
Hexachlorobutadiene	<0.308		3.13	1.80		mg/kg dry	☼	58	10 - 120
Hexachlorocyclopentadiene	<0.308		3.13	0.733		mg/kg dry	☼	23	10 - 120
Hexachloroethane	<0.308		3.13	1.81		mg/kg dry	☼	58	10 - 120
Indeno (1,2,3-cd) pyrene	<0.0628		3.13	2.03		mg/kg dry	☼	65	22 - 121
Isophorone	<0.308		3.13	1.46		mg/kg dry	☼	47	24 - 120
2-Methylnaphthalene	<0.0628		3.13	1.92		mg/kg dry	☼	62	13 - 120
2-Methylphenol	<0.308		3.13	1.82		mg/kg dry	☼	58	23 - 120
3/4-Methylphenol	<0.308		3.13	1.85		mg/kg dry	☼	59	19 - 120
Naphthalene	<0.0628		3.13	1.99		mg/kg dry	☼	64	10 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C5359-MS1**

**Matrix: Soil**

**Analysis Batch: V005013**

**Client Sample ID: Tract 35 SS-2**

**Prep Type: Total**

**Prep Batch: 12C5359\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
3-Nitroaniline	<0.308		3.13	2.38		mg/kg dry	☼	76	31 - 120	
2-Nitroaniline	<0.308		3.13	2.30		mg/kg dry	☼	73	31 - 120	
4-Nitroaniline	<0.308		3.13	2.54		mg/kg dry	☼	81	28 - 120	
Nitrobenzene	<0.308		3.13	1.39		mg/kg dry	☼	45	19 - 120	
4-Nitrophenol	<0.308		3.13	2.53		mg/kg dry	☼	81	16 - 139	
2-Nitrophenol	<0.362		3.13	1.76		mg/kg dry	☼	56	23 - 120	
N-Nitrosodiphenylamine	<0.338		3.13	2.28		mg/kg dry	☼	73	26 - 150	
N-Nitrosodi-n-propylamine	<0.308		3.13	2.06		mg/kg dry	☼	66	24 - 120	
Pentachlorophenol	<0.308		3.13	2.34		mg/kg dry	☼	75	19 - 145	
Phenanthrene	<0.0628		3.13	2.17		mg/kg dry	☼	70	21 - 122	
Phenol	<0.308		3.13	2.25		mg/kg dry	☼	72	15 - 120	
Pyrene	<0.0628		3.13	2.56		mg/kg dry	☼	82	20 - 123	
1,2,4-Trichlorobenzene	<0.308		3.13	1.41		mg/kg dry	☼	45	14 - 120	
2,4,6-Trichlorophenol	<0.308		3.13	2.05		mg/kg dry	☼	66	24 - 122	
2,4,5-Trichlorophenol	<0.308		3.13	1.77		mg/kg dry	☼	57	27 - 120	

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits
Terphenyl-d14	0.2	Z6	18 - 120
2,4,6-Tribromophenol		Z6	19 - 120
Phenol-d5		Z6	18 - 120
2-Fluorobiphenyl		Z6	14 - 120
2-Fluorophenol	0.1	Z6	17 - 120
Nitrobenzene-d5		Z6	17 - 120

**Lab Sample ID: 12C5359-MSD1**

**Matrix: Soil**

**Analysis Batch: V005013**

**Client Sample ID: Tract 35 SS-2**

**Prep Type: Total**

**Prep Batch: 12C5359\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acenaphthene	<0.0628		3.09	2.17		mg/kg dry	☼	70	19 - 120	7	50	
Acenaphthylene	<0.0628		3.09	2.04		mg/kg dry	☼	66	25 - 120	6	50	
Anthracene	<0.0628		3.09	2.21		mg/kg dry	☼	72	28 - 125	3	49	
Benzo (a) anthracene	<0.0628		3.09	2.32		mg/kg dry	☼	75	23 - 120	5	50	
Benzo (a) pyrene	<0.0628		3.09	2.33		mg/kg dry	☼	75	15 - 128	4	50	
Benzo (b) fluoranthene	<0.0628		3.09	2.28		mg/kg dry	☼	74	12 - 133	6	50	
Benzo (g,h,i) perylene	<0.0628		3.09	2.24		mg/kg dry	☼	72	22 - 120	10	50	
Benzo (k) fluoranthene	<0.0628		3.09	2.33		mg/kg dry	☼	75	28 - 120	4	45	
4-Bromophenyl phenyl ether	<0.308		3.09	2.10		mg/kg dry	☼	68	31 - 120	9	37	
Butyl benzyl phthalate	<0.308		3.09	2.57		mg/kg dry	☼	83	24 - 133	7	50	
Carbazole	<0.308		3.09	2.27		mg/kg dry	☼	73	25 - 123	2	46	
4-Chloro-3-methylphenol	<0.308		3.09	2.30		mg/kg dry	☼	74	21 - 120	0.9	49	
4-Chloroaniline	<0.308		3.09	2.10		mg/kg dry	☼	68	26 - 120	14	50	
Bis(2-chloroethoxy)methane	<0.308		3.09	1.92		mg/kg dry	☼	62	24 - 120	9	50	
Bis(2-chloroethyl)ether	<0.308		3.09	2.22		mg/kg dry	☼	72	22 - 120	16	50	
Bis(2-chloroisopropyl)ether	<0.308		3.09	2.29		mg/kg dry	☼	74	20 - 120	16	50	
2-Chloronaphthalene	<0.308		3.09	1.59		mg/kg dry	☼	51	24 - 120	8	50	
2-Chlorophenol	<0.308		3.09	2.35		mg/kg dry	☼	76	25 - 120	12	50	
4-Chlorophenyl phenyl ether	<0.308		3.09	2.27		mg/kg dry	☼	73	26 - 120	9	50	
Chrysene	<0.0628		3.09	2.22		mg/kg dry	☼	72	20 - 120	4	49	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12C5359-MSD1

Matrix: Soil

Analysis Batch: V005013

Client Sample ID: Tract 35 SS-2

Prep Type: Total

Prep Batch: 12C5359\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Dibenz (a,h) anthracene	<0.0628		3.09	2.23		mg/kg dry	*	72	12 - 128	9	50	
Dibenzofuran	<0.308		3.09	2.23		mg/kg dry	*	72	21 - 120	4	50	
Di-n-butyl phthalate	<0.308		3.09	2.17		mg/kg dry	*	70	29 - 126	5	49	
1,4-Dichlorobenzene	<0.308		3.09	1.72		mg/kg dry	*	55	10 - 120	14	50	
1,2-Dichlorobenzene	<0.308		3.09	1.75		mg/kg dry	*	56	10 - 120	13	50	
1,3-Dichlorobenzene	<0.308		3.09	1.73		mg/kg dry	*	56	10 - 120	13	50	
3,3-Dichlorobenzidine	<0.308		3.09	2.20		mg/kg dry	*	71	10 - 120	7	50	
2,4-Dichlorophenol	<0.308		3.09	2.15		mg/kg dry	*	70	17 - 120	6	50	
Diethyl phthalate	<0.308		3.09	2.17		mg/kg dry	*	70	29 - 122	5	45	
2,4-Dimethylphenol	<0.354		3.09	2.21		mg/kg dry	*	71	17 - 120	7	50	
Dimethyl phthalate	<0.308		3.09	2.02		mg/kg dry	*	65	30 - 120	6	46	
4,6-Dinitro-2-methylphenol	<0.308		3.09	0.767		mg/kg dry	*	25	10 - 134	8	50	
2,4-Dinitrophenol	<0.308		3.09	0.600	J	mg/kg dry	*	19	10 - 150	2	50	
2,6-Dinitrotoluene	<0.308		3.09	1.91		mg/kg dry	*	62	24 - 120	7	50	
2,4-Dinitrotoluene	<0.308		3.09	1.92		mg/kg dry	*	62	24 - 121	7	50	
Di-n-octyl phthalate	<0.308		3.09	2.67		mg/kg dry	*	86	27 - 130	10	50	
Bis(2-ethylhexyl)phthalate	<0.308		3.09	3.04		mg/kg dry	*	98	26 - 120	12	50	
Fluoranthene	<0.0628		3.09	2.40		mg/kg dry	*	77	10 - 143	5	50	
Fluorene	<0.0628		3.09	2.40		mg/kg dry	*	78	20 - 120	6	50	
Hexachlorobenzene	<0.308		3.09	2.15		mg/kg dry	*	69	25 - 120	6	50	
Hexachlorobutadiene	<0.308		3.09	1.93		mg/kg dry	*	63	10 - 120	7	50	
Hexachlorocyclopentadiene	<0.308		3.09	0.730		mg/kg dry	*	24	10 - 120	0.3	50	
Hexachloroethane	<0.308		3.09	2.01		mg/kg dry	*	65	10 - 120	10	50	
Indeno (1,2,3-cd) pyrene	<0.0628		3.09	2.23		mg/kg dry	*	72	22 - 121	9	50	
Isophorone	<0.308		3.09	1.63		mg/kg dry	*	53	24 - 120	11	50	
2-Methylnaphthalene	<0.0628		3.09	1.87		mg/kg dry	*	60	13 - 120	3	50	
2-Methylphenol	<0.308		3.09	2.01		mg/kg dry	*	65	23 - 120	10	50	
3/4-Methylphenol	<0.308		3.09	2.07		mg/kg dry	*	67	19 - 120	11	50	
Naphthalene	<0.0628		3.09	2.17		mg/kg dry	*	70	10 - 120	8	50	
3-Nitroaniline	<0.308		3.09	2.63		mg/kg dry	*	85	31 - 120	10	49	
2-Nitroaniline	<0.308		3.09	2.49		mg/kg dry	*	81	31 - 120	8	50	
4-Nitroaniline	<0.308		3.09	2.74		mg/kg dry	*	89	28 - 120	8	49	
Nitrobenzene	<0.308		3.09	1.53		mg/kg dry	*	49	19 - 120	9	50	
4-Nitrophenol	<0.308		3.09	2.48		mg/kg dry	*	80	16 - 139	2	45	
2-Nitrophenol	<0.362		3.09	1.97		mg/kg dry	*	64	23 - 120	11	50	
N-Nitrosodiphenylamine	<0.338		3.09	2.40		mg/kg dry	*	78	26 - 150	5	50	
N-Nitrosodi-n-propylamine	<0.308		3.09	2.40		mg/kg dry	*	77	24 - 120	15	50	
Pentachlorophenol	<0.308		3.09	2.45		mg/kg dry	*	79	19 - 145	5	50	
Phenanthrene	<0.0628		3.09	2.20		mg/kg dry	*	71	21 - 122	1	50	
Phenol	<0.308		3.09	2.53		mg/kg dry	*	82	15 - 120	12	50	
Pyrene	<0.0628		3.09	2.58		mg/kg dry	*	83	20 - 123	0.9	50	
1,2,4-Trichlorobenzene	<0.308		3.09	1.46		mg/kg dry	*	47	14 - 120	4	50	
2,4,6-Trichlorophenol	<0.308		3.09	2.23		mg/kg dry	*	72	24 - 122	8	50	
2,4,5-Trichlorophenol	<0.308		3.09	1.87		mg/kg dry	*	60	27 - 120	5	50	

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
Terphenyl-d14	0.06	Z6	18 - 120
2,4,6-Tribromophenol		Z6	19 - 120
Phenol-d5		Z6	18 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C5359-MSD1**

**Matrix: Soil**

**Analysis Batch: V005013**

**Client Sample ID: Tract 35 SS-2**

**Prep Type: Total**

**Prep Batch: 12C5359\_P**

Surrogate	Matrix Spike Dup		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	0.04	Z6	14 - 120
2-Fluorophenol		Z6	17 - 120
Nitrobenzene-d5		Z6	17 - 120

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

**Lab Sample ID: 12C5354-BLK1**

**Matrix: Soil**

**Analysis Batch: V005363**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C5354\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
delta-BHC	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
alpha-BHC	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
beta-BHC	<0.000840		0.00330	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
gamma-BHC (Lindane)	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
alpha-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
gamma-Chlordane	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
Chlordane	<0.0333		0.0667	0.0333	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
4,4'-DDD	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
4,4'-DDE	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
4,4'-DDT	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
Dieldrin	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
Endosulfan I	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
Endosulfan II	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
Endosulfan sulfate	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
Endrin	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
Endrin aldehyde	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
Endrin ketone	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
Heptachlor	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
Heptachlor epoxide	<0.000840		0.00170	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
Methoxychlor	<0.000840		0.00330	0.000840	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00
Toxaphene	<0.0422		0.0667	0.0422	mg/kg wet		03/30/12 10:45	04/03/12 00:36	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	80		21 - 145	03/30/12 10:45	04/03/12 00:36	1.00
Decachlorobiphenyl	82		25 - 150	03/30/12 10:45	04/03/12 00:36	1.00

**Lab Sample ID: 12C5354-BS1**

**Matrix: Soil**

**Analysis Batch: V005363**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5354\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0167	0.0133		mg/kg wet		80	47 - 132
delta-BHC	0.0167	0.0113		mg/kg wet		68	10 - 149
alpha-BHC	0.0167	0.0133		mg/kg wet		80	45 - 128
beta-BHC	0.0167	0.0130		mg/kg wet		78	48 - 135
gamma-BHC (Lindane)	0.0167	0.0133		mg/kg wet		80	48 - 131
alpha-Chlordane	0.0167	0.0140		mg/kg wet		84	47 - 134



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12C5354-BS1**

**Matrix: Soil**

**Analysis Batch: V005363**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5354\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
gamma-Chlordane	0.0167	0.0140		mg/kg wet		84	48 - 145	
4,4'-DDD	0.0167	0.0137		mg/kg wet		82	46 - 149	
4,4'-DDE	0.0167	0.0143		mg/kg wet		86	48 - 139	
4,4'-DDT	0.0167	0.0143		mg/kg wet		86	24 - 150	
Dieldrin	0.0167	0.0143		mg/kg wet		86	42 - 137	
Endosulfan I	0.0167	0.0143		mg/kg wet		86	10 - 150	
Endosulfan II	0.0167	0.0137		mg/kg wet		82	12 - 150	
Endosulfan sulfate	0.0167	0.0137		mg/kg wet		82	36 - 148	
Endrin	0.0167	0.0143		mg/kg wet		86	46 - 145	
Endrin aldehyde	0.0167	0.0133		mg/kg wet		80	48 - 150	
Endrin ketone	0.0167	0.0157		mg/kg wet		94	43 - 150	
Heptachlor	0.0167	0.0140		mg/kg wet		84	45 - 140	
Heptachlor epoxide	0.0167	0.0140		mg/kg wet		84	47 - 133	
Methoxychlor	0.0167	0.0150		mg/kg wet		90	23 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	80		21 - 145
Decachlorobiphenyl	80		25 - 150

**Lab Sample ID: 12C5354-BS2**

**Matrix: Soil**

**Analysis Batch: V005363**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5354\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Chlordane	0.167	0.135		mg/kg wet		81	50 - 150	
Toxaphene	0.333	0.298		mg/kg wet		89	10 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-meta-xylene	78		21 - 145
Decachlorobiphenyl	83		25 - 150

**Lab Sample ID: 12C5354-MS1**

**Matrix: Soil**

**Analysis Batch: V005363**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C5354\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Aldrin	<0.000828		0.0162	0.0123		mg/kg wet		76	11 - 140	
delta-BHC	<0.000828		0.0162	0.0104		mg/kg wet		64	10 - 149	
alpha-BHC	<0.000828		0.0162	0.0127		mg/kg wet		78	23 - 138	
beta-BHC	<0.000828		0.0162	0.0101		mg/kg wet		62	12 - 179	
gamma-BHC (Lindane)	<0.000828		0.0162	0.0130		mg/kg wet		80	24 - 145	
alpha-Chlordane	<0.000828		0.0162	0.0117		mg/kg wet		72	10 - 140	
gamma-Chlordane	<0.000828		0.0162	0.0110		mg/kg wet		68	10 - 150	
4,4'-DDD	<0.000828		0.0162	0.0120		mg/kg wet		74	10 - 154	
4,4'-DDE	<0.000828		0.0162	0.0114		mg/kg wet		70	14 - 139	
4,4'-DDT	0.00164		0.0162	0.0149		mg/kg wet		82	10 - 152	
Dieldrin	<0.000828		0.0162	0.0120		mg/kg wet		74	10 - 148	
Endosulfan I	<0.000828		0.0162	0.0127		mg/kg wet		78	10 - 158	
Endosulfan II	<0.000828		0.0162	0.0123		mg/kg wet		76	10 - 152	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

**Lab Sample ID: 12C5354-MS1**

**Matrix: Soil**

**Analysis Batch: V005363**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C5354\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
Endosulfan sulfate	<0.000828		0.0162	0.0101		mg/kg wet		62	10 - 148	
Endrin	0.00329		0.0162	0.0156		mg/kg wet		76	20 - 145	
Endrin aldehyde	<0.000828		0.0162	0.0117		mg/kg wet		72	13 - 167	
Endrin ketone	<0.000828		0.0162	0.0146		mg/kg wet		90	13 - 150	
Heptachlor	<0.000828		0.0162	0.0136		mg/kg wet		84	10 - 161	
Heptachlor epoxide	<0.000828		0.0162	0.0123		mg/kg wet		76	15 - 139	
Methoxychlor	0.00131		0.0162	0.0146		mg/kg wet		82	10 - 175	
<b>Matrix Spike Matrix Spike</b>										
<b>Surrogate</b>	<b>%Recovery</b>		<b>Qualifier</b>	<b>Limits</b>						
Tetrachloro-meta-xylene	74			21 - 145						
Decachlorobiphenyl	70			25 - 150						

**Lab Sample ID: 12C5354-MSD1**

**Matrix: Soil**

**Analysis Batch: V005363**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C5354\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Aldrin	<0.000828		0.0164	0.0124		mg/kg wet		76	11 - 140	0.8	50	
delta-BHC	<0.000828		0.0164	0.0105		mg/kg wet		64	10 - 149	0.8	50	
alpha-BHC	<0.000828		0.0164	0.0128		mg/kg wet		78	23 - 138	0.8	50	
beta-BHC	<0.000828		0.0164	0.00948		mg/kg wet		58	12 - 179	6	50	
gamma-BHC (Lindane)	<0.000828		0.0164	0.0131		mg/kg wet		80	24 - 145	0.8	50	
alpha-Chlordane	<0.000828		0.0164	0.0118		mg/kg wet		72	10 - 140	0.8	50	
gamma-Chlordane	<0.000828		0.0164	0.0114		mg/kg wet		70	10 - 150	4	50	
4,4'-DDD	<0.000828		0.0164	0.0124		mg/kg wet		76	10 - 154	3	50	
4,4'-DDE	<0.000828		0.0164	0.0114		mg/kg wet		70	14 - 139	0.8	50	
4,4'-DDT	0.00164		0.0164	0.0150		mg/kg wet		82	10 - 152	0.8	50	
Dieldrin	<0.000828		0.0164	0.0124		mg/kg wet		76	10 - 148	3	50	
Endosulfan I	<0.000828		0.0164	0.0128		mg/kg wet		78	10 - 158	0.8	50	
Endosulfan II	<0.000828		0.0164	0.0124		mg/kg wet		76	10 - 152	0.8	50	
Endosulfan sulfate	<0.000828		0.0164	0.0105		mg/kg wet		64	10 - 148	4	50	
Endrin	0.00329		0.0164	0.0157		mg/kg wet		76	20 - 145	0.8	50	
Endrin aldehyde	<0.000828		0.0164	0.0121		mg/kg wet		74	13 - 167	4	50	
Endrin ketone	<0.000828		0.0164	0.0147		mg/kg wet		90	13 - 150	0.8	50	
Heptachlor	<0.000828		0.0164	0.0137		mg/kg wet		84	10 - 161	0.8	50	
Heptachlor epoxide	<0.000828		0.0164	0.0124		mg/kg wet		76	15 - 139	0.8	50	
Methoxychlor	0.00131		0.0164	0.0150		mg/kg wet		84	10 - 175	3	50	
<b>Matrix Spike Dup Matrix Spike Dup</b>												
<b>Surrogate</b>	<b>%Recovery</b>		<b>Qualifier</b>	<b>Limits</b>								
Tetrachloro-meta-xylene	64			21 - 145								
Decachlorobiphenyl	66			25 - 150								

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 8082A - Polychlorinated Biphenyls by EPA Method 8082A

**Lab Sample ID: 12C5355-BLK1**

**Matrix: Soil**

**Analysis Batch: V005082**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C5355\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0210		0.0333	0.0210	mg/kg wet		03/26/12 12:27	03/28/12 19:55	1.00
PCB-1221	<0.0110		0.0333	0.0110	mg/kg wet		03/26/12 12:27	03/28/12 19:55	1.00
PCB-1232	<0.0160		0.0333	0.0160	mg/kg wet		03/26/12 12:27	03/28/12 19:55	1.00
PCB-1242	<0.0260		0.0333	0.0260	mg/kg wet		03/26/12 12:27	03/28/12 19:55	1.00
PCB-1248	<0.0300		0.0333	0.0300	mg/kg wet		03/26/12 12:27	03/28/12 19:55	1.00
PCB-1254	<0.0110		0.0333	0.0110	mg/kg wet		03/26/12 12:27	03/28/12 19:55	1.00
PCB-1260	<0.0280		0.0333	0.0280	mg/kg wet		03/26/12 12:27	03/28/12 19:55	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	98		19 - 147	03/26/12 12:27	03/28/12 19:55	1.00
Decachlorobiphenyl	104		20 - 150	03/26/12 12:27	03/28/12 19:55	1.00

**Lab Sample ID: 12C5355-BS1**

**Matrix: Soil**

**Analysis Batch: V005082**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5355\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1254	0.167	0.168		mg/kg wet		101	72 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	100		19 - 147
Decachlorobiphenyl	106		20 - 150

**Lab Sample ID: 12C5355-MS1**

**Matrix: Soil**

**Analysis Batch: V005082**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C5355\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
PCB-1254	<0.0110		0.168	0.170		mg/kg dry	☼	101	32 - 160

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits
Tetrachloro-meta-xylene	94		19 - 147
Decachlorobiphenyl	102		20 - 150

**Lab Sample ID: 12C5355-MSD1**

**Matrix: Soil**

**Analysis Batch: V005082**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C5355\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
PCB-1254	<0.0110		0.170	0.173		mg/kg dry	☼	102	32 - 160	2	37

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits
Tetrachloro-meta-xylene	100		19 - 147
Decachlorobiphenyl	104		20 - 150

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 6010C - Total Metals by EPA 6010C

**Lab Sample ID: 12C5270-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C5270**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C5270\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<9.98		20.0	9.98	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Antimony	<4.99		9.98	4.99	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Arsenic	<0.499		0.998	0.499	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Barium	<0.998		2.00	0.998	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Beryllium	0.519	J	0.998	0.499	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Cadmium	<0.499		0.998	0.499	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Calcium	51.0	J	99.8	49.9	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Chromium	<0.499		0.998	0.499	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Cobalt	<1.50		2.99	1.50	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Copper	<0.998		2.00	0.998	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Iron	15.6	B1	9.98	4.99	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Lead	<0.499		0.998	0.499	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Magnesium	<49.9		99.8	49.9	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Manganese	<1.50		2.99	1.50	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Nickel	<0.998		2.00	0.998	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Potassium	<49.9		99.8	49.9	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Selenium	<0.998		2.00	0.998	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Silver	<0.499		0.998	0.499	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Sodium	<99.8		200	99.8	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Thallium	<0.998		2.00	0.998	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Vanadium	<4.99		9.98	4.99	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00
Zinc	<4.99		9.98	4.99	mg/kg wet		03/29/12 08:22	04/05/12 19:59	1.00

**Lab Sample ID: 12C5270-BS1**

**Matrix: Soil**

**Analysis Batch: 12C5270**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5270\_P**

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aluminum	768	793		mg/kg wet		103	80 - 120
Antimony	38.4	39.8		mg/kg wet		104	80 - 120
Arsenic	19.2	19.7		mg/kg wet		102	80 - 120
Barium	768	818		mg/kg wet		107	80 - 120
Beryllium	19.2	20.5	B	mg/kg wet		107	80 - 120
Cadmium	19.2	20.6		mg/kg wet		107	80 - 120
Calcium	1920	1990	B	mg/kg wet		104	80 - 120
Chromium	76.8	78.6		mg/kg wet		102	80 - 120
Cobalt	192	198		mg/kg wet		103	80 - 120
Copper	96.0	98.8		mg/kg wet		103	80 - 120
Iron	384	402	B	mg/kg wet		105	80 - 120
Lead	19.2	21.2		mg/kg wet		110	80 - 120
Magnesium	1920	2060		mg/kg wet		107	80 - 120
Manganese	192	205		mg/kg wet		107	80 - 120
Nickel	192	202		mg/kg wet		105	80 - 120
Potassium	1920	1980		mg/kg wet		103	80 - 120
Selenium	19.2	20.0		mg/kg wet		104	80 - 120
Silver	19.2	19.7		mg/kg wet		103	75 - 125
Sodium	1920	1980		mg/kg wet		103	80 - 120
Thallium	19.2	19.9		mg/kg wet		104	80 - 120
Vanadium	192	200		mg/kg wet		104	80 - 120
Zinc	192	198		mg/kg wet		103	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C5270-BSD1**

**Matrix: Soil**

**Analysis Batch: 12C5270**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C5270\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Aluminum	806	838		mg/kg wet		104	80 - 120	6	20	
Antimony	40.3	41.7		mg/kg wet		103	80 - 120	5	20	
Arsenic	20.2	20.9		mg/kg wet		104	80 - 120	6	20	
Barium	806	865		mg/kg wet		107	80 - 120	6	20	
Beryllium	20.2	21.5	B	mg/kg wet		107	80 - 120	5	20	
Cadmium	20.2	21.9		mg/kg wet		108	80 - 120	6	20	
Calcium	2020	2120	B	mg/kg wet		105	80 - 120	7	20	
Chromium	80.6	82.6		mg/kg wet		102	80 - 120	5	20	
Cobalt	202	208		mg/kg wet		103	80 - 120	5	20	
Copper	101	104		mg/kg wet		103	80 - 120	5	20	
Iron	403	430	B	mg/kg wet		107	80 - 120	7	20	
Lead	20.2	22.4		mg/kg wet		111	80 - 120	5	20	
Magnesium	2020	2170		mg/kg wet		108	80 - 120	5	20	
Manganese	202	217		mg/kg wet		108	80 - 120	6	20	
Nickel	202	214		mg/kg wet		106	80 - 120	6	20	
Potassium	2020	2120		mg/kg wet		105	80 - 120	7	20	
Selenium	20.2	20.9		mg/kg wet		104	80 - 120	5	20	
Silver	20.2	20.8		mg/kg wet		103	75 - 125	6	20	
Sodium	2020	2100		mg/kg wet		104	80 - 120	6	20	
Thallium	20.2	20.7		mg/kg wet		103	80 - 120	4	20	
Vanadium	202	212		mg/kg wet		105	80 - 120	6	20	
Zinc	202	210		mg/kg wet		104	80 - 120	6	20	

**Lab Sample ID: 12C5270-MS1**

**Matrix: Soil**

**Analysis Batch: 12C5270**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C5270\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Aluminum	6780		911	12400	MHA	mg/kg dry	*	613	75 - 125	
Antimony	<5.75		45.5	44.3		mg/kg dry	*	97	75 - 125	
Arsenic	1.17		22.8	26.1		mg/kg dry	*	110	75 - 125	
Barium	16.3		911	955		mg/kg dry	*	103	75 - 125	
Beryllium	<0.575		22.8	24.6	B	mg/kg dry	*	108	75 - 125	
Cadmium	0.759		22.8	23.6		mg/kg dry	*	100	75 - 125	
Calcium	153000		2280	146000	MHA B	mg/kg dry	*	-318	75 - 125	
Chromium	5.04		91.1	95.5		mg/kg dry	*	99	75 - 125	
Cobalt	<1.72		228	248		mg/kg dry	*	109	75 - 125	
Copper	3.75		114	122		mg/kg dry	*	104	75 - 125	
Iron	4930		455	8100	MHA B	mg/kg dry	*	696	75 - 125	
Lead	6.03		22.8	32.2		mg/kg dry	*	115	75 - 125	
Magnesium	4830		2280	7620		mg/kg dry	*	123	75 - 125	
Manganese	372		228	548		mg/kg dry	*	77	75 - 125	
Nickel	4.62		228	253		mg/kg dry	*	109	75 - 125	
Potassium	2690		2280	6040	M7	mg/kg dry	*	147	75 - 125	
Selenium	<1.15		22.8	24.4		mg/kg dry	*	107	75 - 125	
Silver	<0.575		22.8	24.5		mg/kg dry	*	108	75 - 125	
Sodium	2090		2280	3450	M8	mg/kg dry	*	59	75 - 125	
Thallium	<1.15		22.8	23.2		mg/kg dry	*	102	75 - 125	
Vanadium	9.38		228	245		mg/kg dry	*	104	75 - 125	
Zinc	16.1		228	265		mg/kg dry	*	109	75 - 125	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C5270-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C5270**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C5270\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aluminum	6780		924	9640	MHA R3	mg/kg dry	☼	310	75 - 125	25	20	
Antimony	<5.75		46.2	45.5		mg/kg dry	☼	99	75 - 125	3	20	
Arsenic	1.17		23.1	26.7		mg/kg dry	☼	111	75 - 125	2	20	
Barium	16.3		924	953		mg/kg dry	☼	101	75 - 125	0.2	20	
Beryllium	<0.575		23.1	24.2	B	mg/kg dry	☼	105	75 - 125	2	20	
Cadmium	0.759		23.1	24.1		mg/kg dry	☼	101	75 - 125	2	20	
Calcium	153000		2310	199000	MHA R3 B	mg/kg dry	☼	2000	75 - 125	31	20	
Chromium	5.04		92.4	94.9		mg/kg dry	☼	97	75 - 125	0.6	20	
Cobalt	<1.72		231	251		mg/kg dry	☼	108	75 - 125	1	20	
Copper	3.75		115	122		mg/kg dry	☼	103	75 - 125	0.3	20	
Iron	4930		462	6350	MHA B	mg/kg dry	☼	308	75 - 125	24	20	
Lead	6.03		23.1	32.3		mg/kg dry	☼	114	75 - 125	0.3	20	
Magnesium	4830		2310	7900	M7	mg/kg dry	☼	133	75 - 125	4	20	
Manganese	372		231	664		mg/kg dry	☼	127	75 - 125	19	20	
Nickel	4.62		231	259		mg/kg dry	☼	110	75 - 125	2	20	
Potassium	2690		2310	5390		mg/kg dry	☼	117	75 - 125	11	20	
Selenium	<1.15		23.1	24.3		mg/kg dry	☼	105	75 - 125	0.1	20	
Silver	<0.575		23.1	24.7		mg/kg dry	☼	107	75 - 125	0.7	20	
Sodium	2090		2310	4380	R3	mg/kg dry	☼	99	75 - 125	24	20	
Thallium	<1.15		23.1	22.8		mg/kg dry	☼	99	75 - 125	1	20	
Vanadium	9.38		231	244		mg/kg dry	☼	102	75 - 125	0.6	20	
Zinc	16.1		231	264		mg/kg dry	☼	108	75 - 125	0.4	20	

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 12C5456-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C5456**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C5456\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.049		0.099	0.049	mg/kg wet		03/27/12 15:45	03/28/12 10:49	1.0

**Lab Sample ID: 12C5456-BS1**

**Matrix: Soil**

**Analysis Batch: 12C5456**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C5456\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Mercury	0.163	0.18		mg/kg wet		109	80 - 120	

**Lab Sample ID: 12C5456-BSD1**

**Matrix: Soil**

**Analysis Batch: 12C5456**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C5456\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Mercury	0.166	0.18		mg/kg wet		107	80 - 120	0.4	20	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW846 7471B - Mercury by EPA Method 7471B (Continued)

**Lab Sample ID: 12C5456-MS1**

**Matrix: Soil**

**Analysis Batch: 12C5456**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C5456\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Mercury	<0.049		0.171	0.20		mg/kg dry	☼	117	80 - 120

**Lab Sample ID: 12C5456-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C5456**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C5456\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.049		0.172	0.19		mg/kg dry	☼	110	80 - 120	5	20

## Method: SW846 7196A - General Chemistry Parameters

**Lab Sample ID: 12C6237-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C6237**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C6237\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<1.00		2.00	1.00	mg/kg wet		03/31/12 11:25	04/03/12 09:55	1.00

**Lab Sample ID: 12C6237-BS1**

**Matrix: Soil**

**Analysis Batch: 12C6237**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C6237\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chromium (VI)	40.0	40.4		mg/kg wet		101	80 - 120

**Lab Sample ID: 12C6237-MS1**

**Matrix: Soil**

**Analysis Batch: 12C6237**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C6237\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Chromium (VI)	<1.00		40.0	40.7		mg/kg wet		102	75 - 125

**Lab Sample ID: 12C6237-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C6237**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C6237\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chromium (VI)	<1.00		40.0	41.3		mg/kg wet		103	75 - 125	2	20

**Lab Sample ID: 12C6237-DUP1**

**Matrix: Soil**

**Analysis Batch: 12C6237**

**Client Sample ID: Duplicate**

**Prep Type: Total**

**Prep Batch: 12C6237\_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	Limit
Chromium (VI)	<1.00		<1.00		mg/kg wet			20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 12C5628-DUP1

Matrix: Soil

Analysis Batch: 12C5628

Client Sample ID: Duplicate

Prep Type: Total

Prep Batch: 12C5628\_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Dry Solids	84.0		84.2		%		0.2	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11



# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## GCMS Volatiles

### Analysis Batch: V005674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C6678-BLK1	Method Blank	Total	Soil	SW846 8260B	12C6678_P
12C6678-BLK2	Method Blank	Total	Soil	SW846 8260B	12C6678_P
12C6678-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12C6678_P
12C6678-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	12C6678_P
12C6678-MS1	Matrix Spike	Total	Soil	SW846 8260B	12C6678_P
12C6678-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	12C6678_P
NWC3217-01	Tract 35 SS-1	Total	Soil	SW846 8260B	12C6678_P
NWC3217-02	Tract 35 SS-2	Total	Soil	SW846 8260B	12C6678_P

### Prep Batch: 12C6678\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C6678-BLK1	Method Blank	Total	Soil	EPA 5035	
12C6678-BLK2	Method Blank	Total	Soil	EPA 5035	
12C6678-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12C6678-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
12C6678-MS1	Matrix Spike	Total	Soil	EPA 5035	
12C6678-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NWC3217-01	Tract 35 SS-1	Total	Soil	EPA 5035	
NWC3217-02	Tract 35 SS-2	Total	Soil	EPA 5035	

## GCMS Semivolatiles

### Analysis Batch: 12C5358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5358-BLK1	Method Blank	Total	Soil	SW846 8270D	12C5358_P
12C5358-BS1	Lab Control Sample	Total	Soil	SW846 8270D	12C5358_P
12C5358-MS1	Matrix Spike	Total	Soil	SW846 8270D	12C5358_P
12C5358-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8270D	12C5358_P
NWC3217-01	Tract 35 SS-1	Total	Soil	SW846 8270D	12C5358_P

### Analysis Batch: V005013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5359-BLK1	Method Blank	Total	Soil	SW846 8270D	12C5359_P
12C5359-BS1	Lab Control Sample	Total	Soil	SW846 8270D	12C5359_P
12C5359-MS1	Tract 35 SS-2	Total	Soil	SW846 8270D	12C5359_P
12C5359-MSD1	Tract 35 SS-2	Total	Soil	SW846 8270D	12C5359_P
NWC3217-02	Tract 35 SS-2	Total	Soil	SW846 8270D	12C5359_P

### Prep Batch: 12C5358\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5358-BLK1	Method Blank	Total	Soil	EPA 3550B	
12C5358-BS1	Lab Control Sample	Total	Soil	EPA 3550B	
12C5358-MS1	Matrix Spike	Total	Soil	EPA 3550B	
12C5358-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550B	
NWC3217-01	Tract 35 SS-1	Total	Soil	EPA 3550B	

### Prep Batch: 12C5359\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5359-BLK1	Method Blank	Total	Soil	EPA 3550B	
12C5359-BS1	Lab Control Sample	Total	Soil	EPA 3550B	
12C5359-MS1	Tract 35 SS-2	Total	Soil	EPA 3550B	
12C5359-MSD1	Tract 35 SS-2	Total	Soil	EPA 3550B	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## GCMS Semivolatiles (Continued)

### Prep Batch: 12C5359\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC3217-02	Tract 35 SS-2	Total	Soil	EPA 3550B	

## Pesticides

### Analysis Batch: V005082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5355-BLK1	Method Blank	Total	Soil	SW846 8082A	12C5355_P
12C5355-BS1	Lab Control Sample	Total	Soil	SW846 8082A	12C5355_P
12C5355-MS1	Matrix Spike	Total	Soil	SW846 8082A	12C5355_P
12C5355-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8082A	12C5355_P
NWC3217-01	Tract 35 SS-1	Total	Soil	SW846 8082A	12C5355_P
NWC3217-02	Tract 35 SS-2	Total	Soil	SW846 8082A	12C5355_P

### Analysis Batch: V005363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5354-BLK1	Method Blank	Total	Soil	SW846 8081B	12C5354_P
12C5354-BS1	Lab Control Sample	Total	Soil	SW846 8081B	12C5354_P
12C5354-BS2	Lab Control Sample	Total	Soil	SW846 8081B	12C5354_P
12C5354-MS1	Matrix Spike	Total	Soil	SW846 8081B	12C5354_P
12C5354-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8081B	12C5354_P

### Analysis Batch: V005403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC3217-01 - RE1	Tract 35 SS-1	Total	Soil	SW846 8081B	12C5354_P
NWC3217-02 - RE1	Tract 35 SS-2	Total	Soil	SW846 8081B	12C5354_P

### Prep Batch: 12C5354\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5354-BLK1	Method Blank	Total	Soil	EPA 3550C	
12C5354-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12C5354-BS2	Lab Control Sample	Total	Soil	EPA 3550C	
12C5354-MS1	Matrix Spike	Total	Soil	EPA 3550C	
12C5354-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550C	
NWC3217-01 - RE1	Tract 35 SS-1	Total	Soil	EPA 3550C	
NWC3217-02 - RE1	Tract 35 SS-2	Total	Soil	EPA 3550C	

### Prep Batch: 12C5355\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5355-BLK1	Method Blank	Total	Soil	EPA 3550C/3665A	
12C5355-BS1	Lab Control Sample	Total	Soil	EPA 3550C/3665A	
12C5355-MS1	Matrix Spike	Total	Soil	EPA 3550C/3665A	
12C5355-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550C/3665A	
NWC3217-01	Tract 35 SS-1	Total	Soil	EPA 3550C/3665A	
NWC3217-02	Tract 35 SS-2	Total	Soil	EPA 3550C/3665A	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## Metals

### Analysis Batch: 12C5270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5270-BLK1	Method Blank	Total	Soil	SW846 6010C	12C5270_P
12C5270-BS1	Lab Control Sample	Total	Soil	SW846 6010C	12C5270_P
12C5270-BSD1	Lab Control Sample Dup	Total	Soil	SW846 6010C	12C5270_P
12C5270-MS1	Matrix Spike	Total	Soil	SW846 6010C	12C5270_P
12C5270-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 6010C	12C5270_P
NWC3217-01	Tract 35 SS-1	Total	Soil	SW846 6010C	12C5270_P
NWC3217-02	Tract 35 SS-2	Total	Soil	SW846 6010C	12C5270_P

### Analysis Batch: 12C5456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5456-BLK1	Method Blank	Total	Soil	SW846 7471B	12C5456_P
12C5456-BS1	Lab Control Sample	Total	Soil	SW846 7471B	12C5456_P
12C5456-BSD1	Lab Control Sample Dup	Total	Soil	SW846 7471B	12C5456_P
12C5456-MS1	Matrix Spike	Total	Soil	SW846 7471B	12C5456_P
12C5456-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	12C5456_P
NWC3217-01	Tract 35 SS-1	Total	Soil	SW846 7471B	12C5456_P
NWC3217-02	Tract 35 SS-2	Total	Soil	SW846 7471B	12C5456_P

### Prep Batch: 12C5270\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5270-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
12C5270-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
12C5270-BSD1	Lab Control Sample Dup	Total	Soil	EPA 3051A/6010	
12C5270-MS1	Matrix Spike	Total	Soil	EPA 3051A/6010	
12C5270-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3051A/6010	
NWC3217-01	Tract 35 SS-1	Total	Soil	EPA 3051A/6010	
NWC3217-02	Tract 35 SS-2	Total	Soil	EPA 3051A/6010	

### Prep Batch: 12C5456\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5456-BLK1	Method Blank	Total	Soil	EPA 7471	
12C5456-BS1	Lab Control Sample	Total	Soil	EPA 7471	
12C5456-BSD1	Lab Control Sample Dup	Total	Soil	EPA 7471	
12C5456-MS1	Matrix Spike	Total	Soil	EPA 7471	
12C5456-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NWC3217-01	Tract 35 SS-1	Total	Soil	EPA 7471	
NWC3217-02	Tract 35 SS-2	Total	Soil	EPA 7471	

## WetChem

### Analysis Batch: 12C6237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C6237-BLK1	Method Blank	Total	Soil	SW846 7196A	12C6237_P
12C6237-BS1	Lab Control Sample	Total	Soil	SW846 7196A	12C6237_P
12C6237-DUP1	Duplicate	Total	Soil	SW846 7196A	12C6237_P
12C6237-MS1	Matrix Spike	Total	Soil	SW846 7196A	12C6237_P
12C6237-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7196A	12C6237_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

## WetChem (Continued)

### Analysis Batch: 12C6237 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C6237-PS1	NWC3582-08	Total	Soil	SW846 7196A	12C6237_P
NWC3217-01	Tract 35 SS-1	Total	Soil	SW846 7196A	12C6237_P
NWC3217-02	Tract 35 SS-2	Total	Soil	SW846 7196A	12C6237_P

### Prep Batch: 12C6237\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C6237-BLK1	Method Blank	Total	Soil	NO PREP	
12C6237-BS1	Lab Control Sample	Total	Soil	NO PREP	
12C6237-DUP1	Duplicate	Total	Soil	NO PREP	
12C6237-MS1	Matrix Spike	Total	Soil	NO PREP	
12C6237-MSD1	Matrix Spike Duplicate	Total	Soil	NO PREP	
12C6237-PS1	NWC3582-08	Total	Soil	NO PREP	
NWC3217-01	Tract 35 SS-1	Total	Soil	NO PREP	
NWC3217-02	Tract 35 SS-2	Total	Soil	NO PREP	

## Extractions

### Analysis Batch: 12C5628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5628-DUP1	Duplicate	Total	Soil	SW-846	12C5628_P
NWC3217-01	Tract 35 SS-1	Total	Soil	SW-846	12C5628_P
NWC3217-02	Tract 35 SS-2	Total	Soil	SW-846	12C5628_P

### Prep Batch: 12C5628\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C5628-DUP1	Duplicate	Total	Soil	% Solids	
NWC3217-01	Tract 35 SS-1	Total	Soil	% Solids	
NWC3217-02	Tract 35 SS-2	Total	Soil	% Solids	

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

**Client Sample ID: Tract 35 SS-1**

**Lab Sample ID: NWC3217-01**

**Date Collected: 03/23/12 11:30**

**Matrix: Soil**

**Date Received: 03/24/12 08:30**

**Percent Solids: 36.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.42	12C6678_P	03/23/12 11:30	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V005674	04/04/12 16:50	MJH /	TAL NSH
Total	Prep	EPA 3550B		0.992	12C5358_P	03/26/12 15:30	KDF	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C5358	03/28/12 14:18	WLS	TAL NSH
Total	Prep	EPA 3550C/3665A		0.991	12C5355_P	03/26/12 12:27	KDF	TAL NSH
Total	Analysis	SW846 8082A		1.00	V005082	03/28/12 22:26	WAM	TAL NSH
Total	Prep	EPA 3550C	RE1	0.988	12C5354_P	03/30/12 10:45	JJR	TAL NSH
Total	Analysis	SW846 8081B	RE1	1.00	V005403	04/03/12 12:31	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		0.980	12C5270_P	03/29/12 08:22	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C5270	04/05/12 21:31	DEB	TAL NSH
Total	Prep	EPA 7471		1.0	12C5456_P	03/27/12 15:45	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C5456	03/28/12 11:34	MB	TAL NSH
Total	Prep	NO PREP		1.00	12C6237_P	03/31/12 11:25	AMB	TAL NSH
Total	Analysis	SW846 7196A		1.00	12C6237	04/03/12 10:50	CLJ	TAL NSH
Total	Prep	% Solids		1.00	12C5628_P	03/27/12 16:28	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C5628	03/28/12 08:36	RRS	TAL NSH

**Client Sample ID: Tract 35 SS-2**

**Lab Sample ID: NWC3217-02**

**Date Collected: 03/23/12 11:40**

**Matrix: Soil**

**Date Received: 03/24/12 08:30**

**Percent Solids: 52.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.15	12C6678_P	03/23/12 11:40	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V005674	04/04/12 17:18	MJH /	TAL NSH
Total	Prep	EPA 3550B		0.973	12C5359_P	03/26/12 15:05	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	V005013	03/27/12 14:20	KJP	TAL NSH
Total	Prep	EPA 3550C/3665A		0.983	12C5355_P	03/26/12 12:27	KDF	TAL NSH
Total	Analysis	SW846 8082A		1.00	V005082	03/28/12 22:48	WAM	TAL NSH
Total	Prep	EPA 3550C	RE1	0.987	12C5354_P	03/30/12 10:45	JJR	TAL NSH
Total	Analysis	SW846 8081B	RE1	1.00	V005403	04/03/12 12:45	WAM	TAL NSH
Total	Prep	EPA 3051A/6010		0.996	12C5270_P	03/29/12 08:22	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C5270	04/05/12 21:34	DEB	TAL NSH
Total	Prep	EPA 7471		0.96	12C5456_P	03/27/12 15:45	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C5456	03/28/12 11:41	MB	TAL NSH
Total	Prep	NO PREP		1.00	12C6237_P	03/31/12 11:25	AMB	TAL NSH
Total	Analysis	SW846 7196A		1.00	12C6237	04/03/12 10:40	CLJ	TAL NSH
Total	Prep	% Solids		1.00	12C5628_P	03/27/12 16:28	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C5628	03/28/12 08:36	RRS	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 8081B	Organochlorine Pesticides by EPA Method 8081B		TAL NSH
SW846 8082A	Polychlorinated Biphenyls by EPA Method 8082A		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH
SW846 7196A	General Chemistry Parameters		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



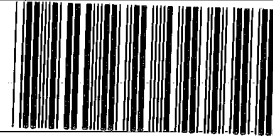
# Certification Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC3217

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



NWC3217

Cooler Received/Opened On 3/24/2012 @ 8:30

1. Tracking # 0882 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 17960357

2. Temperature of rep. sample or temp blank when opened: 3.0 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) CB

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) CB

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) CB

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) CB

I certify that I attached a label with the unique LIMS number to each container (initial) CB

21. Were there Non-Conformance issues at login? YES...NO... Was a PIPE generated? YES...NO...#





# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NWC0345  
Client Project/Site: 1131-08-554  
Client Project Description: Port Access Road

For:  
S&ME, Inc. (2420)  
620 Wando Park Blvd.  
Mt. Pleasant, SC 29464

Attn: Mary Beth Cline



Authorized for release by:  
5/2/2012 10:05:53 AM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWC0345-01	Tract 37 SB-3 (0-2)	Soil	03/01/12 11:15	03/02/12 08:20
NWC0345-02	Tract 37 SB-3 (8-12)	Soil	03/01/12 11:30	03/02/12 08:20
NWC0345-03	Tract 37 TW-3 (10-14)	Ground Water	03/01/12 11:45	03/02/12 08:20
NWC0345-04	Tract 62 SB-1 (0-2)	Soil	03/01/12 14:50	03/02/12 08:20
NWC0345-05	Tract 62 SB-1 (8-12)	Soil	03/01/12 15:00	03/02/12 08:20
NWC0345-06	Tract 62 TW-1 (8-12)	Ground Water	03/01/12 15:15	03/02/12 08:20
NWC0345-07	Trip Blank	Water	03/01/12 00:01	03/02/12 08:20
NWC0345-08	Trip Blank 2	Water	03/01/12 00:01	03/02/12 08:20

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# Case Narrative

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

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**Job ID: NWC0345**

---

**Laboratory: TestAmerica Nashville**

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**Narrative**

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REVISED REPORT: 05/02/12 KAH - To correct the client sample ID on NWC0345-06 to Tract 62 TW-1(8-12) as listed on the COC. This report replaces the one generated on 03/23/12 @ 1400.

Final Report: To include subcontracted Dioxin data. This report replaces the one generated on 03/16/12 @ 1725.

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# Definitions/Glossary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Qualifiers

### GCMS Volatiles

Qualifier	Qualifier Description
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
L2	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GCMS Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
B	Analyte was detected in the associated Method Blank.
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
P7	Sample filtered in lab.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 37 SB-3 (0-2)**

**Lab Sample ID: NWC0345-01**

**Date Collected: 03/01/12 11:15**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 81.9**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0256		0.0512	0.0256	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Benzene	<0.00113		0.00205	0.00113	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Bromochloromethane	<0.00123		0.00205	0.00123	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Bromodichloromethane	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Bromoform	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Bromomethane	<0.00123		0.00205	0.00123	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
2-Butanone	<0.0256		0.0512	0.0256	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Carbon disulfide	<0.00369		0.00512	0.00369	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Carbon Tetrachloride	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Chlorobenzene	<0.00113		0.00205	0.00113	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Chlorodibromomethane	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Chloroethane	<0.00256		0.00512	0.00256	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Chloroform	<0.00133		0.00205	0.00133	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Chloromethane	<0.00113		0.00205	0.00113	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Cyclohexane	<0.00512		0.0102	0.00512	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,2-Dibromo-3-chloropropane	<0.00256		0.00512	0.00256	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,2-Dibromoethane (EDB)	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Methylcyclohexane	<0.00512		0.0102	0.00512	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,2-Dichlorobenzene	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,3-Dichlorobenzene	<0.00123		0.00205	0.00123	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,4-Dichlorobenzene	<0.00113		0.00205	0.00113	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Dichlorodifluoromethane	<0.00143		0.00205	0.00143	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,2-Dichloroethane	<0.00113		0.00205	0.00113	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,1-Dichloroethane	<0.00133		0.00205	0.00133	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,1-Dichloroethene	<0.00123		0.00205	0.00123	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
trans-1,2-Dichloroethene	<0.00133		0.00205	0.00133	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,1,2-Trifluoro-trichloroethane	<0.00113		0.00205	0.00113	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
cis-1,2-Dichloroethene	<0.00113		0.00205	0.00113	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,2-Dichloropropane	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
trans-1,3-Dichloropropene	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
cis-1,3-Dichloropropene	<0.00102	L	0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Ethylbenzene	<0.00113		0.00205	0.00113	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
2-Hexanone	<0.0256		0.0512	0.0256	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Isopropylbenzene	<0.00113		0.00205	0.00113	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Methyl Acetate	<0.00512		0.0102	0.00512	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Methyl tert-Butyl Ether	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Methylene Chloride	<0.00512		0.0102	0.00512	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
4-Methyl-2-pentanone	<0.0256	L	0.0512	0.0256	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Styrene	<0.00113		0.00205	0.00113	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,1,2,2-Tetrachloroethane	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Tetrachloroethene	<0.00133		0.00205	0.00133	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Toluene	<0.00113		0.00205	0.00113	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,2,4-Trichlorobenzene	<0.00123		0.00205	0.00123	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,2,3-Trichlorobenzene	<0.00113		0.00205	0.00113	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,1,1-Trichloroethane	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
1,1,2-Trichloroethane	<0.00256		0.00512	0.00256	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Trichloroethene	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Trichlorofluoromethane	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Vinyl chloride	<0.00102		0.00205	0.00102	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00
Xylenes, total	<0.00256		0.00512	0.00256	mg/kg dry	☼	03/01/12 11:15	03/07/12 15:10	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 37 SB-3 (0-2)**

**Lab Sample ID: NWC0345-01**

**Date Collected: 03/01/12 11:15**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 81.9**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		70 - 130	03/01/12 11:15	03/07/12 15:10	1.00
Dibromofluoromethane	106		70 - 130	03/01/12 11:15	03/07/12 15:10	1.00
Toluene-d8	108		70 - 130	03/01/12 11:15	03/07/12 15:10	1.00
4-Bromofluorobenzene	102		70 - 130	03/01/12 11:15	03/07/12 15:10	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Acenaphthylene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Anthracene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Benzo (a) anthracene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Benzo (a) pyrene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Benzo (b) fluoranthene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Benzo (g,h,i) perylene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Benzo (k) fluoranthene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
4-Bromophenyl phenyl ether	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Butyl benzyl phthalate	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Carbazole	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
4-Chloro-3-methylphenol	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
4-Chloroaniline	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Bis(2-chloroethoxy)methane	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Bis(2-chloroethyl)ether	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Bis(2-chloroisopropyl)ether	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
2-Chloronaphthalene	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
2-Chlorophenol	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
4-Chlorophenyl phenyl ether	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Chrysene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Dibenz (a,h) anthracene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Dibenzofuran	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Di-n-butyl phthalate	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
1,4-Dichlorobenzene	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
1,2-Dichlorobenzene	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
1,3-Dichlorobenzene	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
3,3-Dichlorobenzidine	<0.200		0.799	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
2,4-Dichlorophenol	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Diethyl phthalate	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
2,4-Dimethylphenol	<0.230		0.399	0.230	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Dimethyl phthalate	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
4,6-Dinitro-2-methylphenol	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
2,4-Dinitrophenol	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
2,6-Dinitrotoluene	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
2,4-Dinitrotoluene	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Di-n-octyl phthalate	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Bis(2-ethylhexyl)phthalate	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Fluoranthene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Fluorene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Hexachlorobenzene	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Hexachlorobutadiene	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Hexachlorocyclopentadiene	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Hexachloroethane	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Indeno (1,2,3-cd) pyrene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Isophorone	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 37 SB-3 (0-2)**

**Lab Sample ID: NWC0345-01**

**Date Collected: 03/01/12 11:15**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 81.9**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
2-Methylphenol	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
3/4-Methylphenol	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Naphthalene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
3-Nitroaniline	<0.200		0.997	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
2-Nitroaniline	<0.200		0.997	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
4-Nitroaniline	<0.200		0.997	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Nitrobenzene	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
4-Nitrophenol	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
2-Nitrophenol	<0.235		0.399	0.235	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
N-Nitrosodiphenylamine	<0.219		0.399	0.219	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
N-Nitrosodi-n-propylamine	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Pentachlorophenol	<0.200		0.997	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Phenanthrene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Phenol	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
Pyrene	<0.0407		0.0802	0.0407	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
1,2,4-Trichlorobenzene	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
2,4,6-Trichlorophenol	<0.200		0.399	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00
2,4,5-Trichlorophenol	<0.200		0.997	0.200	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:22	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	57		18 - 120	03/05/12 05:30	03/05/12 22:22	1.00
2,4,6-Tribromophenol	43		19 - 120	03/05/12 05:30	03/05/12 22:22	1.00
Phenol-d5	49		18 - 120	03/05/12 05:30	03/05/12 22:22	1.00
2-Fluorobiphenyl	43		14 - 120	03/05/12 05:30	03/05/12 22:22	1.00
2-Fluorophenol	46		17 - 120	03/05/12 05:30	03/05/12 22:22	1.00
Nitrobenzene-d5	44		17 - 120	03/05/12 05:30	03/05/12 22:22	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>7550</b>	<b>MHA</b>	24.4	12.2	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
Antimony	<6.10		12.2	6.10	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Arsenic</b>	<b>2.95</b>		1.22	0.610	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Barium</b>	<b>32.3</b>		2.44	1.22	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
Beryllium	<0.610		1.22	0.610	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
Cadmium	<0.610		1.22	0.610	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Calcium</b>	<b>4620</b>	<b>MHA</b>	122	61.0	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Chromium</b>	<b>11.0</b>		1.22	0.610	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Cobalt</b>	<b>1.88</b>	<b>J</b>	3.66	1.83	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Copper</b>	<b>3.05</b>		2.44	1.22	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Iron</b>	<b>7480</b>	<b>MHA B</b>	12.2	6.10	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Lead</b>	<b>9.69</b>		1.22	0.610	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Magnesium</b>	<b>715</b>		122	61.0	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Manganese</b>	<b>56.2</b>	<b>B</b>	3.66	1.83	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Nickel</b>	<b>3.39</b>		2.44	1.22	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Potassium</b>	<b>336</b>		122	61.0	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
Selenium	<1.22		2.44	1.22	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
Silver	<0.610		1.22	0.610	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
Sodium	<122		244	122	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
Thallium	<1.22		2.44	1.22	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00
<b>Vanadium</b>	<b>14.7</b>		12.2	6.10	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Client Sample ID: Tract 37 SB-3 (0-2)

Lab Sample ID: NWC0345-01

Date Collected: 03/01/12 11:15

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 81.9

### Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	17.9		12.2	6.10	mg/kg dry	☼	03/07/12 10:11	03/13/12 20:47	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.061	J	0.12	0.059	mg/kg dry	☼	03/05/12 14:30	03/06/12 11:03	1.0

### Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	0.00				%		03/23/12 13:44	03/23/12 13:45	1.00

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	81.9		0.500	0.500	%		03/05/12 11:46	03/06/12 09:34	1.00

## Client Sample ID: Tract 37 SB-3 (8-12)

Lab Sample ID: NWC0345-02

Date Collected: 03/01/12 11:30

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 84

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0246		0.0492	0.0246	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Benzene	<0.00108		0.00197	0.00108	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Bromochloromethane	<0.00118		0.00197	0.00118	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Bromodichloromethane	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Bromoform	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Bromomethane	<0.00118		0.00197	0.00118	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
2-Butanone	<0.0246		0.0492	0.0246	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Carbon disulfide	<0.00355		0.00492	0.00355	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Carbon Tetrachloride	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Chlorobenzene	<0.00108		0.00197	0.00108	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Chlorodibromomethane	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Chloroethane	<0.00246		0.00492	0.00246	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Chloroform	<0.00128		0.00197	0.00128	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Chloromethane	<0.00108		0.00197	0.00108	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Cyclohexane	<0.00492		0.00985	0.00492	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,2-Dibromo-3-chloropropane	<0.00246		0.00492	0.00246	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,2-Dibromoethane (EDB)	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Methylcyclohexane	<0.00492		0.00985	0.00492	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,2-Dichlorobenzene	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,3-Dichlorobenzene	<0.00118		0.00197	0.00118	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,4-Dichlorobenzene	<0.00108		0.00197	0.00108	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Dichlorodifluoromethane	<0.00138		0.00197	0.00138	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,2-Dichloroethane	<0.00108		0.00197	0.00108	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,1-Dichloroethane	<0.00128		0.00197	0.00128	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,1-Dichloroethene	<0.00118		0.00197	0.00118	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
trans-1,2-Dichloroethene	<0.00128		0.00197	0.00128	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,1,2-Trifluorotrchloroethane	<0.00108		0.00197	0.00108	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
cis-1,2-Dichloroethene	<0.00108		0.00197	0.00108	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,2-Dichloropropane	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
trans-1,3-Dichloropropene	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
cis-1,3-Dichloropropene	<0.000985	L	0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Ethylbenzene	<0.00108		0.00197	0.00108	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 37 SB-3 (8-12)**

**Lab Sample ID: NWC0345-02**

**Date Collected: 03/01/12 11:30**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 84**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	<0.0246		0.0492	0.0246	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Isopropylbenzene	<0.00108		0.00197	0.00108	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Methyl Acetate	<0.00492		0.00985	0.00492	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Methyl tert-Butyl Ether	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Methylene Chloride	<0.00492		0.00985	0.00492	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
4-Methyl-2-pentanone	<0.0246	L	0.0492	0.0246	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Styrene	<0.00108		0.00197	0.00108	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,1,2,2-Tetrachloroethane	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Tetrachloroethene	<0.00128		0.00197	0.00128	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Toluene	<0.00108		0.00197	0.00108	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,2,4-Trichlorobenzene	<0.00118		0.00197	0.00118	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,2,3-Trichlorobenzene	<0.00108		0.00197	0.00108	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,1,1-Trichloroethane	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
1,1,2-Trichloroethane	<0.00246		0.00492	0.00246	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Trichloroethene	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Trichlorofluoromethane	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Vinyl chloride	<0.000985		0.00197	0.000985	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00
Xylenes, total	<0.00246		0.00492	0.00246	mg/kg dry	☼	03/01/12 11:30	03/07/12 15:41	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		70 - 130	03/01/12 11:30	03/07/12 15:41	1.00
Dibromofluoromethane	105		70 - 130	03/01/12 11:30	03/07/12 15:41	1.00
Toluene-d8	109		70 - 130	03/01/12 11:30	03/07/12 15:41	1.00
4-Bromofluorobenzene	101		70 - 130	03/01/12 11:30	03/07/12 15:41	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Acenaphthylene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Anthracene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Benzo (a) anthracene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Benzo (a) pyrene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Benzo (b) fluoranthene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Benzo (g,h,i) perylene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Benzo (k) fluoranthene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
4-Bromophenyl phenyl ether	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Butyl benzyl phthalate	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Carbazole	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
4-Chloro-3-methylphenol	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
4-Chloroaniline	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Bis(2-chloroethoxy)methane	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Bis(2-chloroethyl)ether	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Bis(2-chloroisopropyl)ether	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2-Chloronaphthalene	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2-Chlorophenol	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
4-Chlorophenyl phenyl ether	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Chrysene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Dibenz (a,h) anthracene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Dibenzofuran	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Di-n-butyl phthalate	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
1,4-Dichlorobenzene	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 37 SB-3 (8-12)**

**Lab Sample ID: NWC0345-02**

**Date Collected: 03/01/12 11:30**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 84**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
1,3-Dichlorobenzene	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
3,3-Dichlorobenzidine	<0.195		0.779	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2,4-Dichlorophenol	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Diethyl phthalate	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2,4-Dimethylphenol	<0.224		0.389	0.224	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Dimethyl phthalate	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
4,6-Dinitro-2-methylphenol	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2,4-Dinitrophenol	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2,6-Dinitrotoluene	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2,4-Dinitrotoluene	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Di-n-octyl phthalate	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Bis(2-ethylhexyl)phthalate	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Fluoranthene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Fluorene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Hexachlorobenzene	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Hexachlorobutadiene	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Hexachlorocyclopentadiene	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Hexachloroethane	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Indeno (1,2,3-cd) pyrene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Isophorone	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2-Methylnaphthalene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2-Methylphenol	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
3/4-Methylphenol	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Naphthalene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
3-Nitroaniline	<0.195		0.973	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2-Nitroaniline	<0.195		0.973	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
4-Nitroaniline	<0.195		0.973	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Nitrobenzene	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
4-Nitrophenol	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2-Nitrophenol	<0.229		0.389	0.229	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
N-Nitrosodiphenylamine	<0.214		0.389	0.214	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
N-Nitrosodi-n-propylamine	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Pentachlorophenol	<0.195		0.973	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Phenanthrene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Phenol	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
Pyrene	<0.0397		0.0783	0.0397	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
1,2,4-Trichlorobenzene	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2,4,6-Trichlorophenol	<0.195		0.389	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00
2,4,5-Trichlorophenol	<0.195		0.973	0.195	mg/kg dry	☼	03/05/12 05:30	03/05/12 22:42	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	72		18 - 120	03/05/12 05:30	03/05/12 22:42	1.00
2,4,6-Tribromophenol	56		19 - 120	03/05/12 05:30	03/05/12 22:42	1.00
Phenol-d5	61		18 - 120	03/05/12 05:30	03/05/12 22:42	1.00
2-Fluorobiphenyl	58		14 - 120	03/05/12 05:30	03/05/12 22:42	1.00
2-Fluorophenol	57		17 - 120	03/05/12 05:30	03/05/12 22:42	1.00
Nitrobenzene-d5	56		17 - 120	03/05/12 05:30	03/05/12 22:42	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 37 SB-3 (8-12)**

**Lab Sample ID: NWC0345-02**

Date Collected: 03/01/12 11:30

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 84

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12400		23.2	11.6	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Antimony	<5.80		11.6	5.80	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Arsenic	3.66		1.16	0.580	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Barium	24.5		2.32	1.16	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Beryllium	<0.580		1.16	0.580	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Cadmium	<0.580		1.16	0.580	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Calcium	738		116	58.0	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Chromium	15.2		1.16	0.580	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Cobalt	1.74	J	3.48	1.74	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Copper	<1.16		2.32	1.16	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Iron	8070	B	11.6	5.80	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Lead	5.38		1.16	0.580	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Magnesium	605		116	58.0	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Manganese	20.3	B	3.48	1.74	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Nickel	5.24		2.32	1.16	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Potassium	269		116	58.0	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Selenium	<1.16		2.32	1.16	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Silver	<0.580		1.16	0.580	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Sodium	<116		232	116	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Thallium	<1.16		2.32	1.16	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Vanadium	15.4		11.6	5.80	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00
Zinc	10.3	J	11.6	5.80	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:07	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.058		0.12	0.058	mg/kg dry	☼	03/05/12 14:30	03/06/12 11:06	1.0

**Method: subcontract - Subcontracted Analysis**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	0.00				%		03/23/12 13:44	03/23/12 13:45	1.00

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	84.0		0.500	0.500	%		03/05/12 11:46	03/06/12 09:34	1.00

**Client Sample ID: Tract 37 TW-3 (10-14)**

**Lab Sample ID: NWC0345-03**

Date Collected: 03/01/12 11:45

Matrix: Ground Water

Date Received: 03/02/12 08:20

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Carbon disulfide	0.970	J	1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 37 TW-3 (10-14)**

**Lab Sample ID: NWC0345-03**

**Date Collected: 03/01/12 11:45**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Methyl Acetate	<5.00	L2	10.0	5.00	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 10:57	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/08/12 04:58	03/08/12 10:57	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	86		70 - 130	03/08/12 04:58	03/08/12 10:57	1.00
Dibromofluoromethane	90		70 - 130	03/08/12 04:58	03/08/12 10:57	1.00
Toluene-d8	97		70 - 130	03/08/12 04:58	03/08/12 10:57	1.00
4-Bromofluorobenzene	100		70 - 130	03/08/12 04:58	03/08/12 10:57	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Anthracene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 37 TW-3 (10-14)**

**Lab Sample ID: NWC0345-03**

**Date Collected: 03/01/12 11:45**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Carbazole	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Chrysene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Fluorene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Isophorone	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 37 TW-3 (10-14)**

**Lab Sample ID: NWC0345-03**

**Date Collected: 03/01/12 11:45**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Phenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Pyrene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 22:02	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	35		13 - 120				03/03/12 11:00	03/03/12 22:02	1.00
2,4,6-Tribromophenol	43		10 - 120				03/03/12 11:00	03/03/12 22:02	1.00
Phenol-d5	23		10 - 120				03/03/12 11:00	03/03/12 22:02	1.00
2-Fluorobiphenyl	48		29 - 120				03/03/12 11:00	03/03/12 22:02	1.00
2-Fluorophenol	39		10 - 120				03/03/12 11:00	03/03/12 22:02	1.00
Nitrobenzene-d5	52		27 - 120				03/03/12 11:00	03/03/12 22:02	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500	P7	0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Arsenic	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
<b>Barium</b>	<b>0.0210</b>	<b>P7</b>	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Cadmium	<0.000600	P7	0.00100	0.000600	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
<b>Calcium</b>	<b>30.2</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
<b>Cobalt</b>	<b>0.0313</b>	<b>P7</b>	0.0200	0.0100	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
<b>Iron</b>	<b>0.0823</b>	<b>P7 B</b>	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Lead	<0.00250	P7	0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
<b>Magnesium</b>	<b>5.20</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
<b>Manganese</b>	<b>0.707</b>	<b>P7</b>	0.0150	0.00750	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Nickel	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
<b>Potassium</b>	<b>0.634</b>	<b>P7 J</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Silver	<0.00250	P7	0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
<b>Sodium</b>	<b>76.3</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		03/11/12 11:52	03/12/12 16:30	1.00
Zinc	<0.0250	P7	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:30	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>41.9</b>	<b>MHA</b>	0.100	0.0500	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Antimony	<0.00500	M8	0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
<b>Arsenic</b>	<b>0.0197</b>	<b>M8</b>	0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
<b>Barium</b>	<b>0.316</b>	<b>M8</b>	0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
<b>Beryllium</b>	<b>0.00480</b>	<b>M8</b>	0.00400	0.00200	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Cadmium	<0.000600	M8	0.00100	0.000600	mg/L		03/11/12 11:40	03/13/12 19:59	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 37 TW-3 (10-14)**

**Lab Sample ID: NWC0345-03**

Date Collected: 03/01/12 11:45

Matrix: Ground Water

Date Received: 03/02/12 08:20

**Method: SW846 6010C - Total Metals by EPA 6010C (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	40.1	MHA	1.00	0.500	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Chromium	0.0741	M8	0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Cobalt	0.0947		0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Copper	0.0110	M8 B	0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Iron	61.1	MHA	0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Lead	0.0289		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Magnesium	11.6	M8	1.00	0.500	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Manganese	1.19	M8	0.0150	0.00750	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Nickel	0.0314		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Potassium	2.78	M8	1.00	0.500	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Selenium	<0.00500	M8	0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Silver	<0.00250	M8	0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Sodium	66.4	MHA	1.00	0.500	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Thallium	<0.00500	M8	0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Vanadium	0.140	M8	0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 19:59	1.00
Zinc	0.0942	M8	0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 19:59	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		03/07/12 12:20	03/07/12 15:18	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000358		0.000200	0.000100	mg/L		03/05/12 11:40	03/06/12 14:31	1.00

**Method: subcontract - Subcontracted Analysis**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	0.00				%		03/23/12 13:44	03/23/12 13:45	1.00

**Client Sample ID: Tract 62 SB-1 (0-2)**

**Lab Sample ID: NWC0345-04**

Date Collected: 03/01/12 14:50

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 78.8

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0265		0.0529	0.0265	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Benzene	<0.00116		0.00212	0.00116	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Bromochloromethane	<0.00127		0.00212	0.00127	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Bromodichloromethane	<0.00106		0.00212	0.00106	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Bromoform	<0.00106		0.00212	0.00106	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Bromomethane	<0.00127		0.00212	0.00127	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
2-Butanone	<0.0265		0.0529	0.0265	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Carbon disulfide	<0.00381		0.00529	0.00381	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Carbon Tetrachloride	<0.00106		0.00212	0.00106	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Chlorobenzene	<0.00116		0.00212	0.00116	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Chlorodibromomethane	<0.00106		0.00212	0.00106	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Chloroethane	<0.00265		0.00529	0.00265	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Chloroform	<0.00138		0.00212	0.00138	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Chloromethane	<0.00116		0.00212	0.00116	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
Cyclohexane	<0.00529		0.0106	0.00529	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
1,2-Dibromo-3-chloropropane	<0.00265		0.00529	0.00265	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00
1,2-Dibromoethane (EDB)	<0.00106		0.00212	0.00106	mg/kg dry	*	03/01/12 14:50	03/07/12 16:12	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 62 SB-1 (0-2)**

**Lab Sample ID: NWC0345-04**

**Date Collected: 03/01/12 14:50**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 78.8**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	<0.00529		0.0106	0.00529	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,2-Dichlorobenzene	<0.00106		0.00212	0.00106	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,3-Dichlorobenzene	<0.00127		0.00212	0.00127	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,4-Dichlorobenzene	<0.00116		0.00212	0.00116	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Dichlorodifluoromethane	<0.00148		0.00212	0.00148	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,2-Dichloroethane	<0.00116		0.00212	0.00116	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,1-Dichloroethane	<0.00138		0.00212	0.00138	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,1-Dichloroethene	<0.00127		0.00212	0.00127	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
trans-1,2-Dichloroethene	<0.00138		0.00212	0.00138	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,1,2-Trifluorotrchloroethane	<0.00116		0.00212	0.00116	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
cis-1,2-Dichloroethene	<0.00116		0.00212	0.00116	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,2-Dichloropropane	<0.00106		0.00212	0.00106	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
trans-1,3-Dichloropropene	<0.00106		0.00212	0.00106	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
cis-1,3-Dichloropropene	<0.00106	L	0.00212	0.00106	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Ethylbenzene	<0.00116		0.00212	0.00116	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
2-Hexanone	<0.0265		0.0529	0.0265	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Isopropylbenzene	<0.00116		0.00212	0.00116	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Methyl Acetate	<0.00529		0.0106	0.00529	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Methyl tert-Butyl Ether	<0.00106		0.00212	0.00106	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Methylene Chloride	<0.00529		0.0106	0.00529	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
4-Methyl-2-pentanone	<0.0265	L	0.0529	0.0265	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Styrene	<0.00116		0.00212	0.00116	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,1,2,2-Tetrachloroethane	<0.00106		0.00212	0.00106	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Tetrachloroethene	<0.00138		0.00212	0.00138	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Toluene	<0.00116		0.00212	0.00116	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,2,4-Trichlorobenzene	<0.00127		0.00212	0.00127	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,2,3-Trichlorobenzene	<0.00116		0.00212	0.00116	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,1,1-Trichloroethane	<0.00106		0.00212	0.00106	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
1,1,2-Trichloroethane	<0.00265		0.00529	0.00265	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Trichloroethene	<0.00106		0.00212	0.00106	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Trichlorofluoromethane	<0.00106		0.00212	0.00106	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Vinyl chloride	<0.00106		0.00212	0.00106	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00
Xylenes, total	<0.00265		0.00529	0.00265	mg/kg dry	☼	03/01/12 14:50	03/07/12 16:12	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		70 - 130	03/01/12 14:50	03/07/12 16:12	1.00
Dibromofluoromethane	106		70 - 130	03/01/12 14:50	03/07/12 16:12	1.00
Toluene-d8	109		70 - 130	03/01/12 14:50	03/07/12 16:12	1.00
4-Bromofluorobenzene	103		70 - 130	03/01/12 14:50	03/07/12 16:12	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Acenaphthylene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Anthracene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Benzo (a) anthracene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Benzo (a) pyrene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Benzo (b) fluoranthene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Benzo (g,h,i) perylene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Benzo (k) fluoranthene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
4-Bromophenyl phenyl ether	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 62 SB-1 (0-2)**

**Lab Sample ID: NWC0345-04**

**Date Collected: 03/01/12 14:50**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 78.8**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Butyl benzyl phthalate</b>	<b>0.234</b>	<b>J</b>	0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Carbazole	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
4-Chloro-3-methylphenol	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
4-Chloroaniline	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Bis(2-chloroethoxy)methane	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Bis(2-chloroethyl)ether	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Bis(2-chloroisopropyl)ether	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2-Chloronaphthalene	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2-Chlorophenol	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
4-Chlorophenyl phenyl ether	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Chrysene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Dibenz (a,h) anthracene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Dibenzofuran	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Di-n-butyl phthalate	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
1,4-Dichlorobenzene	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
1,2-Dichlorobenzene	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
1,3-Dichlorobenzene	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
3,3-Dichlorobenzidine	<0.209		0.837	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2,4-Dichlorophenol	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Diethyl phthalate	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2,4-Dimethylphenol	<0.241		0.418	0.241	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Dimethyl phthalate	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
4,6-Dinitro-2-methylphenol	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2,4-Dinitrophenol	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2,6-Dinitrotoluene	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2,4-Dinitrotoluene	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Di-n-octyl phthalate	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Bis(2-ethylhexyl)phthalate	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Fluoranthene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Fluorene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Hexachlorobenzene	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Hexachlorobutadiene	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Hexachlorocyclopentadiene	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Hexachloroethane	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Indeno (1,2,3-cd) pyrene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Isophorone	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2-Methylnaphthalene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2-Methylphenol	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
3/4-Methylphenol	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Naphthalene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
3-Nitroaniline	<0.209		1.04	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2-Nitroaniline	<0.209		1.04	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
4-Nitroaniline	<0.209		1.04	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Nitrobenzene	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
4-Nitrophenol	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2-Nitrophenol	<0.246		0.418	0.246	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
N-Nitrosodiphenylamine	<0.230		0.418	0.230	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
N-Nitrosodi-n-propylamine	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Pentachlorophenol	<0.209		1.04	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Phenanthrene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Phenol	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 62 SB-1 (0-2)**

**Lab Sample ID: NWC0345-04**

**Date Collected: 03/01/12 14:50**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 78.8**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	<0.0426		0.0840	0.0426	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
1,2,4-Trichlorobenzene	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2,4,6-Trichlorophenol	<0.209		0.418	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
2,4,5-Trichlorophenol	<0.209		1.04	0.209	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:01	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	79		18 - 120				03/05/12 05:30	03/05/12 23:01	1.00
2,4,6-Tribromophenol	59		19 - 120				03/05/12 05:30	03/05/12 23:01	1.00
Phenol-d5	66		18 - 120				03/05/12 05:30	03/05/12 23:01	1.00
2-Fluorobiphenyl	62		14 - 120				03/05/12 05:30	03/05/12 23:01	1.00
2-Fluorophenol	62		17 - 120				03/05/12 05:30	03/05/12 23:01	1.00
Nitrobenzene-d5	58		17 - 120				03/05/12 05:30	03/05/12 23:01	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5820		24.4	12.2	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Antimony	<6.10		12.2	6.10	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Arsenic	5.62		1.22	0.610	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Barium	39.3		2.44	1.22	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Beryllium	<0.610		1.22	0.610	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Cadmium	<0.610		1.22	0.610	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Calcium	1290		122	61.0	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Chromium	8.50		1.22	0.610	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Cobalt	<1.83		3.66	1.83	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Copper	16.2		2.44	1.22	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Iron	3600	B	12.2	6.10	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Lead	33.2		1.22	0.610	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Magnesium	287		122	61.0	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Manganese	130	B	3.66	1.83	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Nickel	3.44		2.44	1.22	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Potassium	157		122	61.0	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Selenium	<1.22		2.44	1.22	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Silver	<0.610		1.22	0.610	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Sodium	<122		244	122	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Thallium	<1.22		2.44	1.22	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Vanadium	7.72	J	12.2	6.10	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00
Zinc	26.0		12.2	6.10	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:10	1.00

**Method: SW846 7471B - Mercury by EPA Method 7471B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14		0.12	0.061	mg/kg dry	☼	03/05/12 14:30	03/06/12 11:08	1.0

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	78.8		0.500	0.500	%		03/05/12 11:46	03/06/12 09:34	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 62 SB-1 (8-12)**

**Lab Sample ID: NWC0345-05**

**Date Collected: 03/01/12 15:00**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 76.5**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0272		0.0545	0.0272	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Benzene	<0.00120		0.00218	0.00120	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Bromochloromethane	<0.00131		0.00218	0.00131	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Bromodichloromethane	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Bromoform	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Bromomethane	<0.00131		0.00218	0.00131	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
2-Butanone	<0.0272		0.0545	0.0272	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Carbon disulfide	<0.00392		0.00545	0.00392	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Carbon Tetrachloride	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Chlorobenzene	<0.00120		0.00218	0.00120	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Chlorodibromomethane	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Chloroethane	<0.00272		0.00545	0.00272	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Chloroform	<0.00142		0.00218	0.00142	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Chloromethane	<0.00120		0.00218	0.00120	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Cyclohexane	<0.00545		0.0109	0.00545	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,2-Dibromo-3-chloropropane	<0.00272		0.00545	0.00272	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,2-Dibromoethane (EDB)	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Methylcyclohexane	<0.00545		0.0109	0.00545	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,2-Dichlorobenzene	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,3-Dichlorobenzene	<0.00131		0.00218	0.00131	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,4-Dichlorobenzene	<0.00120		0.00218	0.00120	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Dichlorodifluoromethane	<0.00153		0.00218	0.00153	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,2-Dichloroethane	<0.00120		0.00218	0.00120	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,1-Dichloroethane	<0.00142		0.00218	0.00142	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,1-Dichloroethene	<0.00131		0.00218	0.00131	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
trans-1,2-Dichloroethene	<0.00142		0.00218	0.00142	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,1,2-Trifluorotrchloroethane	<0.00120		0.00218	0.00120	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
cis-1,2-Dichloroethene	<0.00120		0.00218	0.00120	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,2-Dichloropropane	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
trans-1,3-Dichloropropene	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
cis-1,3-Dichloropropene	<0.00109	L	0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Ethylbenzene	<0.00120		0.00218	0.00120	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
2-Hexanone	<0.0272		0.0545	0.0272	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Isopropylbenzene	<0.00120		0.00218	0.00120	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Methyl Acetate	<0.00545		0.0109	0.00545	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Methyl tert-Butyl Ether	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Methylene Chloride	<0.00545		0.0109	0.00545	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
4-Methyl-2-pentanone	<0.0272	L	0.0545	0.0272	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Styrene	<0.00120		0.00218	0.00120	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,1,2,2-Tetrachloroethane	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Tetrachloroethene	<0.00142		0.00218	0.00142	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Toluene	<0.00120		0.00218	0.00120	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,2,4-Trichlorobenzene	<0.00131		0.00218	0.00131	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,2,3-Trichlorobenzene	<0.00120		0.00218	0.00120	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,1,1-Trichloroethane	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
1,1,2-Trichloroethane	<0.00272		0.00545	0.00272	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Trichloroethene	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Trichlorofluoromethane	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Vinyl chloride	<0.00109		0.00218	0.00109	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00
Xylenes, total	<0.00272		0.00545	0.00272	mg/kg dry	☼	03/01/12 15:00	03/07/12 16:42	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 62 SB-1 (8-12)**

**Lab Sample ID: NWC0345-05**

**Date Collected: 03/01/12 15:00**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 76.5**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		70 - 130	03/01/12 15:00	03/07/12 16:42	1.00
Dibromofluoromethane	108		70 - 130	03/01/12 15:00	03/07/12 16:42	1.00
Toluene-d8	106		70 - 130	03/01/12 15:00	03/07/12 16:42	1.00
4-Bromofluorobenzene	95		70 - 130	03/01/12 15:00	03/07/12 16:42	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Acenaphthylene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Anthracene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Benzo (a) anthracene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Benzo (a) pyrene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Benzo (b) fluoranthene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Benzo (g,h,i) perylene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Benzo (k) fluoranthene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
4-Bromophenyl phenyl ether	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Butyl benzyl phthalate	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Carbazole	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
4-Chloro-3-methylphenol	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
4-Chloroaniline	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Bis(2-chloroethoxy)methane	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Bis(2-chloroethyl)ether	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Bis(2-chloroisopropyl)ether	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
2-Chloronaphthalene	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
2-Chlorophenol	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
4-Chlorophenyl phenyl ether	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Chrysene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Dibenz (a,h) anthracene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Dibenzofuran	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Di-n-butyl phthalate	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
1,4-Dichlorobenzene	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
1,2-Dichlorobenzene	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
1,3-Dichlorobenzene	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
3,3-Dichlorobenzidine	<0.216		0.861	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
2,4-Dichlorophenol	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Diethyl phthalate	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
2,4-Dimethylphenol	<0.248		0.430	0.248	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Dimethyl phthalate	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
4,6-Dinitro-2-methylphenol	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
2,4-Dinitrophenol	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
2,6-Dinitrotoluene	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
2,4-Dinitrotoluene	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Di-n-octyl phthalate	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Bis(2-ethylhexyl)phthalate	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Fluoranthene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Fluorene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Hexachlorobenzene	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Hexachlorobutadiene	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Hexachlorocyclopentadiene	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Hexachloroethane	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Indeno (1,2,3-cd) pyrene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Isophorone	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 62 SB-1 (8-12)**

**Lab Sample ID: NWC0345-05**

**Date Collected: 03/01/12 15:00**

**Matrix: Soil**

**Date Received: 03/02/12 08:20**

**Percent Solids: 76.5**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
2-Methylphenol	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
3/4-Methylphenol	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Naphthalene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
3-Nitroaniline	<0.216		1.08	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
2-Nitroaniline	<0.216		1.08	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
4-Nitroaniline	<0.216		1.08	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Nitrobenzene	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
4-Nitrophenol	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
2-Nitrophenol	<0.253		0.430	0.253	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
N-Nitrosodiphenylamine	<0.236		0.430	0.236	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
N-Nitrosodi-n-propylamine	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Pentachlorophenol	<0.216		1.08	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Phenanthrene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Phenol	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
Pyrene	<0.0439		0.0865	0.0439	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
1,2,4-Trichlorobenzene	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
2,4,6-Trichlorophenol	<0.216		0.430	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00
2,4,5-Trichlorophenol	<0.216		1.08	0.216	mg/kg dry	☼	03/05/12 05:30	03/05/12 23:21	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	74		18 - 120	03/05/12 05:30	03/05/12 23:21	1.00
2,4,6-Tribromophenol	59		19 - 120	03/05/12 05:30	03/05/12 23:21	1.00
Phenol-d5	64		18 - 120	03/05/12 05:30	03/05/12 23:21	1.00
2-Fluorobiphenyl	58		14 - 120	03/05/12 05:30	03/05/12 23:21	1.00
2-Fluorophenol	62		17 - 120	03/05/12 05:30	03/05/12 23:21	1.00
Nitrobenzene-d5	58		17 - 120	03/05/12 05:30	03/05/12 23:21	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>3430</b>		25.7	12.9	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
Antimony	<6.44		12.9	6.44	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Arsenic</b>	<b>9.47</b>		1.29	0.644	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Barium</b>	<b>13.6</b>		2.57	1.29	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Beryllium</b>	<b>1.80</b>		1.29	0.644	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
Cadmium	<0.644		1.29	0.644	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Calcium</b>	<b>775</b>		129	64.4	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Chromium</b>	<b>7.95</b>		1.29	0.644	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Cobalt</b>	<b>3.35</b>	J	3.86	1.93	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
Copper	<1.29		2.57	1.29	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Iron</b>	<b>11600</b>	B	12.9	6.44	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Lead</b>	<b>2.65</b>		1.29	0.644	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Magnesium</b>	<b>532</b>		129	64.4	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Manganese</b>	<b>32.9</b>	B	3.86	1.93	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Nickel</b>	<b>5.51</b>		2.57	1.29	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Potassium</b>	<b>292</b>		129	64.4	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
Selenium	<1.29		2.57	1.29	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
Silver	<0.644		1.29	0.644	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
Sodium	<129		257	129	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
Thallium	<1.29		2.57	1.29	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00
<b>Vanadium</b>	<b>11.7</b>	J	12.9	6.44	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Client Sample ID: Tract 62 SB-1 (8-12)

Lab Sample ID: NWC0345-05

Date Collected: 03/01/12 15:00

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 76.5

### Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	41.3		12.9	6.44	mg/kg dry	☼	03/07/12 10:11	03/13/12 21:13	1.00

### Method: SW846 7471B - Mercury by EPA Method 7471B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.063		0.13	0.063	mg/kg dry	☼	03/05/12 14:30	03/06/12 11:14	1.0

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	76.5		0.500	0.500	%		03/05/12 11:46	03/06/12 09:34	1.00

## Client Sample ID: Tract 62 TW-1 (8-12)

Lab Sample ID: NWC0345-06

Date Collected: 03/01/12 15:15

Matrix: Ground Water

Date Received: 03/02/12 08:20

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,1,2-Trifluoro-trichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Methyl Acetate	<5.00	L2	10.0	5.00	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00



# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 62 TW-1 (8-12)**

**Lab Sample ID: NWC0345-06**

**Date Collected: 03/01/12 15:15**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/08/12 04:58	03/08/12 11:24	1.00
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>1,2-Dichloroethane-d4</i>	90		70 - 130				03/08/12 04:58	03/08/12 11:24	1.00
<i>Dibromofluoromethane</i>	93		70 - 130				03/08/12 04:58	03/08/12 11:24	1.00
<i>Toluene-d8</i>	95		70 - 130				03/08/12 04:58	03/08/12 11:24	1.00
<i>4-Bromofluorobenzene</i>	105		70 - 130				03/08/12 04:58	03/08/12 11:24	1.00

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Acenaphthylene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Anthracene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Benzo (a) anthracene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Benzo (a) pyrene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Benzo (b) fluoranthene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Benzo (g,h,i) perylene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Benzo (k) fluoranthene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
4-Bromophenyl phenyl ether	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Butyl benzyl phthalate	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Carbazole	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
4-Chloro-3-methylphenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
4-Chloroaniline	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Bis(2-chloroethoxy)methane	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Bis(2-chloroethyl)ether	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Bis(2-chloroisopropyl)ether	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2-Chloronaphthalene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2-Chlorophenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
4-Chlorophenyl phenyl ether	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Chrysene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Dibenz (a,h) anthracene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Dibenzofuran	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Di-n-butyl phthalate	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
1,4-Dichlorobenzene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
1,2-Dichlorobenzene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
1,3-Dichlorobenzene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
3,3-Dichlorobenzidine	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2,4-Dichlorophenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 62 TW-1 (8-12)**

**Lab Sample ID: NWC0345-06**

**Date Collected: 03/01/12 15:15**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2,4-Dimethylphenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Dimethyl phthalate	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
4,6-Dinitro-2-methylphenol	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2,4-Dinitrophenol	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2,6-Dinitrotoluene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2,4-Dinitrotoluene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Di-n-octyl phthalate	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Bis(2-ethylhexyl)phthalate	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Fluoranthene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Fluorene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Hexachlorobenzene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Hexachlorobutadiene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Hexachlorocyclopentadiene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Hexachloroethane	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Indeno (1,2,3-cd) pyrene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Isophorone	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2-Methylnaphthalene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2-Methylphenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Naphthalene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
3/4-Methylphenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
3-Nitroaniline	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2-Nitroaniline	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
4-Nitroaniline	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Nitrobenzene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
4-Nitrophenol	<4.76		23.8	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2-Nitrophenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
N-Nitrosodiphenylamine	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
N-Nitrosodi-n-propylamine	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Pentachlorophenol	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Phenanthrene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Phenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
Pyrene	<0.952		1.90	0.952	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
1,2,4-Trichlorobenzene	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2,4,6-Trichlorophenol	<4.76		9.52	4.76	ug/L		03/03/12 11:00	03/03/12 22:22	1.00
2,4,5-Trichlorophenol	<12.4		23.8	12.4	ug/L		03/03/12 11:00	03/03/12 22:22	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	39		13 - 120	03/03/12 11:00	03/03/12 22:22	1.00
2,4,6-Tribromophenol	43		10 - 120	03/03/12 11:00	03/03/12 22:22	1.00
Phenol-d5	20		10 - 120	03/03/12 11:00	03/03/12 22:22	1.00
2-Fluorobiphenyl	48		29 - 120	03/03/12 11:00	03/03/12 22:22	1.00
2-Fluorophenol	34		10 - 120	03/03/12 11:00	03/03/12 22:22	1.00
Nitrobenzene-d5	50		27 - 120	03/03/12 11:00	03/03/12 22:22	1.00

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500	P7	0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
Antimony	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
Arsenic	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
<b>Barium</b>	<b>0.0381</b>	<b>P7</b>	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:33	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Tract 62 TW-1 (8-12)**

**Lab Sample ID: NWC0345-06**

**Date Collected: 03/01/12 15:15**

**Matrix: Ground Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 6010C - Dissolved Metals by Method 6010C - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00200	P7	0.00400	0.00200	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
<b>Cadmium</b>	<b>0.000700</b>	<b>J P7</b>	0.00100	0.000600	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
<b>Calcium</b>	<b>30.5</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
Chromium	<0.00250	P7	0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
Cobalt	<0.0100	P7	0.0200	0.0100	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
Copper	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
Iron	<0.0250	P7	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
Lead	<0.00250	P7	0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
<b>Magnesium</b>	<b>4.45</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
<b>Manganese</b>	<b>0.250</b>	<b>P7</b>	0.0150	0.00750	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
<b>Nickel</b>	<b>0.0110</b>	<b>P7</b>	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
<b>Potassium</b>	<b>4.10</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
Selenium	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
Silver	<0.00250	P7	0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
<b>Sodium</b>	<b>11.2</b>	<b>P7</b>	1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
Thallium	<0.00500	P7	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
Vanadium	<0.0100	P7	0.0200	0.0100	mg/L		03/11/12 11:52	03/12/12 16:33	1.00
<b>Zinc</b>	<b>0.243</b>	<b>P7</b>	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:33	1.00

**Method: SW846 6010C - Total Metals by EPA 6010C**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>4.89</b>		0.100	0.0500	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Arsenic</b>	<b>0.0100</b>		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Barium</b>	<b>0.0646</b>		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Cadmium</b>	<b>0.00100</b>		0.00100	0.000600	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Calcium</b>	<b>31.6</b>		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Chromium</b>	<b>0.0601</b>		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Cobalt</b>	<b>0.0161</b>	<b>J</b>	0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Iron</b>	<b>13.7</b>		0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Magnesium</b>	<b>5.50</b>		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Manganese</b>	<b>0.309</b>		0.0150	0.00750	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Nickel</b>	<b>0.0429</b>		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Potassium</b>	<b>4.50</b>		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Sodium</b>	<b>11.3</b>		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Vanadium</b>	<b>0.0276</b>		0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 20:08	1.00
<b>Zinc</b>	<b>0.311</b>		0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 20:08	1.00

**Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100	P7	0.000200	0.000100	mg/L		03/07/12 12:20	03/07/12 15:20	1.00

**Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/05/12 11:40	03/06/12 14:33	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Trip Blank**

**Lab Sample ID: NWC0345-07**

**Date Collected: 03/01/12 00:01**

**Matrix: Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,1,2-Trifluoro-trichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Methyl Acetate	<5.00	L2	10.0	5.00	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:23	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/04/12 14:44	03/04/12 19:23	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Client Sample ID: Trip Blank

Lab Sample ID: NWC0345-07

Date Collected: 03/01/12 00:01

Matrix: Water

Date Received: 03/02/12 08:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	92		70 - 130	03/04/12 14:44	03/04/12 19:23	1.00
Dibromofluoromethane	95		70 - 130	03/04/12 14:44	03/04/12 19:23	1.00
Toluene-d8	94		70 - 130	03/04/12 14:44	03/04/12 19:23	1.00
4-Bromofluorobenzene	98		70 - 130	03/04/12 14:44	03/04/12 19:23	1.00

## Client Sample ID: Trip Blank 2

Lab Sample ID: NWC0345-08

Date Collected: 03/01/12 00:01

Matrix: Water

Date Received: 03/02/12 08:20

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,1,2-Trifluoroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Methyl Acetate	<5.00	L2	10.0	5.00	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00

# Client Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

**Client Sample ID: Trip Blank 2**

**Lab Sample ID: NWC0345-08**

**Date Collected: 03/01/12 00:01**

**Matrix: Water**

**Date Received: 03/02/12 08:20**

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 19:51	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/04/12 14:44	03/04/12 19:51	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	91		70 - 130	03/04/12 14:44	03/04/12 19:51	1.00
Dibromofluoromethane	95		70 - 130	03/04/12 14:44	03/04/12 19:51	1.00
Toluene-d8	95		70 - 130	03/04/12 14:44	03/04/12 19:51	1.00
4-Bromofluorobenzene	98		70 - 130	03/04/12 14:44	03/04/12 19:51	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 12C0564-BLK1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0250		0.0500	0.0250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Bromochloromethane	<0.00120		0.00200	0.00120	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Bromodichloromethane	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Bromoform	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Bromomethane	<0.00120		0.00200	0.00120	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
2-Butanone	<0.0250		0.0500	0.0250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Carbon disulfide	<0.00360		0.00500	0.00360	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Carbon Tetrachloride	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Chlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Chlorodibromomethane	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Chloroethane	<0.00250		0.00500	0.00250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Chloroform	<0.00130		0.00200	0.00130	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Chloromethane	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Cyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2-Dibromo-3-chloropropane	<0.00250		0.00500	0.00250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Methylcyclohexane	<0.00500		0.0100	0.00500	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2-Dichlorobenzene	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,3-Dichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,4-Dichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Dichlorodifluoromethane	<0.00140		0.00200	0.00140	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2-Dichloroethane	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,1-Dichloroethane	<0.00130		0.00200	0.00130	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,1-Dichloroethene	<0.00120		0.00200	0.00120	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
trans-1,2-Dichloroethene	<0.00130		0.00200	0.00130	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,1,2-Trifluorotrchloroethane	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
cis-1,2-Dichloroethene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2-Dichloropropane	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
trans-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
cis-1,3-Dichloropropene	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
2-Hexanone	<0.0250		0.0500	0.0250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Isopropylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Methyl Acetate	<0.00500		0.0100	0.00500	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Methyl tert-Butyl Ether	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Methylene Chloride	<0.00500		0.0100	0.00500	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
4-Methyl-2-pentanone	<0.0250		0.0500	0.0250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Styrene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Tetrachloroethene	<0.00130		0.00200	0.00130	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2,4-Trichlorobenzene	<0.00120		0.00200	0.00120	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,2,3-Trichlorobenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,1,1-Trichloroethane	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
1,1,2-Trichloroethane	<0.00250		0.00500	0.00250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Trichloroethene	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00
Vinyl chloride	<0.00100		0.00200	0.00100	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0564-BLK1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		03/03/12 09:18	03/07/12 13:39	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		70 - 130	03/03/12 09:18	03/07/12 13:39	1.00
Dibromofluoromethane	105		70 - 130	03/03/12 09:18	03/07/12 13:39	1.00
Toluene-d8	108		70 - 130	03/03/12 09:18	03/07/12 13:39	1.00
4-Bromofluorobenzene	98		70 - 130	03/03/12 09:18	03/07/12 13:39	1.00

**Lab Sample ID: 12C0564-BS1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	281		ug/kg		112	51 - 149
Benzene	50.0	53.9		ug/kg		108	75 - 127
Bromochloromethane	50.0	54.8		ug/kg		110	70 - 132
Bromodichloromethane	50.0	54.4		ug/kg		109	68 - 135
Bromoform	50.0	53.2		ug/kg		106	36 - 150
Bromomethane	50.0	62.1		ug/kg		124	43 - 142
2-Butanone	250	302		ug/kg		121	61 - 132
Carbon disulfide	50.0	56.6		ug/kg		113	74 - 135
Carbon Tetrachloride	50.0	59.2		ug/kg		118	70 - 141
Chlorobenzene	50.0	53.6		ug/kg		107	84 - 125
Chlorodibromomethane	50.0	58.5		ug/kg		117	66 - 134
Chloroethane	50.0	49.2		ug/kg		98	53 - 144
Chloroform	50.0	54.2		ug/kg		108	76 - 130
Chloromethane	50.0	38.0		ug/kg		76	23 - 150
Cyclohexane	50.0	53.5		ug/kg		107	70 - 133
1,2-Dibromo-3-chloropropane	50.0	54.9		ug/kg		110	49 - 142
1,2-Dibromoethane (EDB)	50.0	57.3		ug/kg		115	80 - 135
Methylcyclohexane	50.0	53.2		ug/kg		106	69 - 140
1,2-Dichlorobenzene	50.0	55.5		ug/kg		111	80 - 134
1,3-Dichlorobenzene	50.0	54.4		ug/kg		109	79 - 137
1,4-Dichlorobenzene	50.0	55.1		ug/kg		110	77 - 139
Dichlorodifluoromethane	50.0	34.7		ug/kg		69	12 - 144
1,2-Dichloroethane	50.0	54.9		ug/kg		110	65 - 134
1,1-Dichloroethane	50.0	56.1		ug/kg		112	75 - 124
1,1,1-Dichloroethane	50.0	52.6		ug/kg		105	75 - 131
trans-1,2-Dichloroethene	50.0	56.6		ug/kg		113	76 - 128
1,1,2-Trifluoroethane	50.0	53.3		ug/kg		107	67 - 136
cis-1,2-Dichloroethene	50.0	56.3		ug/kg		113	75 - 125
1,2-Dichloropropane	50.0	52.3		ug/kg		105	69 - 120
trans-1,3-Dichloropropene	50.0	58.9		ug/kg		118	62 - 139
cis-1,3-Dichloropropene	50.0	78.4	L1	ug/kg		157	73 - 148
Ethylbenzene	50.0	54.3		ug/kg		109	80 - 134
2-Hexanone	250	314		ug/kg		126	57 - 148
Isopropylbenzene	50.0	58.4		ug/kg		117	80 - 150
Methyl Acetate	50.0	45.3		ug/kg		91	11 - 170
Methyl tert-Butyl Ether	50.0	55.0		ug/kg		110	70 - 136



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0564-BS1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Methylene Chloride	50.0	56.8		ug/kg		114	68 - 144	
4-Methyl-2-pentanone	250	360	L1	ug/kg		144	59 - 138	
Styrene	50.0	55.0		ug/kg		110	82 - 137	
1,1,2,2-Tetrachloroethane	50.0	58.7		ug/kg		117	66 - 134	
Tetrachloroethene	50.0	49.2		ug/kg		98	78 - 140	
Toluene	50.0	56.6		ug/kg		113	80 - 132	
1,2,4-Trichlorobenzene	50.0	50.8		ug/kg		102	62 - 150	
1,2,3-Trichlorobenzene	50.0	51.3		ug/kg		103	70 - 150	
1,1,1-Trichloroethane	50.0	56.2		ug/kg		112	72 - 140	
1,1,2-Trichloroethane	50.0	55.3		ug/kg		111	78 - 128	
Trichloroethene	50.0	53.1		ug/kg		106	77 - 127	
Trichlorofluoromethane	50.0	44.4		ug/kg		89	50 - 140	
Vinyl chloride	50.0	46.0		ug/kg		92	47 - 136	
Xylenes, total	150	160		ug/kg		106	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	116		70 - 130
Dibromofluoromethane	106		70 - 130
Toluene-d8	108		70 - 130
4-Bromofluorobenzene	99		70 - 130

**Lab Sample ID: 12C0564-MS1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits	
Acetone	<0.0277		0.319	0.337		mg/kg dry	☼	106	19 - 175	
Benzene	0.0156		0.0637	0.0624		mg/kg dry	☼	73	31 - 143	
Bromochloromethane	<0.00133		0.0637	0.0568		mg/kg dry	☼	89	31 - 141	
Bromodichloromethane	<0.00111		0.0637	0.0564		mg/kg dry	☼	89	19 - 148	
Bromoform	<0.00111		0.0637	0.0519		mg/kg dry	☼	81	10 - 165	
Bromomethane	<0.00133		0.0637	0.0596		mg/kg dry	☼	93	10 - 164	
2-Butanone	<0.0277		0.319	0.333		mg/kg dry	☼	104	18 - 153	
Carbon disulfide	<0.00399		0.0637	0.0532		mg/kg dry	☼	83	32 - 144	
Carbon Tetrachloride	<0.00111		0.0637	0.0611		mg/kg dry	☼	96	31 - 149	
Chlorobenzene	<0.00122		0.0637	0.0514		mg/kg dry	☼	81	25 - 152	
Chlorodibromomethane	<0.00111		0.0637	0.0596		mg/kg dry	☼	94	14 - 146	
Chloroethane	<0.00277		0.0637	0.0513		mg/kg dry	☼	80	10 - 151	
Chloroform	<0.00144		0.0637	0.0575		mg/kg dry	☼	90	34 - 160	
Chloromethane	<0.00122		0.0637	0.0447		mg/kg dry	☼	70	10 - 156	
Cyclohexane	0.00641		0.0637	0.0569		mg/kg dry	☼	79	32 - 158	
1,2-Dibromo-3-chloropropane	<0.00277		0.0637	0.0507		mg/kg dry	☼	80	10 - 147	
1,2-Dibromoethane (EDB)	<0.00111		0.0637	0.0556		mg/kg dry	☼	87	18 - 156	
Methylcyclohexane	0.00689		0.0637	0.0536		mg/kg dry	☼	73	29 - 167	
1,2-Dichlorobenzene	<0.00111		0.0637	0.0484		mg/kg dry	☼	76	10 - 160	
1,3-Dichlorobenzene	<0.00133		0.0637	0.0481		mg/kg dry	☼	75	10 - 162	
1,4-Dichlorobenzene	<0.00122		0.0637	0.0488		mg/kg dry	☼	77	11 - 159	
Dichlorodifluoromethane	<0.00155		0.0637	0.0370		mg/kg dry	☼	58	10 - 143	
1,2-Dichloroethane	<0.00122		0.0637	0.0590		mg/kg dry	☼	93	28 - 138	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0564-MS1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1-Dichloroethane	<0.00144		0.0637	0.0589		mg/kg dry	*	92	42 - 136
1,1-Dichloroethene	<0.00133		0.0637	0.0534		mg/kg dry	*	84	41 - 143
trans-1,2-Dichloroethene	<0.00144		0.0637	0.0577		mg/kg dry	*	91	39 - 140
1,1,2-Trifluorotrchloroethane	<0.00122		0.0637	0.0561		mg/kg dry	*	88	42 - 147
cis-1,2-Dichloroethene	<0.00122		0.0637	0.0576		mg/kg dry	*	90	36 - 139
1,2-Dichloropropane	<0.00111		0.0637	0.0551		mg/kg dry	*	86	20 - 146
trans-1,3-Dichloropropene	<0.00111		0.0637	0.0567		mg/kg dry	*	89	10 - 157
cis-1,3-Dichloropropene	<0.00111		0.0637	0.0706		mg/kg dry	*	111	15 - 166
Ethylbenzene	0.00163		0.0637	0.0541		mg/kg dry	*	82	23 - 161
2-Hexanone	<0.0277		0.319	0.337		mg/kg dry	*	106	10 - 169
Isopropylbenzene	<0.00122		0.0637	0.0561		mg/kg dry	*	88	23 - 181
Methyl Acetate	<0.00554		0.0637	0.0470		mg/kg dry	*	74	10 - 200
Methyl tert-Butyl Ether	<0.00111		0.0637	0.0579		mg/kg dry	*	91	28 - 141
Methylene Chloride	<0.00554		0.0637	0.0657		mg/kg dry	*	103	24 - 182
4-Methyl-2-pentanone	<0.0277		0.319	0.343		mg/kg dry	*	108	10 - 168
Styrene	<0.00122		0.0637	0.0294		mg/kg dry	*	46	10 - 165
1,1,2,2-Tetrachloroethane	<0.00111		0.0637	0.0657		mg/kg dry	*	103	10 - 162
Tetrachloroethene	<0.00144		0.0637	0.0490		mg/kg dry	*	77	33 - 161
Toluene	0.00628		0.0637	0.0607		mg/kg dry	*	85	30 - 155
1,2,4-Trichlorobenzene	<0.00133		0.0637	0.0297		mg/kg dry	*	47	10 - 167
1,2,3-Trichlorobenzene	<0.00122		0.0637	0.0277		mg/kg dry	*	43	10 - 157
1,1,1-Trichloroethane	<0.00111		0.0637	0.0592		mg/kg dry	*	93	35 - 149
1,1,2-Trichloroethane	<0.00277		0.0637	0.0582		mg/kg dry	*	91	19 - 157
Trichloroethene	<0.00111		0.0637	0.0539		mg/kg dry	*	84	27 - 153
Trichlorofluoromethane	<0.00111		0.0637	0.0467		mg/kg dry	*	73	25 - 137
Vinyl chloride	<0.00111		0.0637	0.0475		mg/kg dry	*	74	20 - 141
Xylenes, total	0.00308		0.191	0.158		mg/kg dry	*	81	25 - 162
		<b>Matrix Spike</b>	<b>Matrix Spike</b>						
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>					
1,2-Dichloroethane-d4		111		70 - 130					
Dibromofluoromethane		106		70 - 130					
Toluene-d8		112		70 - 130					
4-Bromofluorobenzene		106		70 - 130					

**Lab Sample ID: 12C0564-MSD1**

**Matrix: Soil**

**Analysis Batch: V003972**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0564\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	<0.0277		0.309	0.324		mg/kg dry	*	105	19 - 175	4	50
Benzene	0.0156		0.0618	0.0597		mg/kg dry	*	71	31 - 143	4	50
Bromochloromethane	<0.00133		0.0618	0.0498		mg/kg dry	*	81	31 - 141	13	50
Bromodichloromethane	<0.00111		0.0618	0.0497		mg/kg dry	*	80	19 - 148	13	50
Bromoform	<0.00111		0.0618	0.0437		mg/kg dry	*	71	10 - 165	17	50
Bromomethane	<0.00133		0.0618	0.0504		mg/kg dry	*	81	10 - 164	17	50
2-Butanone	<0.0277		0.309	0.296		mg/kg dry	*	96	18 - 153	12	50
Carbon disulfide	<0.00399		0.0618	0.0471		mg/kg dry	*	76	32 - 144	12	50
Carbon Tetrachloride	<0.00111		0.0618	0.0543		mg/kg dry	*	88	31 - 149	12	50
Chlorobenzene	<0.00122		0.0618	0.0435		mg/kg dry	*	70	25 - 152	17	50

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 12C0564-MSD1

Matrix: Soil

Analysis Batch: V003972

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 12C0564\_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Chlorodibromomethane	<0.00111		0.0618	0.0509		✱	82	14 - 146	16	50		
Chloroethane	<0.00277		0.0618	0.0446		✱	72	10 - 151	14	50		
Chloroform	<0.00144		0.0618	0.0499		✱	81	34 - 160	14	49		
Chloromethane	<0.00122		0.0618	0.0365		✱	59	10 - 156	20	50		
Cyclohexane	0.00641		0.0618	0.0507		✱	72	32 - 158	12	50		
1,2-Dibromo-3-chloropropane	<0.00277		0.0618	0.0430		✱	70	10 - 147	16	50		
1,2-Dibromoethane (EDB)	<0.00111		0.0618	0.0482		✱	78	18 - 156	14	50		
Methylcyclohexane	0.00689		0.0618	0.0484		✱	67	29 - 167	10	50		
1,2-Dichlorobenzene	<0.00111		0.0618	0.0403		✱	65	10 - 160	18	50		
1,3-Dichlorobenzene	<0.00133		0.0618	0.0422		✱	68	10 - 162	13	50		
1,4-Dichlorobenzene	<0.00122		0.0618	0.0424		✱	69	11 - 159	14	50		
Dichlorodifluoromethane	<0.00155		0.0618	0.0313		✱	51	10 - 143	17	50		
1,2-Dichloroethane	<0.00122		0.0618	0.0514		✱	83	28 - 138	14	50		
1,1-Dichloroethane	<0.00144		0.0618	0.0524		✱	85	42 - 136	12	50		
1,1-Dichloroethene	<0.00133		0.0618	0.0472		✱	76	41 - 143	12	50		
trans-1,2-Dichloroethene	<0.00144		0.0618	0.0470		✱	76	39 - 140	20	50		
1,1,2-Trifluoroethane	<0.00122		0.0618	0.0493		✱	80	42 - 147	13	50		
cis-1,2-Dichloroethene	<0.00122		0.0618	0.0510		✱	82	36 - 139	12	50		
1,2-Dichloropropane	<0.00111		0.0618	0.0488		✱	79	20 - 146	12	50		
trans-1,3-Dichloropropene	<0.00111		0.0618	0.0478		✱	77	10 - 157	17	50		
cis-1,3-Dichloropropene	<0.00111		0.0618	0.0591		✱	96	15 - 166	18	50		
Ethylbenzene	0.00163		0.0618	0.0451		✱	70	23 - 161	18	50		
2-Hexanone	<0.0277		0.309	0.296		✱	96	10 - 169	13	50		
Isopropylbenzene	<0.00122		0.0618	0.0485		✱	79	23 - 181	14	50		
Methyl Acetate	<0.00554		0.0618	0.0369		✱	60	10 - 200	24	50		
Methyl tert-Butyl Ether	<0.00111		0.0618	0.0511		✱	83	28 - 141	12	50		
Methylene Chloride	<0.00554		0.0618	0.0577		✱	93	24 - 182	13	50		
4-Methyl-2-pentanone	<0.0277		0.309	0.356		✱	115	10 - 168	4	50		
Styrene	<0.00122		0.0618	0.0252		✱	41	10 - 165	15	50		
1,1,1,2-Tetrachloroethane	<0.00111		0.0618	0.0573		✱	93	10 - 162	14	50		
Tetrachloroethene	<0.00144		0.0618	0.0427		✱	69	33 - 161	14	50		
Toluene	0.00628		0.0618	0.0524		✱	75	30 - 155	15	50		
1,2,4-Trichlorobenzene	<0.00133		0.0618	0.0250		✱	40	10 - 167	17	50		
1,2,3-Trichlorobenzene	<0.00122		0.0618	0.0230		✱	37	10 - 157	18	50		
1,1,1-Trichloroethane	<0.00111		0.0618	0.0512		✱	83	35 - 149	15	50		
1,1,2-Trichloroethane	<0.00277		0.0618	0.0496		✱	80	19 - 157	16	50		
Trichloroethene	<0.00111		0.0618	0.0456		✱	74	27 - 153	17	50		
Trichlorofluoromethane	<0.00111		0.0618	0.0412		✱	67	25 - 137	13	50		
Vinyl chloride	<0.00111		0.0618	0.0417		✱	68	20 - 141	13	50		
Xylenes, total	0.00308		0.185	0.134		✱	70	25 - 162	17	50		

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	110		70 - 130
Dibromofluoromethane	107		70 - 130
Toluene-d8	111		70 - 130
4-Bromofluorobenzene	109		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0963-BLK1**

**Matrix: Water**

**Analysis Batch: V003761**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0963\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,1,2-Trifluorotrchloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/04/12 14:44	03/04/12 17:05	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0963-BLK1**

**Matrix: Water**

**Analysis Batch: V003761**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0963\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	<1.50		3.00	1.50	ug/L		03/04/12 14:44	03/04/12 17:05	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	89		70 - 130	03/04/12 14:44	03/04/12 17:05	1.00
Dibromofluoromethane	94		70 - 130	03/04/12 14:44	03/04/12 17:05	1.00
Toluene-d8	96		70 - 130	03/04/12 14:44	03/04/12 17:05	1.00
4-Bromofluorobenzene	101		70 - 130	03/04/12 14:44	03/04/12 17:05	1.00

**Lab Sample ID: 12C0963-BS1**

**Matrix: Water**

**Analysis Batch: V003761**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0963\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	283		ug/L		113	54 - 145
Benzene	50.0	49.2		ug/L		98	80 - 121
Bromochloromethane	50.0	50.8		ug/L		102	78 - 129
Bromodichloromethane	50.0	45.0		ug/L		90	75 - 129
Bromoform	50.0	45.3		ug/L		91	46 - 145
Bromomethane	50.0	42.2		ug/L		84	41 - 150
2-Butanone	250	240		ug/L		96	62 - 133
Carbon disulfide	50.0	49.5		ug/L		99	77 - 126
Carbon Tetrachloride	50.0	48.0		ug/L		96	64 - 147
Chlorobenzene	50.0	50.2		ug/L		100	80 - 120
Chlorodibromomethane	50.0	45.8		ug/L		92	69 - 133
Chloroethane	50.0	46.9		ug/L		94	72 - 120
Chloroform	50.0	48.2		ug/L		96	73 - 129
Chloromethane	50.0	34.6		ug/L		69	12 - 150
Cyclohexane	50.0	50.3		ug/L		101	73 - 122
1,2-Dibromo-3-chloropropane	50.0	48.2		ug/L		96	54 - 125
1,2-Dibromoethane (EDB)	50.0	49.0		ug/L		98	80 - 129
Methylcyclohexane	50.0	55.7		ug/L		111	71 - 129
1,2-Dichlorobenzene	50.0	53.3		ug/L		107	80 - 121
1,3-Dichlorobenzene	50.0	52.6		ug/L		105	80 - 122
1,4-Dichlorobenzene	50.0	52.3		ug/L		105	80 - 120
Dichlorodifluoromethane	50.0	51.0		ug/L		102	37 - 127
1,2-Dichloroethane	50.0	44.2		ug/L		88	77 - 121
1,1-Dichloroethane	50.0	44.7		ug/L		89	78 - 125
1,1-Dichloroethene	50.0	53.4		ug/L		107	79 - 124
trans-1,2-Dichloroethene	50.0	46.7		ug/L		93	79 - 126
1,1,2-Trifluoro-trichloroethane	50.0	51.4		ug/L		103	77 - 129
cis-1,2-Dichloroethene	50.0	47.0		ug/L		94	76 - 125
1,2-Dichloropropane	50.0	44.6		ug/L		89	75 - 120
trans-1,3-Dichloropropene	50.0	45.1		ug/L		90	63 - 134
cis-1,3-Dichloropropene	50.0	49.4		ug/L		99	74 - 140
Ethylbenzene	50.0	53.4		ug/L		107	80 - 130
2-Hexanone	250	260		ug/L		104	60 - 142
Isopropylbenzene	50.0	59.8		ug/L		120	80 - 141
Methyl Acetate	50.0	25.7	L2	ug/L		51	64 - 150
Methyl tert-Butyl Ether	50.0	51.9		ug/L		104	72 - 133

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0963-BS1**

**Matrix: Water**

**Analysis Batch: V003761**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0963\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Methylene Chloride	50.0	48.3		ug/L		97	79 - 123	
4-Methyl-2-pentanone	250	248		ug/L		99	60 - 137	
Styrene	50.0	54.5		ug/L		109	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	49.9		ug/L		100	69 - 131	
Tetrachloroethene	50.0	53.9		ug/L		108	80 - 126	
Toluene	50.0	51.9		ug/L		104	80 - 126	
1,2,4-Trichlorobenzene	50.0	53.7		ug/L		107	63 - 133	
1,2,3-Trichlorobenzene	50.0	52.8		ug/L		106	62 - 133	
1,1,1-Trichloroethane	50.0	52.9		ug/L		106	78 - 135	
1,1,2-Trichloroethane	50.0	51.4		ug/L		103	80 - 124	
Trichloroethene	50.0	53.0		ug/L		106	80 - 123	
Trichlorofluoromethane	50.0	46.9		ug/L		94	65 - 124	
Vinyl chloride	50.0	49.8		ug/L		100	68 - 120	
Xylenes, total	150	158		ug/L		105	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	88		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	91		70 - 130

**Lab Sample ID: 12C0963-BSD1**

**Matrix: Water**

**Analysis Batch: V003761**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0963\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
										Limit
Acetone	250	279		ug/L		112	54 - 145	1	21	
Benzene	50.0	48.2		ug/L		96	80 - 121	2	17	
Bromochloromethane	50.0	50.0		ug/L		100	78 - 129	1	17	
Bromodichloromethane	50.0	44.2		ug/L		88	75 - 129	2	18	
Bromoform	50.0	44.0		ug/L		88	46 - 145	3	16	
Bromomethane	50.0	41.9		ug/L		84	41 - 150	0.7	50	
2-Butanone	250	238		ug/L		95	62 - 133	0.8	19	
Carbon disulfide	50.0	48.4		ug/L		97	77 - 126	2	21	
Carbon Tetrachloride	50.0	47.0		ug/L		94	64 - 147	2	19	
Chlorobenzene	50.0	49.2		ug/L		98	80 - 120	2	14	
Chlorodibromomethane	50.0	45.5		ug/L		91	69 - 133	0.7	15	
Chloroethane	50.0	46.2		ug/L		92	72 - 120	1	20	
Chloroform	50.0	47.5		ug/L		95	73 - 129	2	18	
Chloromethane	50.0	33.9		ug/L		68	12 - 150	2	31	
Cyclohexane	50.0	49.7		ug/L		99	73 - 122	1	16	
1,2-Dibromo-3-chloropropane	50.0	47.8		ug/L		96	54 - 125	0.9	24	
1,2-Dibromoethane (EDB)	50.0	49.0		ug/L		98	80 - 129	0.04	15	
Methylcyclohexane	50.0	55.0		ug/L		110	71 - 129	1	19	
1,2-Dichlorobenzene	50.0	52.4		ug/L		105	80 - 121	2	15	
1,3-Dichlorobenzene	50.0	51.8		ug/L		104	80 - 122	2	15	
1,4-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 120	2	15	
Dichlorodifluoromethane	50.0	49.8		ug/L		100	37 - 127	2	18	
1,2-Dichloroethane	50.0	43.7		ug/L		87	77 - 121	1	17	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0963-BSD1**

**Matrix: Water**

**Analysis Batch: V003761**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0963\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethane	50.0	44.0		ug/L		88	78 - 125	2	17
1,1-Dichloroethene	50.0	53.0		ug/L		106	79 - 124	0.7	17
trans-1,2-Dichloroethene	50.0	45.9		ug/L		92	79 - 126	2	16
1,1,2-Trifluorotrchloroethane	50.0	51.0		ug/L		102	77 - 129	0.7	18
cis-1,2-Dichloroethene	50.0	46.3		ug/L		93	76 - 125	2	17
1,2-Dichloropropane	50.0	43.8		ug/L		88	75 - 120	2	17
trans-1,3-Dichloropropene	50.0	44.7		ug/L		89	63 - 134	0.9	14
cis-1,3-Dichloropropene	50.0	48.7		ug/L		97	74 - 140	1	15
Ethylbenzene	50.0	52.6		ug/L		105	80 - 130	1	15
2-Hexanone	250	257		ug/L		103	60 - 142	1	15
Isopropylbenzene	50.0	58.9		ug/L		118	80 - 141	2	16
Methyl Acetate	50.0	26.0	L2	ug/L		52	64 - 150	1	31
Methyl tert-Butyl Ether	50.0	52.3		ug/L		105	72 - 133	0.7	16
Methylene Chloride	50.0	48.2		ug/L		96	79 - 123	0.3	17
4-Methyl-2-pentanone	250	249		ug/L		100	60 - 137	0.6	17
Styrene	50.0	53.3		ug/L		107	80 - 127	2	24
1,1,2,2-Tetrachloroethane	50.0	49.9		ug/L		100	69 - 131	0.02	20
Tetrachloroethene	50.0	53.2		ug/L		106	80 - 126	1	16
Toluene	50.0	51.0		ug/L		102	80 - 126	2	15
1,2,4-Trichlorobenzene	50.0	53.2		ug/L		106	63 - 133	0.8	19
1,2,3-Trichlorobenzene	50.0	52.6		ug/L		105	62 - 133	0.4	25
1,1,1-Trichloroethane	50.0	51.0		ug/L		102	78 - 135	4	17
1,1,2-Trichloroethane	50.0	51.8		ug/L		104	80 - 124	0.6	15
Trichloroethene	50.0	52.1		ug/L		104	80 - 123	2	17
Trichlorofluoromethane	50.0	45.8		ug/L		92	65 - 124	2	18
Vinyl chloride	50.0	48.8		ug/L		98	68 - 120	2	17
Xylenes, total	150	155		ug/L		103	80 - 132	2	15

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
1,2-Dichloroethane-d4	87		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	93		70 - 130

**Lab Sample ID: 12C0963-MS1**

**Matrix: Water**

**Analysis Batch: V003761**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0963\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Acetone	<250		2500	2200		ug/L		88	45 - 141
Benzene	<5.00		500	488		ug/L		98	75 - 133
Bromochloromethane	<5.00		500	485		ug/L		97	67 - 139
Bromodichloromethane	<5.00		500	440		ug/L		88	70 - 140
Bromoform	<5.00		500	415		ug/L		83	42 - 147
Bromomethane	<5.00		500	447		ug/L		89	16 - 163
2-Butanone	<250		2500	2200		ug/L		88	50 - 138
Carbon disulfide	<5.00		500	488		ug/L		98	48 - 152
Carbon Tetrachloride	<5.00		500	476		ug/L		95	62 - 164
Chlorobenzene	<5.00		500	500		ug/L		100	80 - 129

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0963-MS1**

**Matrix: Water**

**Analysis Batch: V003761**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0963\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlorodibromomethane	<5.00		500	439		ug/L		88	66 - 140
Chloroethane	<5.00		500	465		ug/L		93	58 - 137
Chloroform	<5.00		500	472		ug/L		94	66 - 138
Chloromethane	<5.00		500	351		ug/L		70	10 - 169
Cyclohexane	<25.0		500	506		ug/L		101	58 - 144
1,2-Dibromo-3-chloropropane	<50.0		500	446		ug/L		89	52 - 126
1,2-Dibromoethane (EDB)	<5.00		500	478		ug/L		96	75 - 137
Methylcyclohexane	<25.0		500	561		ug/L		112	59 - 151
1,2-Dichlorobenzene	<5.00		500	531		ug/L		106	79 - 128
1,3-Dichlorobenzene	<5.00		500	527		ug/L		105	77 - 131
1,4-Dichlorobenzene	<5.00		500	522		ug/L		104	78 - 126
Dichlorodifluoromethane	<6.00		500	458		ug/L		92	40 - 127
1,2-Dichloroethane	<5.00		500	430		ug/L		86	64 - 136
1,1-Dichloroethane	<5.00		500	447		ug/L		89	71 - 139
1,1-Dichloroethene	<5.00		500	535		ug/L		107	70 - 142
trans-1,2-Dichloroethene	<5.00		500	463		ug/L		93	66 - 143
1,1,2-Trifluorotrchloroethane	<5.00		500	512		ug/L		102	72 - 148
cis-1,2-Dichloroethene	<5.00		500	468		ug/L		94	68 - 138
1,2-Dichloropropane	<5.00		500	436		ug/L		87	67 - 131
trans-1,3-Dichloropropene	<5.00		500	434		ug/L		87	59 - 135
cis-1,3-Dichloropropene	<5.00		500	481		ug/L		96	71 - 141
Ethylbenzene	<5.00		500	531		ug/L		106	79 - 139
2-Hexanone	<50.0		2500	2430		ug/L		97	50 - 150
Isopropylbenzene	<5.00		500	599		ug/L		120	80 - 153
Methyl Acetate	<50.0		500	251		ug/L		50	30 - 165
Methyl tert-Butyl Ether	<5.00		500	493		ug/L		99	66 - 141
Methylene Chloride	<25.0		500	482		ug/L		96	64 - 139
4-Methyl-2-pentanone	<50.0		2500	2410		ug/L		97	50 - 147
Styrene	<5.00		500	536		ug/L		107	61 - 148
1,1,2,2-Tetrachloroethane	<5.00		500	499		ug/L		100	56 - 143
Tetrachloroethene	7.60		500	536		ug/L		106	72 - 145
Toluene	<5.00		500	517		ug/L		103	75 - 136
1,2,4-Trichlorobenzene	<5.00		500	540		ug/L		108	60 - 136
1,2,3-Trichlorobenzene	<5.00		500	542		ug/L		108	55 - 138
1,1,1-Trichloroethane	<5.00		500	519		ug/L		104	76 - 149
1,1,2-Trichloroethane	<5.00		500	504		ug/L		101	74 - 134
Trichloroethene	376		500	873		ug/L		99	73 - 144
Trichlorofluoromethane	<5.00		500	461		ug/L		92	58 - 139
Vinyl chloride	<5.00		500	486		ug/L		97	56 - 129
Xylenes, total	<15.0		1500	1570		ug/L		104	74 - 141

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	89		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	96		70 - 130



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0963-MSD1**

**Matrix: Water**

**Analysis Batch: V003761**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0963\_P**

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Prep Batch: 12C0963_P		
	Result								%Rec.	RPD	Limit
Acetone	<250		2500	2210		ug/L		88	45 - 141	0.7	21
Benzene	<5.00		500	508		ug/L		102	75 - 133	4	17
Bromochloromethane	<5.00		500	507		ug/L		101	67 - 139	5	17
Bromodichloromethane	<5.00		500	459		ug/L		92	70 - 140	4	18
Bromoform	<5.00		500	436		ug/L		87	42 - 147	5	16
Bromomethane	<5.00		500	453		ug/L		91	16 - 163	1	50
2-Butanone	<250		2500	2270		ug/L		91	50 - 138	3	19
Carbon disulfide	<5.00		500	514		ug/L		103	48 - 152	5	21
Carbon Tetrachloride	<5.00		500	498		ug/L		100	62 - 164	5	19
Chlorobenzene	<5.00		500	521		ug/L		104	80 - 129	4	14
Chlorodibromomethane	<5.00		500	458		ug/L		92	66 - 140	4	15
Chloroethane	<5.00		500	486		ug/L		97	58 - 137	5	20
Chloroform	<5.00		500	493		ug/L		99	66 - 138	4	18
Chloromethane	<5.00		500	350		ug/L		70	10 - 169	0.3	31
Cyclohexane	<25.0		500	537		ug/L		107	58 - 144	6	16
1,2-Dibromo-3-chloropropane	<50.0		500	461		ug/L		92	52 - 126	3	24
1,2-Dibromoethane (EDB)	<5.00		500	501		ug/L		100	75 - 137	5	15
Methylcyclohexane	<25.0		500	600		ug/L		120	59 - 151	7	19
1,2-Dichlorobenzene	<5.00		500	547		ug/L		109	79 - 128	3	15
1,3-Dichlorobenzene	<5.00		500	545		ug/L		109	77 - 131	3	15
1,4-Dichlorobenzene	<5.00		500	543		ug/L		109	78 - 126	4	15
Dichlorodifluoromethane	<6.00		500	487		ug/L		97	40 - 127	6	18
1,2-Dichloroethane	<5.00		500	449		ug/L		90	64 - 136	4	17
1,1-Dichloroethane	<5.00		500	463		ug/L		93	71 - 139	4	17
1,1-Dichloroethene	<5.00		500	566		ug/L		113	70 - 142	6	17
trans-1,2-Dichloroethene	<5.00		500	487		ug/L		97	66 - 143	5	16
1,1,2-Trifluorotrchloroethane	<5.00		500	542		ug/L		108	72 - 148	6	18
cis-1,2-Dichloroethene	<5.00		500	486		ug/L		97	68 - 138	4	17
1,2-Dichloropropane	<5.00		500	461		ug/L		92	67 - 131	5	17
trans-1,3-Dichloropropene	<5.00		500	455		ug/L		91	59 - 135	5	14
cis-1,3-Dichloropropene	<5.00		500	498		ug/L		100	71 - 141	3	15
Ethylbenzene	<5.00		500	558		ug/L		112	79 - 139	5	15
2-Hexanone	<50.0		2500	2540		ug/L		101	50 - 150	4	15
Isopropylbenzene	<5.00		500	624		ug/L		125	80 - 153	4	16
Methyl Acetate	<50.0		500	259		ug/L		52	30 - 165	3	31
Methyl tert-Butyl Ether	<5.00		500	516		ug/L		103	66 - 141	5	16
Methylene Chloride	<25.0		500	500		ug/L		100	64 - 139	4	17
4-Methyl-2-pentanone	<50.0		2500	2520		ug/L		101	50 - 147	4	17
Styrene	<5.00		500	557		ug/L		111	61 - 148	4	24
1,1,2,2-Tetrachloroethane	<5.00		500	526		ug/L		105	56 - 143	5	20
Tetrachloroethene	7.60		500	567		ug/L		112	72 - 145	6	16
Toluene	<5.00		500	540		ug/L		108	75 - 136	4	15
1,2,4-Trichlorobenzene	<5.00		500	544		ug/L		109	60 - 136	0.8	19
1,2,3-Trichlorobenzene	<5.00		500	540		ug/L		108	55 - 138	0.3	25
1,1,1-Trichloroethane	<5.00		500	545		ug/L		109	76 - 149	5	17
1,1,2-Trichloroethane	<5.00		500	530		ug/L		106	74 - 134	5	15
Trichloroethene	376		500	897		ug/L		104	73 - 144	3	17
Trichlorofluoromethane	<5.00		500	488		ug/L		98	58 - 139	6	18
Vinyl chloride	<5.00		500	513		ug/L		103	56 - 129	5	17

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C0963-MSD1**

**Matrix: Water**

**Analysis Batch: V003761**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0963\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Xylenes, total	<15.0		1500	1630		ug/L		109	74 - 141	4	15
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1,2-Dichloroethane-d4	89		70 - 130								
Dibromofluoromethane	98		70 - 130								
Toluene-d8	97		70 - 130								
4-Bromofluorobenzene	96		70 - 130								

**Lab Sample ID: 12C1180-BLK1**

**Matrix: Water**

**Analysis Batch: V004010**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C1180\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25.0		50.0	25.0	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Benzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Bromochloromethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Bromodichloromethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Bromoform	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Bromomethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
2-Butanone	<25.0		50.0	25.0	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Carbon disulfide	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Carbon Tetrachloride	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Chlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Chlorodibromomethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Chloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Chloroform	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Chloromethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Cyclohexane	<2.50		5.00	2.50	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,2-Dibromo-3-chloropropane	<5.00		10.0	5.00	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,2-Dibromoethane (EDB)	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Methylcyclohexane	<2.50		5.00	2.50	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,2-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,3-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,4-Dichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Dichlorodifluoromethane	<0.600		1.00	0.600	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,2-Dichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,1-Dichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,1-Dichloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
trans-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,1,2-Trifluoroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
cis-1,2-Dichloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,2-Dichloropropane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
trans-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
cis-1,3-Dichloropropene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Ethylbenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
2-Hexanone	<5.00		10.0	5.00	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Isopropylbenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Methyl Acetate	<5.00		10.0	5.00	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Methyl tert-Butyl Ether	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1180-BLK1**

**Matrix: Water**

**Analysis Batch: V004010**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C1180\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<2.50		5.00	2.50	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
4-Methyl-2-pentanone	<5.00		10.0	5.00	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Styrene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,1,2,2-Tetrachloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Tetrachloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Toluene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,2,4-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,2,3-Trichlorobenzene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,1,1-Trichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
1,1,2-Trichloroethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Trichloroethene	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Trichlorofluoromethane	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Vinyl chloride	<0.500		1.00	0.500	ug/L		03/08/12 04:58	03/08/12 07:16	1.00
Xylenes, total	<1.50		3.00	1.50	ug/L		03/08/12 04:58	03/08/12 07:16	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	89		70 - 130	03/08/12 04:58	03/08/12 07:16	1.00
Dibromofluoromethane	95		70 - 130	03/08/12 04:58	03/08/12 07:16	1.00
Toluene-d8	96		70 - 130	03/08/12 04:58	03/08/12 07:16	1.00
4-Bromofluorobenzene	104		70 - 130	03/08/12 04:58	03/08/12 07:16	1.00

**Lab Sample ID: 12C1180-BS1**

**Matrix: Water**

**Analysis Batch: V004010**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C1180\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	220		ug/L		88	54 - 145
Benzene	50.0	46.0		ug/L		92	80 - 121
Bromochloromethane	50.0	48.6		ug/L		97	78 - 129
Bromodichloromethane	50.0	42.8		ug/L		86	75 - 129
Bromoform	50.0	41.7		ug/L		83	46 - 145
Bromomethane	50.0	40.0		ug/L		80	41 - 150
2-Butanone	250	221		ug/L		88	62 - 133
Carbon disulfide	50.0	44.9		ug/L		90	77 - 126
Carbon Tetrachloride	50.0	43.9		ug/L		88	64 - 147
Chlorobenzene	50.0	46.8		ug/L		94	80 - 120
Chlorodibromomethane	50.0	43.7		ug/L		87	69 - 133
Chloroethane	50.0	45.7		ug/L		91	72 - 120
Chloroform	50.0	45.2		ug/L		90	73 - 129
Chloromethane	50.0	33.8		ug/L		68	12 - 150
Cyclohexane	50.0	45.6		ug/L		91	73 - 122
1,2-Dibromo-3-chloropropane	50.0	42.9		ug/L		86	54 - 125
1,2-Dibromoethane (EDB)	50.0	47.1		ug/L		94	80 - 129
Methylcyclohexane	50.0	49.9		ug/L		100	71 - 129
1,2-Dichlorobenzene	50.0	50.2		ug/L		100	80 - 121
1,3-Dichlorobenzene	50.0	49.6		ug/L		99	80 - 122
1,4-Dichlorobenzene	50.0	49.2		ug/L		98	80 - 120
Dichlorodifluoromethane	50.0	53.1		ug/L		106	37 - 127
1,2-Dichloroethane	50.0	42.8		ug/L		86	77 - 121

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1180-BS1**

**Matrix: Water**

**Analysis Batch: V004010**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C1180\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
1,1-Dichloroethane	50.0	41.7		ug/L		83	78 - 125	
1,1-Dichloroethene	50.0	49.3		ug/L		99	79 - 124	
trans-1,2-Dichloroethene	50.0	43.3		ug/L		87	79 - 126	
1,1,2-Trifluorotrchloroethane	50.0	46.3		ug/L		93	77 - 129	
cis-1,2-Dichloroethene	50.0	42.9		ug/L		86	76 - 125	
1,2-Dichloropropane	50.0	41.8		ug/L		84	75 - 120	
trans-1,3-Dichloropropene	50.0	40.9		ug/L		82	63 - 134	
cis-1,3-Dichloropropene	50.0	44.3		ug/L		89	74 - 140	
Ethylbenzene	50.0	49.5		ug/L		99	80 - 130	
2-Hexanone	250	238		ug/L		95	60 - 142	
Isopropylbenzene	50.0	55.3		ug/L		111	80 - 141	
Methyl Acetate	50.0	25.0	L2	ug/L		50	64 - 150	
Methyl tert-Butyl Ether	50.0	48.1		ug/L		96	72 - 133	
Methylene Chloride	50.0	47.4		ug/L		95	79 - 123	
4-Methyl-2-pentanone	250	236		ug/L		94	60 - 137	
Styrene	50.0	51.0		ug/L		102	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	47.9		ug/L		96	69 - 131	
Tetrachloroethene	50.0	49.0		ug/L		98	80 - 126	
Toluene	50.0	48.3		ug/L		97	80 - 126	
1,2,4-Trichlorobenzene	50.0	48.1		ug/L		96	63 - 133	
1,2,3-Trichlorobenzene	50.0	49.9		ug/L		100	62 - 133	
1,1,1-Trichloroethane	50.0	48.4		ug/L		97	78 - 135	
1,1,2-Trichloroethane	50.0	50.0		ug/L		100	80 - 124	
Trichloroethene	50.0	49.3		ug/L		99	80 - 123	
Trichlorofluoromethane	50.0	45.7		ug/L		91	65 - 124	
Vinyl chloride	50.0	49.2		ug/L		98	68 - 120	
Xylenes, total	150	147		ug/L		98	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	88		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	96		70 - 130
4-Bromofluorobenzene	92		70 - 130

**Lab Sample ID: 12C1180-BSD1**

**Matrix: Water**

**Analysis Batch: V004010**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C1180\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. RPD		Limit
							Limits	RPD	
Acetone	250	226		ug/L		90	54 - 145	3	21
Benzene	50.0	45.8		ug/L		92	80 - 121	0.4	17
Bromochloromethane	50.0	47.7		ug/L		95	78 - 129	2	17
Bromodichloromethane	50.0	42.8		ug/L		86	75 - 129	0.05	18
Bromoform	50.0	42.3		ug/L		85	46 - 145	2	16
Bromomethane	50.0	40.6		ug/L		81	41 - 150	1	50
2-Butanone	250	225		ug/L		90	62 - 133	2	19
Carbon disulfide	50.0	44.6		ug/L		89	77 - 126	0.6	21
Carbon Tetrachloride	50.0	43.6		ug/L		87	64 - 147	0.6	19
Chlorobenzene	50.0	47.0		ug/L		94	80 - 120	0.5	14

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1180-BSD1**

**Matrix: Water**

**Analysis Batch: V004010**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C1180\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane	50.0	43.7		ug/L		87	69 - 133	0.02	15
Chloroethane	50.0	45.4		ug/L		91	72 - 120	0.6	20
Chloroform	50.0	45.2		ug/L		90	73 - 129	0.02	18
Chloromethane	50.0	34.6		ug/L		69	12 - 150	2	31
Cyclohexane	50.0	45.5		ug/L		91	73 - 122	0.2	16
1,2-Dibromo-3-chloropropane	50.0	44.8		ug/L		90	54 - 125	4	24
1,2-Dibromoethane (EDB)	50.0	47.8		ug/L		96	80 - 129	2	15
Methylcyclohexane	50.0	50.1		ug/L		100	71 - 129	0.2	19
1,2-Dichlorobenzene	50.0	50.2		ug/L		100	80 - 121	0.06	15
1,3-Dichlorobenzene	50.0	48.8		ug/L		98	80 - 122	2	15
1,4-Dichlorobenzene	50.0	49.1		ug/L		98	80 - 120	0.3	15
Dichlorodifluoromethane	50.0	53.1		ug/L		106	37 - 127	0.06	18
1,2-Dichloroethane	50.0	42.7		ug/L		85	77 - 121	0.2	17
1,1-Dichloroethane	50.0	41.1		ug/L		82	78 - 125	1	17
1,1-Dichloroethene	50.0	49.2		ug/L		98	79 - 124	0.1	17
trans-1,2-Dichloroethene	50.0	42.8		ug/L		86	79 - 126	1	16
1,1,2-Trifluorotrchloroethane	50.0	46.1		ug/L		92	77 - 129	0.5	18
cis-1,2-Dichloroethene	50.0	42.9		ug/L		86	76 - 125	0.05	17
1,2-Dichloropropane	50.0	41.6		ug/L		83	75 - 120	0.3	17
trans-1,3-Dichloropropene	50.0	41.2		ug/L		82	63 - 134	0.7	14
cis-1,3-Dichloropropene	50.0	44.8		ug/L		90	74 - 140	1	15
Ethylbenzene	50.0	49.5		ug/L		99	80 - 130	0.02	15
2-Hexanone	250	245		ug/L		98	60 - 142	3	15
Isopropylbenzene	50.0	55.8		ug/L		112	80 - 141	0.9	16
Methyl Acetate	50.0	25.0	L2	ug/L		50	64 - 150	0.08	31
Methyl tert-Butyl Ether	50.0	49.5		ug/L		99	72 - 133	3	16
Methylene Chloride	50.0	47.3		ug/L		95	79 - 123	0.3	17
4-Methyl-2-pentanone	250	242		ug/L		97	60 - 137	3	17
Styrene	50.0	51.4		ug/L		103	80 - 127	0.8	24
1,1,1,2-Tetrachloroethane	50.0	48.1		ug/L		96	69 - 131	0.4	20
Tetrachloroethene	50.0	49.3		ug/L		99	80 - 126	0.7	16
Toluene	50.0	48.8		ug/L		98	80 - 126	1	15
1,2,4-Trichlorobenzene	50.0	49.4		ug/L		99	63 - 133	3	19
1,2,3-Trichlorobenzene	50.0	50.2		ug/L		100	62 - 133	0.7	25
1,1,1-Trichloroethane	50.0	47.9		ug/L		96	78 - 135	1	17
1,1,2-Trichloroethane	50.0	50.4		ug/L		101	80 - 124	1	15
Trichloroethene	50.0	48.8		ug/L		98	80 - 123	1	17
Trichlorofluoromethane	50.0	46.0		ug/L		92	65 - 124	0.6	18
Vinyl chloride	50.0	49.1		ug/L		98	68 - 120	0.2	17
Xylenes, total	150	148		ug/L		98	80 - 132	0.8	15

Surrogate	LCS Dup		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	88		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	91		70 - 130

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1180-MS1**

**Matrix: Water**

**Analysis Batch: V004010**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C1180\_P**

Analyte	Sample	Sample Qualifier	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result		Added	Result	Qualifier				
Acetone	<250		2500	2240		ug/L		90	45 - 141
Benzene	42.3		500	512		ug/L		94	75 - 133
Bromochloromethane	<5.00		500	493		ug/L		99	67 - 139
Bromodichloromethane	<5.00		500	444		ug/L		89	70 - 140
Bromoform	<5.00		500	422		ug/L		84	42 - 147
Bromomethane	<5.00		500	287		ug/L		57	16 - 163
2-Butanone	<250		2500	2290		ug/L		92	50 - 138
Carbon disulfide	<5.00		500	389		ug/L		78	48 - 152
Carbon Tetrachloride	<5.00		500	455		ug/L		91	62 - 164
Chlorobenzene	<5.00		500	495		ug/L		99	80 - 129
Chlorodibromomethane	<5.00		500	449		ug/L		90	66 - 140
Chloroethane	<5.00		500	430		ug/L		86	58 - 137
Chloroform	<5.00		500	475		ug/L		95	66 - 138
Chloromethane	<5.00		500	241		ug/L		48	10 - 169
Cyclohexane	<25.0		500	454		ug/L		91	58 - 144
1,2-Dibromo-3-chloropropane	<50.0		500	483		ug/L		97	52 - 126
1,2-Dibromoethane (EDB)	<5.00		500	491		ug/L		98	75 - 137
Methylcyclohexane	<25.0		500	507		ug/L		101	59 - 151
1,2-Dichlorobenzene	<5.00		500	537		ug/L		107	79 - 128
1,3-Dichlorobenzene	<5.00		500	523		ug/L		105	77 - 131
1,4-Dichlorobenzene	<5.00		500	517		ug/L		103	78 - 126
Dichlorodifluoromethane	<6.00		500	479		ug/L		96	40 - 127
1,2-Dichloroethane	<5.00		500	437		ug/L		87	64 - 136
1,1-Dichloroethane	<5.00		500	433		ug/L		87	71 - 139
1,1-Dichloroethene	<5.00		500	498		ug/L		100	70 - 142
trans-1,2-Dichloroethene	<5.00		500	428		ug/L		86	66 - 143
1,1,2-Trifluorotrchloroethane	<5.00		500	488		ug/L		98	72 - 148
cis-1,2-Dichloroethene	<5.00		500	431		ug/L		86	68 - 138
1,2-Dichloropropane	<5.00		500	435		ug/L		87	67 - 131
trans-1,3-Dichloropropene	<5.00		500	388		ug/L		78	59 - 135
cis-1,3-Dichloropropene	<5.00		500	434		ug/L		87	71 - 141
Ethylbenzene	<5.00		500	520		ug/L		104	79 - 139
2-Hexanone	<50.0		2500	2560		ug/L		102	50 - 150
Isopropylbenzene	6.30		500	605		ug/L		120	80 - 153
Methyl Acetate	<50.0		500	249		ug/L		50	30 - 165
Methyl tert-Butyl Ether	46.8		500	566		ug/L		104	66 - 141
Methylene Chloride	<25.0		500	467		ug/L		93	64 - 139
4-Methyl-2-pentanone	<50.0		2500	2530		ug/L		101	50 - 147
Styrene	<5.00		500	531		ug/L		106	61 - 148
1,1,2,2-Tetrachloroethane	<5.00		500	515		ug/L		103	56 - 143
Tetrachloroethene	<5.00		500	516		ug/L		103	72 - 145
Toluene	<5.00		500	509		ug/L		102	75 - 136
1,2,4-Trichlorobenzene	<5.00		500	542		ug/L		108	60 - 136
1,2,3-Trichlorobenzene	<5.00		500	534		ug/L		107	55 - 138
1,1,1-Trichloroethane	<5.00		500	508		ug/L		102	76 - 149
1,1,2-Trichloroethane	<5.00		500	525		ug/L		105	74 - 134
Trichloroethene	<5.00		500	516		ug/L		103	73 - 144
Trichlorofluoromethane	<5.00		500	445		ug/L		89	58 - 139
Vinyl chloride	<5.00		500	452		ug/L		90	56 - 129

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1180-MS1**

**Matrix: Water**

**Analysis Batch: V004010**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C1180\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Xylenes, total	<15.0		1500	1540		ug/L		103		74 - 141
<b>Surrogate</b>	<b>Matrix Spike</b>	<b>Matrix Spike</b>	<b>Limits</b>							
	<b>%Recovery</b>	<b>Qualifier</b>								
1,2-Dichloroethane-d4	87		70 - 130							
Dibromofluoromethane	96		70 - 130							
Toluene-d8	97		70 - 130							
4-Bromofluorobenzene	92		70 - 130							

**Lab Sample ID: 12C1180-MSD1**

**Matrix: Water**

**Analysis Batch: V004010**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C1180\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						Limit	
Acetone	<250		2500	2460		ug/L		98		45 - 141	9	21
Benzene	42.3		500	528		ug/L		97		75 - 133	3	17
Bromochloromethane	<5.00		500	506		ug/L		101		67 - 139	3	17
Bromodichloromethane	<5.00		500	459		ug/L		92		70 - 140	3	18
Bromoform	<5.00		500	440		ug/L		88		42 - 147	4	16
Bromomethane	<5.00		500	358		ug/L		72		16 - 163	22	50
2-Butanone	<250		2500	2370		ug/L		95		50 - 138	3	19
Carbon disulfide	<5.00		500	402		ug/L		80		48 - 152	3	21
Carbon Tetrachloride	<5.00		500	477		ug/L		95		62 - 164	5	19
Chlorobenzene	<5.00		500	510		ug/L		102		80 - 129	3	14
Chlorodibromomethane	<5.00		500	471		ug/L		94		66 - 140	5	15
Chloroethane	<5.00		500	438		ug/L		88		58 - 137	2	20
Chloroform	<5.00		500	491		ug/L		98		66 - 138	3	18
Chloromethane	<5.00		500	268		ug/L		54		10 - 169	11	31
Cyclohexane	<25.0		500	468		ug/L		94		58 - 144	3	16
1,2-Dibromo-3-chloropropane	<50.0		500	501		ug/L		100		52 - 126	4	24
1,2-Dibromoethane (EDB)	<5.00		500	503		ug/L		101		75 - 137	2	15
Methylcyclohexane	<25.0		500	530		ug/L		106		59 - 151	4	19
1,2-Dichlorobenzene	<5.00		500	552		ug/L		110		79 - 128	3	15
1,3-Dichlorobenzene	<5.00		500	545		ug/L		109		77 - 131	4	15
1,4-Dichlorobenzene	<5.00		500	540		ug/L		108		78 - 126	4	15
Dichlorodifluoromethane	<6.00		500	492		ug/L		98		40 - 127	3	18
1,2-Dichloroethane	<5.00		500	445		ug/L		89		64 - 136	2	17
1,1-Dichloroethane	<5.00		500	442		ug/L		88		71 - 139	2	17
1,1-Dichloroethene	<5.00		500	529		ug/L		106		70 - 142	6	17
trans-1,2-Dichloroethene	<5.00		500	438		ug/L		88		66 - 143	2	16
1,1,2-Trifluoroethane	<5.00		500	503		ug/L		101		72 - 148	3	18
cis-1,2-Dichloroethene	<5.00		500	444		ug/L		89		68 - 138	3	17
1,2-Dichloropropane	<5.00		500	454		ug/L		91		67 - 131	4	17
trans-1,3-Dichloropropene	<5.00		500	408		ug/L		82		59 - 135	5	14
cis-1,3-Dichloropropene	<5.00		500	450		ug/L		90		71 - 141	4	15
Ethylbenzene	<5.00		500	545		ug/L		109		79 - 139	5	15
2-Hexanone	<50.0		2500	2640		ug/L		106		50 - 150	3	15
Isopropylbenzene	6.30		500	635		ug/L		126		80 - 153	5	16
Methyl Acetate	<50.0		500	247		ug/L		49		30 - 165	1	31
Methyl tert-Butyl Ether	46.8		500	584		ug/L		107		66 - 141	3	16

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 12C1180-MSD1**

**Matrix: Water**

**Analysis Batch: V004010**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C1180\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Methylene Chloride	<25.0		500	484			97	64 - 139	4	17		
4-Methyl-2-pentanone	<50.0		2500	2570			103	50 - 147	1	17		
Styrene	<5.00		500	556			111	61 - 148	5	24		
1,1,2,2-Tetrachloroethane	<5.00		500	516			103	56 - 143	0.3	20		
Tetrachloroethene	<5.00		500	533			107	72 - 145	3	16		
Toluene	<5.00		500	519			104	75 - 136	2	15		
1,2,4-Trichlorobenzene	<5.00		500	562			112	60 - 136	4	19		
1,2,3-Trichlorobenzene	<5.00		500	558			112	55 - 138	4	25		
1,1,1-Trichloroethane	<5.00		500	529			106	76 - 149	4	17		
1,1,2-Trichloroethane	<5.00		500	542			108	74 - 134	3	15		
Trichloroethene	<5.00		500	540			108	73 - 144	4	17		
Trichlorofluoromethane	<5.00		500	459			92	58 - 139	3	18		
Vinyl chloride	<5.00		500	471			94	56 - 129	4	17		
Xylenes, total	<15.0		1500	1610			108	74 - 141	5	15		

**Matrix Spike Dup    Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	86		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8	96		70 - 130
4-Bromofluorobenzene	92		70 - 130

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D

**Lab Sample ID: 12C0563-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4-Bromophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Butyl benzyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Carbazole	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4-Chloro-3-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4-Chloroaniline	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Bis(2-chloroethoxy)methane	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Bis(2-chloroethyl)ether	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Bis(2-chloroisopropyl)ether	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2-Chloronaphthalene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2-Chlorophenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4-Chlorophenyl phenyl ether	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12C0563-BLK1

Matrix: Soil

Analysis Batch: 12C0563

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 12C0563\_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Di-n-butyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
1,4-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
1,2-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
1,3-Dichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
3,3-Dichlorobenzidine	<0.167		0.667	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,4-Dichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Diethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Dimethyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4,6-Dinitro-2-methylphenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,4-Dinitrophenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,6-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,4-Dinitrotoluene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Di-n-octyl phthalate	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Bis(2-ethylhexyl)phthalate	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Hexachlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Hexachlorobutadiene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Hexachlorocyclopentadiene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Hexachloroethane	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Isophorone	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
3/4-Methylphenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
3-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4-Nitroaniline	<0.167		0.833	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Nitrobenzene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
4-Nitrophenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2-Nitrophenol	<0.196		0.333	0.196	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
N-Nitrosodiphenylamine	<0.183		0.333	0.183	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
N-Nitrosodi-n-propylamine	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Pentachlorophenol	<0.167		0.833	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Phenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
1,2,4-Trichlorobenzene	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,4,6-Trichlorophenol	<0.167		0.333	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00
2,4,5-Trichlorophenol	<0.167		0.833	0.167	mg/kg wet		03/05/12 05:30	03/05/12 21:23	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	86		18 - 120	03/05/12 05:30	03/05/12 21:23	1.00
2,4,6-Tribromophenol	66		19 - 120	03/05/12 05:30	03/05/12 21:23	1.00
Phenol-d5	72		18 - 120	03/05/12 05:30	03/05/12 21:23	1.00
2-Fluorobiphenyl	67		14 - 120	03/05/12 05:30	03/05/12 21:23	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0563-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol	69		17 - 120	03/05/12 05:30	03/05/12 21:23	1.00
Nitrobenzene-d5	66		17 - 120	03/05/12 05:30	03/05/12 21:23	1.00

**Lab Sample ID: 12C0563-BS1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Acenaphthene	1.67	1.35	MNR1	mg/kg wet		81	36 - 120	
Acenaphthylene	1.67	1.19	MNR1	mg/kg wet		71	38 - 120	
Anthracene	1.67	1.35	MNR1	mg/kg wet		81	46 - 124	
Benzo (a) anthracene	1.67	1.31	MNR1	mg/kg wet		78	45 - 120	
Benzo (a) pyrene	1.67	1.35	MNR1	mg/kg wet		81	45 - 120	
Benzo (b) fluoranthene	1.67	1.33	MNR1	mg/kg wet		80	42 - 120	
Benzo (g,h,i) perylene	1.67	1.31	MNR1	mg/kg wet		79	38 - 120	
Benzo (k) fluoranthene	1.67	1.25	MNR1	mg/kg wet		75	42 - 120	
4-Bromophenyl phenyl ether	1.67	1.26	MNR1	mg/kg wet		76	40 - 120	
Butyl benzyl phthalate	1.67	1.52	MNR1	mg/kg wet		91	43 - 133	
Carbazole	1.67	1.36	MNR1	mg/kg wet		82	44 - 120	
4-Chloro-3-methylphenol	1.67	1.24	MNR1	mg/kg wet		74	38 - 120	
4-Chloroaniline	1.67	1.22	MNR1	mg/kg wet		73	35 - 120	
Bis(2-chloroethoxy)methane	1.67	1.21	MNR1	mg/kg wet		73	32 - 120	
Bis(2-chloroethyl)ether	1.67	1.36	MNR1	mg/kg wet		82	31 - 120	
Bis(2-chloroisopropyl)ether	1.67	1.31	MNR1	mg/kg wet		79	32 - 120	
2-Chloronaphthalene	1.67	1.06	MNR1	mg/kg wet		63	34 - 120	
2-Chlorophenol	1.67	1.39	MNR1	mg/kg wet		84	32 - 120	
4-Chlorophenyl phenyl ether	1.67	1.25	MNR1	mg/kg wet		75	42 - 120	
Chrysene	1.67	1.29	MNR1	mg/kg wet		78	43 - 120	
Dibenz (a,h) anthracene	1.67	1.34	MNR1	mg/kg wet		81	32 - 128	
Dibenzofuran	1.67	1.36	MNR1	mg/kg wet		82	41 - 120	
Di-n-butyl phthalate	1.67	1.37	MNR1	mg/kg wet		82	46 - 127	
1,4-Dichlorobenzene	1.67	1.02	MNR1	mg/kg wet		61	32 - 120	
1,2-Dichlorobenzene	1.67	1.05	MNR1	mg/kg wet		63	33 - 120	
1,3-Dichlorobenzene	1.67	1.04	MNR1	mg/kg wet		62	32 - 120	
3,3-Dichlorobenzidine	1.67	1.34	MNR1	mg/kg wet		80	39 - 120	
2,4-Dichlorophenol	1.67	1.13	MNR1	mg/kg wet		68	32 - 120	
Diethyl phthalate	1.67	1.34	MNR1	mg/kg wet		81	41 - 122	
2,4-Dimethylphenol	1.67	1.28	MNR1	mg/kg wet		77	32 - 120	
Dimethyl phthalate	1.67	1.27	MNR1	mg/kg wet		76	55 - 120	
4,6-Dinitro-2-methylphenol	1.67	1.47	MNR1	mg/kg wet		88	27 - 134	
2,4-Dinitrophenol	1.67	1.36	MNR1	mg/kg wet		82	23 - 142	
2,6-Dinitrotoluene	1.67	1.08	MNR1	mg/kg wet		65	43 - 120	
2,4-Dinitrotoluene	1.67	1.09	MNR1	mg/kg wet		65	43 - 120	
Di-n-octyl phthalate	1.67	1.55	MNR1	mg/kg wet		93	40 - 130	
Bis(2-ethylhexyl)phthalate	1.67	1.57	MNR1	mg/kg wet		94	43 - 120	
Fluoranthene	1.67	1.31	MNR1	mg/kg wet		79	46 - 120	
Fluorene	1.67	1.31	MNR1	mg/kg wet		79	42 - 120	
Hexachlorobenzene	1.67	1.30	MNR1	mg/kg wet		78	44 - 120	
Hexachlorobutadiene	1.67	1.15	MNR1	mg/kg wet		69	31 - 120	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0563-BS1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Hexachlorocyclopentadiene	1.67	0.864	MNR1	mg/kg wet		52	24 - 120	
Hexachloroethane	1.67	1.28	MNR1	mg/kg wet		77	33 - 120	
Indeno (1,2,3-cd) pyrene	1.67	1.33	MNR1	mg/kg wet		80	41 - 121	
Isophorone	1.67	0.948	MNR1	mg/kg wet		57	33 - 120	
2-Methylnaphthalene	1.67	1.14	MNR1	mg/kg wet		69	28 - 120	
2-Methylphenol	1.67	1.13	MNR1	mg/kg wet		68	36 - 120	
3/4-Methylphenol	1.67	1.15	MNR1	mg/kg wet		69	37 - 120	
Naphthalene	1.67	1.28	MNR1	mg/kg wet		77	32 - 120	
3-Nitroaniline	1.67	1.42	MNR1	mg/kg wet		85	42 - 120	
2-Nitroaniline	1.67	1.48	MNR1	mg/kg wet		89	40 - 120	
4-Nitroaniline	1.67	1.42	MNR1	mg/kg wet		85	43 - 120	
Nitrobenzene	1.67	0.927	MNR1	mg/kg wet		56	26 - 120	
4-Nitrophenol	1.67	1.53	MNR1	mg/kg wet		92	32 - 136	
2-Nitrophenol	1.67	1.14	MNR1	mg/kg wet		69	29 - 120	
N-Nitrosodiphenylamine	1.67	1.64	MNR1	mg/kg wet		98	52 - 140	
N-Nitrosodi-n-propylamine	1.67	1.38	MNR1	mg/kg wet		83	35 - 120	
Pentachlorophenol	1.67	1.51	MNR1	mg/kg wet		90	44 - 134	
Phenanthrene	1.67	1.32	MNR1	mg/kg wet		79	45 - 120	
Phenol	1.67	1.46	MNR1	mg/kg wet		88	30 - 120	
Pyrene	1.67	1.33	MNR1	mg/kg wet		80	43 - 120	
1,2,4-Trichlorobenzene	1.67	0.861	MNR1	mg/kg wet		52	29 - 120	
2,4,6-Trichlorophenol	1.67	1.36	MNR1	mg/kg wet		82	39 - 120	
2,4,5-Trichlorophenol	1.67	1.05	MNR1	mg/kg wet		63	39 - 120	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	81		18 - 120
2,4,6-Tribromophenol	61		19 - 120
Phenol-d5	70		18 - 120
2-Fluorobiphenyl	65		14 - 120
2-Fluorophenol	69		17 - 120
Nitrobenzene-d5	59		17 - 120

**Lab Sample ID: 12C0563-MS1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Tract 37 SB-3 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits	
Acenaphthene	<0.0407		2.03	1.64		mg/kg dry	*	81	19 - 120	
Acenaphthylene	<0.0407		2.03	1.45		mg/kg dry	*	72	25 - 120	
Anthracene	<0.0407		2.03	1.61		mg/kg dry	*	80	28 - 125	
Benzo (a) anthracene	<0.0407		2.03	1.58		mg/kg dry	*	78	23 - 120	
Benzo (a) pyrene	<0.0407		2.03	1.63		mg/kg dry	*	80	15 - 128	
Benzo (b) fluoranthene	<0.0407		2.03	1.54		mg/kg dry	*	76	12 - 133	
Benzo (g,h,i) perylene	<0.0407		2.03	1.45		mg/kg dry	*	71	22 - 120	
Benzo (k) fluoranthene	<0.0407		2.03	1.65		mg/kg dry	*	81	28 - 120	
4-Bromophenyl phenyl ether	<0.200		2.03	1.53		mg/kg dry	*	75	31 - 120	
Butyl benzyl phthalate	<0.200		2.03	1.80		mg/kg dry	*	89	24 - 133	
Carbazole	<0.200		2.03	1.61		mg/kg dry	*	80	25 - 123	
4-Chloro-3-methylphenol	<0.200		2.03	1.47		mg/kg dry	*	72	21 - 120	

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12C0563-MS1

Matrix: Soil

Analysis Batch: 12C0563

Client Sample ID: Tract 37 SB-3 (0-2)

Prep Type: Total

Prep Batch: 12C0563\_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
4-Chloroaniline	<0.200		2.03	1.44		mg/kg dry	*	71	26 - 120
Bis(2-chloroethoxy)methane	<0.200		2.03	1.43		mg/kg dry	*	71	24 - 120
Bis(2-chloroethyl)ether	<0.200		2.03	1.65		mg/kg dry	*	81	22 - 120
Bis(2-chloroisopropyl)ether	<0.200		2.03	1.55		mg/kg dry	*	76	20 - 120
2-Chloronaphthalene	<0.200		2.03	1.26		mg/kg dry	*	62	24 - 120
2-Chlorophenol	<0.200		2.03	1.62		mg/kg dry	*	80	25 - 120
4-Chlorophenyl phenyl ether	<0.200		2.03	1.53		mg/kg dry	*	76	26 - 120
Chrysene	<0.0407		2.03	1.61		mg/kg dry	*	79	20 - 120
Dibenz (a,h) anthracene	<0.0407		2.03	1.50		mg/kg dry	*	74	12 - 128
Dibenzofuran	<0.200		2.03	1.67		mg/kg dry	*	82	21 - 120
Di-n-butyl phthalate	<0.200		2.03	1.69		mg/kg dry	*	84	29 - 126
1,4-Dichlorobenzene	<0.200		2.03	1.19		mg/kg dry	*	59	10 - 120
1,2-Dichlorobenzene	<0.200		2.03	1.20		mg/kg dry	*	59	10 - 120
1,3-Dichlorobenzene	<0.200		2.03	1.22		mg/kg dry	*	60	10 - 120
3,3-Dichlorobenzidine	<0.200		2.03	1.60		mg/kg dry	*	79	10 - 120
2,4-Dichlorophenol	<0.200		2.03	1.35		mg/kg dry	*	67	17 - 120
Diethyl phthalate	<0.200		2.03	1.62		mg/kg dry	*	80	29 - 122
2,4-Dimethylphenol	<0.230		2.03	1.49		mg/kg dry	*	73	17 - 120
Dimethyl phthalate	<0.200		2.03	1.53		mg/kg dry	*	75	30 - 120
4,6-Dinitro-2-methylphenol	<0.200		2.03	1.20		mg/kg dry	*	59	10 - 134
2,4-Dinitrophenol	<0.200		2.03	0.875		mg/kg dry	*	43	10 - 150
2,6-Dinitrotoluene	<0.200		2.03	1.29		mg/kg dry	*	64	24 - 120
2,4-Dinitrotoluene	<0.200		2.03	1.36		mg/kg dry	*	67	24 - 121
Di-n-octyl phthalate	<0.200		2.03	1.99		mg/kg dry	*	98	27 - 130
Bis(2-ethylhexyl)phthalate	<0.200		2.03	2.07		mg/kg dry	*	102	26 - 120
Fluoranthene	<0.0407		2.03	1.62		mg/kg dry	*	80	10 - 143
Fluorene	<0.0407		2.03	1.61		mg/kg dry	*	79	20 - 120
Hexachlorobenzene	<0.200		2.03	1.57		mg/kg dry	*	77	25 - 120
Hexachlorobutadiene	<0.200		2.03	1.27		mg/kg dry	*	63	10 - 120
Hexachlorocyclopentadiene	<0.200		2.03	0.662		mg/kg dry	*	33	10 - 120
Hexachloroethane	<0.200		2.03	1.55		mg/kg dry	*	77	10 - 120
Indeno (1,2,3-cd) pyrene	<0.0407		2.03	1.50		mg/kg dry	*	74	22 - 121
Isophorone	<0.200		2.03	1.13		mg/kg dry	*	56	24 - 120
2-Methylnaphthalene	<0.0407		2.03	1.37		mg/kg dry	*	67	13 - 120
2-Methylphenol	<0.200		2.03	1.35		mg/kg dry	*	66	23 - 120
3/4-Methylphenol	<0.200		2.03	1.33		mg/kg dry	*	66	19 - 120
Naphthalene	<0.0407		2.03	1.49		mg/kg dry	*	74	10 - 120
3-Nitroaniline	<0.200		2.03	1.72		mg/kg dry	*	85	31 - 120
2-Nitroaniline	<0.200		2.03	1.72		mg/kg dry	*	85	31 - 120
4-Nitroaniline	<0.200		2.03	1.75		mg/kg dry	*	87	28 - 120
Nitrobenzene	<0.200		2.03	1.09		mg/kg dry	*	54	19 - 120
4-Nitrophenol	<0.200		2.03	1.86		mg/kg dry	*	92	16 - 139
2-Nitrophenol	<0.235		2.03	1.36		mg/kg dry	*	67	23 - 120
N-Nitrosodiphenylamine	<0.219		2.03	1.97		mg/kg dry	*	97	26 - 150
N-Nitrosodi-n-propylamine	<0.200		2.03	1.71		mg/kg dry	*	85	24 - 120
Pentachlorophenol	<0.200		2.03	1.91		mg/kg dry	*	94	19 - 145
Phenanthrene	<0.0407		2.03	1.62		mg/kg dry	*	80	21 - 122
Phenol	<0.200		2.03	1.72		mg/kg dry	*	85	15 - 120
Pyrene	<0.0407		2.03	1.59		mg/kg dry	*	78	20 - 123
1,2,4-Trichlorobenzene	<0.200		2.03	0.979		mg/kg dry	*	48	14 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0563-MS1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Tract 37 SB-3 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
2,4,6-Trichlorophenol	<0.200		2.03	1.63		mg/kg dry	*	80		24 - 122
2,4,5-Trichlorophenol	<0.200		2.03	1.26		mg/kg dry	*	62		27 - 120

Surrogate	Matrix Spike	Matrix Spike	Limits
	%Recovery	Qualifier	
Terphenyl-d14	72		18 - 120
2,4,6-Tribromophenol	57		19 - 120
Phenol-d5	67		18 - 120
2-Fluorobiphenyl	60		14 - 120
2-Fluorophenol	62		17 - 120
Nitrobenzene-d5	54		17 - 120

**Lab Sample ID: 12C0563-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Tract 37 SB-3 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						RPD	Limit
Acenaphthene	<0.0407		2.03	1.46		mg/kg dry	*	72		19 - 120	12	50
Acenaphthylene	<0.0407		2.03	1.27		mg/kg dry	*	62		25 - 120	14	50
Anthracene	<0.0407		2.03	1.43		mg/kg dry	*	70		28 - 125	12	49
Benzo (a) anthracene	<0.0407		2.03	1.42		mg/kg dry	*	70		23 - 120	11	50
Benzo (a) pyrene	<0.0407		2.03	1.45		mg/kg dry	*	71		15 - 128	12	50
Benzo (b) fluoranthene	<0.0407		2.03	1.52		mg/kg dry	*	75		12 - 133	2	50
Benzo (g,h,i) perylene	<0.0407		2.03	1.29		mg/kg dry	*	64		22 - 120	11	50
Benzo (k) fluoranthene	<0.0407		2.03	1.31		mg/kg dry	*	65		28 - 120	23	45
4-Bromophenyl phenyl ether	<0.200		2.03	1.39		mg/kg dry	*	68		31 - 120	10	37
Butyl benzyl phthalate	<0.200		2.03	1.51		mg/kg dry	*	74		24 - 133	17	50
Carbazole	<0.200		2.03	1.43		mg/kg dry	*	70		25 - 123	12	46
4-Chloro-3-methylphenol	<0.200		2.03	1.29		mg/kg dry	*	63		21 - 120	13	49
4-Chloroaniline	<0.200		2.03	1.31		mg/kg dry	*	64		26 - 120	10	50
Bis(2-chloroethoxy)methane	<0.200		2.03	1.26		mg/kg dry	*	62		24 - 120	12	50
Bis(2-chloroethyl)ether	<0.200		2.03	1.39		mg/kg dry	*	68		22 - 120	17	50
Bis(2-chloroisopropyl)ether	<0.200		2.03	1.42		mg/kg dry	*	70		20 - 120	8	50
2-Chloronaphthalene	<0.200		2.03	1.10		mg/kg dry	*	54		24 - 120	14	50
2-Chlorophenol	<0.200		2.03	1.40		mg/kg dry	*	69		25 - 120	15	50
4-Chlorophenyl phenyl ether	<0.200		2.03	1.28		mg/kg dry	*	63		26 - 120	18	50
Chrysene	<0.0407		2.03	1.43		mg/kg dry	*	70		20 - 120	12	49
Dibenz (a,h) anthracene	<0.0407		2.03	1.33		mg/kg dry	*	65		12 - 128	12	50
Dibenzofuran	<0.200		2.03	1.49		mg/kg dry	*	73		21 - 120	12	50
Di-n-butyl phthalate	<0.200		2.03	1.46		mg/kg dry	*	72		29 - 126	15	49
1,4-Dichlorobenzene	<0.200		2.03	1.07		mg/kg dry	*	53		10 - 120	11	50
1,2-Dichlorobenzene	<0.200		2.03	1.09		mg/kg dry	*	54		10 - 120	9	50
1,3-Dichlorobenzene	<0.200		2.03	1.07		mg/kg dry	*	52		10 - 120	13	50
3,3-Dichlorobenzidine	<0.200		2.03	1.44		mg/kg dry	*	71		10 - 120	11	50
2,4-Dichlorophenol	<0.200		2.03	1.26		mg/kg dry	*	62		17 - 120	7	50
Diethyl phthalate	<0.200		2.03	1.40		mg/kg dry	*	69		29 - 122	15	45
2,4-Dimethylphenol	<0.230		2.03	1.37		mg/kg dry	*	67		17 - 120	8	50
Dimethyl phthalate	<0.200		2.03	1.32		mg/kg dry	*	65		30 - 120	15	46
4,6-Dinitro-2-methylphenol	<0.200		2.03	1.08		mg/kg dry	*	53		10 - 134	10	50
2,4-Dinitrophenol	<0.200		2.03	0.701		mg/kg dry	*	34		10 - 150	22	50

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0563-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C0563**

**Client Sample ID: Tract 37 SB-3 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0563\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
2,6-Dinitrotoluene	<0.200		2.03	1.13			56	24 - 120	14	50		
2,4-Dinitrotoluene	<0.200		2.03	1.16			57	24 - 121	16	50		
Di-n-octyl phthalate	<0.200		2.03	1.68			82	27 - 130	17	50		
Bis(2-ethylhexyl)phthalate	<0.200		2.03	1.64			81	26 - 120	23	50		
Fluoranthene	<0.0407		2.03	1.46			72	10 - 143	11	50		
Fluorene	<0.0407		2.03	1.41			69	20 - 120	13	50		
Hexachlorobenzene	<0.200		2.03	1.40			69	25 - 120	11	50		
Hexachlorobutadiene	<0.200		2.03	1.24			61	10 - 120	3	50		
Hexachlorocyclopentadiene	<0.200		2.03	0.650			32	10 - 120	2	50		
Hexachloroethane	<0.200		2.03	1.31			64	10 - 120	17	50		
Indeno (1,2,3-cd) pyrene	<0.0407		2.03	1.33			66	22 - 121	12	50		
Isophorone	<0.200		2.03	0.998			49	24 - 120	12	50		
2-Methylnaphthalene	<0.0407		2.03	1.25			62	13 - 120	9	50		
2-Methylphenol	<0.200		2.03	1.18			58	23 - 120	13	50		
3/4-Methylphenol	<0.200		2.03	1.15			57	19 - 120	15	50		
Naphthalene	<0.0407		2.03	1.33			66	10 - 120	11	50		
3-Nitroaniline	<0.200		2.03	1.47			72	31 - 120	16	49		
2-Nitroaniline	<0.200		2.03	1.51			74	31 - 120	13	50		
4-Nitroaniline	<0.200		2.03	1.45			71	28 - 120	19	49		
Nitrobenzene	<0.200		2.03	0.967			48	19 - 120	12	50		
4-Nitrophenol	<0.200		2.03	1.51			74	16 - 139	21	45		
2-Nitrophenol	<0.235		2.03	1.24			61	23 - 120	9	50		
N-Nitrosodiphenylamine	<0.219		2.03	1.71			84	26 - 150	14	50		
N-Nitrosodi-n-propylamine	<0.200		2.03	1.40			69	24 - 120	20	50		
Pentachlorophenol	<0.200		2.03	1.64			81	19 - 145	15	50		
Phenanthrene	<0.0407		2.03	1.44			71	21 - 122	12	50		
Phenol	<0.200		2.03	1.47			72	15 - 120	16	50		
Pyrene	<0.0407		2.03	1.37			68	20 - 123	14	50		
1,2,4-Trichlorobenzene	<0.200		2.03	0.909			45	14 - 120	7	50		
2,4,6-Trichlorophenol	<0.200		2.03	1.45			71	24 - 122	11	50		
2,4,5-Trichlorophenol	<0.200		2.03	1.13			56	27 - 120	11	50		

**Matrix Spike Dup    Matrix Spike Dup**

Surrogate	%Recovery	Qualifier	Limits
Terphenyl-d14	69		18 - 120
2,4,6-Tribromophenol	54		19 - 120
Phenol-d5	62		18 - 120
2-Fluorobiphenyl	58		14 - 120
2-Fluorophenol	60		17 - 120
Nitrobenzene-d5	51		17 - 120

**Lab Sample ID: 12C0573-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0573**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0573\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Acenaphthylene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Anthracene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Benzo (a) anthracene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

Lab Sample ID: 12C0573-BLK1

Matrix: Water

Analysis Batch: 12C0573

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 12C0573\_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo (a) pyrene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Benzo (b) fluoranthene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Benzo (g,h,i) perylene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Benzo (k) fluoranthene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4-Bromophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Butyl benzyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Carbazole	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4-Chloro-3-methylphenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4-Chloroaniline	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Bis(2-chloroethoxy)methane	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Bis(2-chloroethyl)ether	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Bis(2-chloroisopropyl)ether	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2-Chloronaphthalene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2-Chlorophenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4-Chlorophenyl phenyl ether	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Chrysene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Dibenz (a,h) anthracene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Dibenzofuran	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Di-n-butyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
1,4-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
1,2-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
1,3-Dichlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
3,3-Dichlorobenzidine	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,4-Dichlorophenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Diethyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,4-Dimethylphenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Dimethyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4,6-Dinitro-2-methylphenol	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,4-Dinitrophenol	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,6-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,4-Dinitrotoluene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Di-n-octyl phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Bis(2-ethylhexyl)phthalate	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Fluoranthene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Fluorene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Hexachlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Hexachlorobutadiene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Hexachlorocyclopentadiene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Hexachloroethane	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Indeno (1,2,3-cd) pyrene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Isophorone	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2-Methylnaphthalene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2-Methylphenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Naphthalene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
3/4-Methylphenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
3-Nitroaniline	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2-Nitroaniline	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4-Nitroaniline	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Nitrobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
4-Nitrophenol	<5.00		25.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0573-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0573**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0573\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
N-Nitrosodiphenylamine	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
N-Nitrosodi-n-propylamine	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Pentachlorophenol	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Phenanthrene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Phenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
Pyrene	<1.00		2.00	1.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
1,2,4-Trichlorobenzene	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		03/03/12 11:00	03/03/12 21:02	1.00
2,4,5-Trichlorophenol	<13.0		25.0	13.0	ug/L		03/03/12 11:00	03/03/12 21:02	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	101		13 - 120	03/03/12 11:00	03/03/12 21:02	1.00
2,4,6-Tribromophenol	67		10 - 120	03/03/12 11:00	03/03/12 21:02	1.00
Phenol-d5	30		10 - 120	03/03/12 11:00	03/03/12 21:02	1.00
2-Fluorobiphenyl	74		29 - 120	03/03/12 11:00	03/03/12 21:02	1.00
2-Fluorophenol	50		10 - 120	03/03/12 11:00	03/03/12 21:02	1.00
Nitrobenzene-d5	81		27 - 120	03/03/12 11:00	03/03/12 21:02	1.00

**Lab Sample ID: 12C0573-BS1**

**Matrix: Water**

**Analysis Batch: 12C0573**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0573\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	41.3	MNR1	ug/L		83	46 - 120
Acenaphthylene	50.0	36.4	MNR1	ug/L		73	48 - 120
Anthracene	50.0	45.6	MNR1	ug/L		91	58 - 130
Benzo (a) anthracene	50.0	46.2	MNR1	ug/L		92	57 - 120
Benzo (a) pyrene	50.0	46.7	MNR1	ug/L		93	57 - 124
Benzo (b) fluoranthene	50.0	48.4	MNR1	ug/L		97	51 - 125
Benzo (g,h,i) perylene	50.0	44.1	MNR1	ug/L		88	51 - 123
Benzo (k) fluoranthene	50.0	38.4	MNR1	ug/L		77	51 - 120
4-Bromophenyl phenyl ether	50.0	46.7	MNR1	ug/L		93	47 - 127
Butyl benzyl phthalate	50.0	52.9	MNR1	ug/L		106	51 - 146
Carbazole	50.0	46.0	MNR1	ug/L		92	54 - 123
4-Chloro-3-methylphenol	50.0	36.7	MNR1	ug/L		73	44 - 120
4-Chloroaniline	50.0	38.1	MNR1	ug/L		76	44 - 120
Bis(2-chloroethoxy)methane	50.0	40.1	MNR1	ug/L		80	44 - 120
Bis(2-chloroethyl)ether	50.0	47.5	MNR1	ug/L		95	47 - 120
Bis(2-chloroisopropyl)ether	50.0	45.9	MNR1	ug/L		92	44 - 120
2-Chloronaphthalene	50.0	30.7	MNR1	ug/L		61	39 - 120
2-Chlorophenol	50.0	43.5	MNR1	ug/L		87	40 - 120
4-Chlorophenyl phenyl ether	50.0	40.3	MNR1	ug/L		81	50 - 120
Chrysene	50.0	45.9	MNR1	ug/L		92	55 - 120
Dibenz (a,h) anthracene	50.0	45.0	MNR1	ug/L		90	50 - 125
Dibenzofuran	50.0	43.0	MNR1	ug/L		86	50 - 120
Di-n-butyl phthalate	50.0	48.3	MNR1	ug/L		97	54 - 140
1,4-Dichlorobenzene	50.0	27.2	MNR1	ug/L		54	31 - 120
1,2-Dichlorobenzene	50.0	27.7	MNR1	ug/L		55	32 - 120



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 8270D - Semivolatile Organic Compounds by EPA Method 8270D (Continued)

**Lab Sample ID: 12C0573-BS1**

**Matrix: Water**

**Analysis Batch: 12C0573**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0573\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	50.0	27.0	MNR1	ug/L		54	32 - 120
3,3-Dichlorobenzidine	50.0	43.7	MNR1	ug/L		87	46 - 129
2,4-Dichlorophenol	50.0	36.7	MNR1	ug/L		73	38 - 120
Diethyl phthalate	50.0	43.7	MNR1	ug/L		87	54 - 128
2,4-Dimethylphenol	50.0	39.3	MNR1	ug/L		79	21 - 126
Dimethyl phthalate	50.0	42.5	MNR1	ug/L		85	53 - 127
4,6-Dinitro-2-methylphenol	50.0	50.9	MNR1	ug/L		102	19 - 150
2,4-Dinitrophenol	50.0	47.5	MNR1	ug/L		95	20 - 150
2,6-Dinitrotoluene	50.0	34.2	MNR1	ug/L		68	54 - 128
2,4-Dinitrotoluene	50.0	35.4	MNR1	ug/L		71	46 - 132
Di-n-octyl phthalate	50.0	53.9	MNR1	ug/L		108	50 - 142
Bis(2-ethylhexyl)phthalate	50.0	56.9	MNR1	ug/L		114	47 - 138
Fluoranthene	50.0	44.6	MNR1	ug/L		89	56 - 120
Fluorene	50.0	42.7	MNR1	ug/L		85	52 - 120
Hexachlorobenzene	50.0	47.3	MNR1	ug/L		95	48 - 131
Hexachlorobutadiene	50.0	27.5	MNR1	ug/L		55	28 - 120
Hexachlorocyclopentadiene	50.0	20.0	MNR1	ug/L		40	17 - 120
Hexachloroethane	50.0	31.5	MNR1	ug/L		63	30 - 120
Indeno (1,2,3-cd) pyrene	50.0	44.7	MNR1	ug/L		89	54 - 125
Isophorone	50.0	31.5	MNR1	ug/L		63	47 - 120
2-Methylnaphthalene	50.0	31.2	MNR1	ug/L		62	31 - 120
2-Methylphenol	50.0	30.2	MNR1	ug/L		60	38 - 120
Naphthalene	50.0	34.3	MNR1	ug/L		69	37 - 120
3/4-Methylphenol	50.0	27.2	MNR1	ug/L		54	33 - 120
3-Nitroaniline	50.0	44.9	MNR1	ug/L		90	54 - 121
2-Nitroaniline	50.0	47.4	MNR1	ug/L		95	46 - 131
4-Nitroaniline	50.0	44.1	MNR1	ug/L		88	55 - 123
Nitrobenzene	50.0	28.9	MNR1	ug/L		58	36 - 120
4-Nitrophenol	50.0	15.5	MNR1 J	ug/L		31	10 - 120
2-Nitrophenol	50.0	38.3	MNR1	ug/L		77	32 - 120
N-Nitrosodiphenylamine	50.0	55.6	MNR1	ug/L		111	58 - 149
N-Nitrosodi-n-propylamine	50.0	47.0	MNR1	ug/L		94	51 - 120
Pentachlorophenol	50.0	53.9	MNR1	ug/L		108	21 - 150
Phenanthrene	50.0	45.1	MNR1	ug/L		90	56 - 120
Phenol	50.0	18.2	MNR1	ug/L		36	14 - 120
Pyrene	50.0	47.7	MNR1	ug/L		95	53 - 129
1,2,4-Trichlorobenzene	50.0	21.9	MNR1	ug/L		44	30 - 120
2,4,6-Trichlorophenol	50.0	45.0	MNR1	ug/L		90	39 - 135
2,4,5-Trichlorophenol	50.0	34.5	MNR1	ug/L		69	40 - 129

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	94		13 - 120
2,4,6-Tribromophenol	70		10 - 120
Phenol-d5	24		10 - 120
2-Fluorobiphenyl	67		29 - 120
2-Fluorophenol	43		10 - 120
Nitrobenzene-d5	63		27 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 6010C - Total Metals by EPA 6010C

**Lab Sample ID: 12C0799-BLK1**

**Matrix: Soil**

**Analysis Batch: 12C0799**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0799\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<9.63		19.3	9.63	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Antimony	<4.82		9.63	4.82	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Arsenic	<0.482		0.963	0.482	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Barium	<0.963		1.93	0.963	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Beryllium	<0.482		0.963	0.482	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Cadmium	<0.482		0.963	0.482	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Calcium	<48.2		96.3	48.2	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Chromium	<0.482		0.963	0.482	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Cobalt	<1.45		2.89	1.45	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Copper	<0.963		1.93	0.963	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Iron	6.40	J	9.63	4.82	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Lead	<0.482		0.963	0.482	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Magnesium	<48.2		96.3	48.2	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Manganese	2.47	J	2.89	1.45	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Nickel	<0.963		1.93	0.963	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Potassium	<48.2		96.3	48.2	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Selenium	<0.963		1.93	0.963	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Silver	<0.482		0.963	0.482	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Sodium	<96.3		193	96.3	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Thallium	<0.963		1.93	0.963	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Vanadium	<4.82		9.63	4.82	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00
Zinc	<4.82		9.63	4.82	mg/kg wet		03/07/12 10:11	03/13/12 20:40	1.00

**Lab Sample ID: 12C0799-BS1**

**Matrix: Soil**

**Analysis Batch: 12C0799**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0799\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	763	745		mg/kg wet		98	80 - 120
Antimony	38.2	48.5	L	mg/kg wet		127	80 - 120
Arsenic	19.1	19.1		mg/kg wet		100	80 - 120
Barium	763	827		mg/kg wet		108	80 - 120
Beryllium	19.1	20.4		mg/kg wet		107	80 - 120
Cadmium	19.1	20.3		mg/kg wet		106	80 - 120
Calcium	1910	2000		mg/kg wet		105	80 - 120
Chromium	76.3	79.7		mg/kg wet		104	80 - 120
Cobalt	191	204		mg/kg wet		107	80 - 120
Copper	95.4	96.8		mg/kg wet		101	80 - 120
Iron	382	404	B	mg/kg wet		106	80 - 120
Lead	19.1	20.5		mg/kg wet		107	80 - 120
Magnesium	1910	1920		mg/kg wet		101	80 - 120
Manganese	191	199	B	mg/kg wet		104	80 - 120
Nickel	191	208		mg/kg wet		109	80 - 120
Potassium	1910	1830		mg/kg wet		96	80 - 120
Selenium	19.1	20.5		mg/kg wet		107	80 - 120
Silver	19.1	19.0		mg/kg wet		99	75 - 125
Sodium	1910	1930		mg/kg wet		101	80 - 120
Thallium	19.1	17.4		mg/kg wet		91	80 - 120
Vanadium	191	202		mg/kg wet		106	80 - 120
Zinc	191	197		mg/kg wet		103	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C0799-MS1**

**Matrix: Soil**

**Analysis Batch: 12C0799**

**Client Sample ID: Tract 37 SB-3 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0799\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Aluminum	7550	MHA	946	11700	MHA	mg/kg dry	☼	439	75 - 125
Antimony	<6.10		47.3	54.3		mg/kg dry	☼	115	75 - 125
Arsenic	2.95		23.7	24.8		mg/kg dry	☼	92	75 - 125
Barium	32.3		946	971		mg/kg dry	☼	99	75 - 125
Beryllium	<0.610		23.7	23.4		mg/kg dry	☼	99	75 - 125
Cadmium	<0.610		23.7	23.0		mg/kg dry	☼	97	75 - 125
Calcium	4620	MHA	2370	5310	MHA	mg/kg dry	☼	29	75 - 125
Chromium	11.0		94.6	103		mg/kg dry	☼	97	75 - 125
Cobalt	1.88	J	237	247		mg/kg dry	☼	104	75 - 125
Copper	3.05		118	113		mg/kg dry	☼	93	75 - 125
Iron	7480	MHA B	473	8340	MHA B	mg/kg dry	☼	182	75 - 125
Lead	9.69		23.7	33.5		mg/kg dry	☼	101	75 - 125
Magnesium	715		2370	2930		mg/kg dry	☼	94	75 - 125
Manganese	56.2	B	237	274	B	mg/kg dry	☼	92	75 - 125
Nickel	3.39		237	254		mg/kg dry	☼	106	75 - 125
Potassium	336		2370	2450		mg/kg dry	☼	89	75 - 125
Selenium	<1.22		23.7	22.9		mg/kg dry	☼	97	75 - 125
Silver	<0.610		23.7	21.5		mg/kg dry	☼	91	75 - 125
Sodium	<122		2370	2240		mg/kg dry	☼	95	75 - 125
Thallium	<1.22		23.7	19.2		mg/kg dry	☼	81	75 - 125
Vanadium	14.7		237	241		mg/kg dry	☼	96	75 - 125
Zinc	17.9		237	242		mg/kg dry	☼	95	75 - 125

**Lab Sample ID: 12C0799-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C0799**

**Client Sample ID: Tract 37 SB-3 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0799\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Aluminum	7550	MHA	952	12400	MHA	mg/kg dry	☼	508	75 - 125	6	20
Antimony	<6.10		47.6	55.9		mg/kg dry	☼	117	75 - 125	3	20
Arsenic	2.95		23.8	26.6		mg/kg dry	☼	99	75 - 125	7	20
Barium	32.3		952	992		mg/kg dry	☼	101	75 - 125	2	20
Beryllium	<0.610		23.8	24.5		mg/kg dry	☼	103	75 - 125	4	20
Cadmium	<0.610		23.8	23.5		mg/kg dry	☼	99	75 - 125	2	20
Calcium	4620	MHA	2380	11100	MHA	mg/kg dry	☼	274	75 - 125	71	20
Chromium	11.0		95.2	112		mg/kg dry	☼	106	75 - 125	8	20
Cobalt	1.88	J	238	258		mg/kg dry	☼	108	75 - 125	4	20
Copper	3.05		119	117		mg/kg dry	☼	96	75 - 125	4	20
Iron	7480	MHA B	476	11700	MHA B	mg/kg dry	☼	893	75 - 125	34	20
Lead	9.69		23.8	33.1		mg/kg dry	☼	99	75 - 125	1	20
Magnesium	715		2380	3390		mg/kg dry	☼	112	75 - 125	14	20
Manganese	56.2	B	238	296	B	mg/kg dry	☼	101	75 - 125	8	20
Nickel	3.39		238	265		mg/kg dry	☼	110	75 - 125	4	20
Potassium	336		2380	2730		mg/kg dry	☼	101	75 - 125	11	20
Selenium	<1.22		23.8	23.7		mg/kg dry	☼	100	75 - 125	4	20
Silver	<0.610		23.8	22.4		mg/kg dry	☼	94	75 - 125	4	20
Sodium	<122		2380	2330		mg/kg dry	☼	98	75 - 125	4	20
Thallium	<1.22		23.8	20.9		mg/kg dry	☼	88	75 - 125	8	20
Vanadium	14.7		238	257		mg/kg dry	☼	102	75 - 125	6	20
Zinc	17.9		238	251		mg/kg dry	☼	98	75 - 125	4	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C0812-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0812**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0812\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Arsenic	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Calcium	<0.500		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Copper	0.00510	J	0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Iron	<0.0250		0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Magnesium	<0.500		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Potassium	<0.500		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Sodium	<0.500		1.00	0.500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		03/11/12 11:40	03/13/12 19:49	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		03/11/12 11:40	03/13/12 19:49	1.00

**Lab Sample ID: 12C0812-BS1**

**Matrix: Water**

**Analysis Batch: 12C0812**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0812\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.85		mg/L		92	80 - 120
Antimony	0.100	0.118		mg/L		118	80 - 120
Arsenic	0.0500	0.0467		mg/L		93	80 - 120
Barium	2.00	2.00		mg/L		100	80 - 120
Beryllium	0.0500	0.0512		mg/L		102	80 - 120
Cadmium	0.0500	0.0504		mg/L		101	80 - 120
Calcium	5.00	4.90		mg/L		98	80 - 120
Chromium	0.200	0.198		mg/L		99	80 - 120
Cobalt	0.500	0.505		mg/L		101	80 - 120
Copper	0.250	0.242	B	mg/L		97	80 - 120
Iron	1.00	0.973		mg/L		97	80 - 120
Lead	0.0500	0.0505		mg/L		101	80 - 120
Magnesium	5.00	4.74		mg/L		95	80 - 120
Manganese	0.500	0.495		mg/L		99	80 - 120
Nickel	0.500	0.510		mg/L		102	80 - 120
Potassium	5.00	4.53		mg/L		91	80 - 120
Selenium	0.0500	0.0518		mg/L		104	80 - 120
Silver	0.0500	0.0478		mg/L		96	80 - 120
Sodium	5.00	4.80		mg/L		96	80 - 120
Thallium	0.0500	0.0447		mg/L		89	80 - 120
Vanadium	0.500	0.503		mg/L		101	80 - 120
Zinc	0.500	0.497		mg/L		99	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 6010C - Total Metals by EPA 6010C (Continued)

**Lab Sample ID: 12C0812-MS1**

**Matrix: Water**

**Analysis Batch: 12C0812**

**Client Sample ID: Tract 37 TW-3 (10-14)**

**Prep Type: Total**

**Prep Batch: 12C0812\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Aluminum	41.9	MHA	2.00	48.7	MHA	mg/L		339		75 - 125
Antimony	<0.00500	M8	0.100	0.0558	M8	mg/L		56		75 - 125
Arsenic	0.0197	M8	0.0500	0.0537	M8	mg/L		68		75 - 125
Barium	0.316	M8	2.00	1.71	M8	mg/L		70		75 - 125
Beryllium	0.00480	M8	0.0500	0.0411	M8	mg/L		73		75 - 125
Cadmium	<0.000600	M8	0.0500	0.0348	M8	mg/L		70		75 - 125
Calcium	40.1	MHA	5.00	42.8	MHA	mg/L		53		75 - 125
Chromium	0.0741	M8	0.200	0.218	M8	mg/L		72		75 - 125
Cobalt	0.0947		0.500	0.606		mg/L		102		75 - 125
Copper	0.0110	M8 B	0.250	0.180	M8 B	mg/L		67		75 - 125
Iron	61.1	MHA	1.00	63.1	MHA	mg/L		199		75 - 125
Lead	0.0289		0.0500	0.0838		mg/L		110		75 - 125
Magnesium	11.6	M8	5.00	15.1	M8	mg/L		70		75 - 125
Manganese	1.19	M8	0.500	1.51	M8	mg/L		64		75 - 125
Nickel	0.0314		0.500	0.552		mg/L		104		75 - 125
Potassium	2.78	M8	5.00	6.04	M8	mg/L		65		75 - 125
Selenium	<0.00500	M8	0.0500	0.0343	M8	mg/L		69		75 - 125
Silver	<0.00250	M8	0.0500	0.0327	M8	mg/L		65		75 - 125
Sodium	66.4	MHA	5.00	69.4	MHA	mg/L		60		75 - 125
Thallium	<0.00500	M8	0.0500	0.0310	M8	mg/L		62		75 - 125
Vanadium	0.140	M8	0.500	0.493	M8	mg/L		71		75 - 125
Zinc	0.0942	M8	0.500	0.446	M8	mg/L		70		75 - 125

**Lab Sample ID: 12C0812-MSD1**

**Matrix: Water**

**Analysis Batch: 12C0812**

**Client Sample ID: Tract 37 TW-3 (10-14)**

**Prep Type: Total**

**Prep Batch: 12C0812\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aluminum	41.9	MHA	2.00	47.2	MHA	mg/L		264		75 - 125	3	20
Antimony	<0.00500	M8	0.100	0.0555	M8	mg/L		56		75 - 125	0.5	20
Arsenic	0.0197	M8	0.0500	0.0529	M8	mg/L		66		75 - 125	2	20
Barium	0.316	M8	2.00	1.68	M8	mg/L		68		75 - 125	2	20
Beryllium	0.00480	M8	0.0500	0.0402	M8	mg/L		71		75 - 125	2	20
Cadmium	<0.000600	M8	0.0500	0.0345	M8	mg/L		69		75 - 125	0.9	20
Calcium	40.1	MHA	5.00	42.4	MHA	mg/L		47		75 - 125	0.7	20
Chromium	0.0741	M8	0.200	0.216	M8	mg/L		71		75 - 125	0.9	20
Cobalt	0.0947		0.500	0.602		mg/L		101		75 - 125	0.7	20
Copper	0.0110	M8 B	0.250	0.177	M8 B	mg/L		66		75 - 125	1	20
Iron	61.1	MHA	1.00	61.7	MHA	mg/L		57		75 - 125	2	20
Lead	0.0289		0.0500	0.0815		mg/L		105		75 - 125	3	20
Magnesium	11.6	M8	5.00	14.9	M8	mg/L		66		75 - 125	1	20
Manganese	1.19	M8	0.500	1.50	M8	mg/L		62		75 - 125	0.8	20
Nickel	0.0314		0.500	0.542		mg/L		102		75 - 125	2	20
Potassium	2.78	M8	5.00	5.93	M8	mg/L		63		75 - 125	2	20
Selenium	<0.00500	M8	0.0500	0.0353	M8	mg/L		71		75 - 125	3	20
Silver	<0.00250	M8	0.0500	0.0323	M8	mg/L		65		75 - 125	1	20
Sodium	66.4	MHA	5.00	70.8	MHA	mg/L		88		75 - 125	2	20
Thallium	<0.00500	M8	0.0500	0.0333	M8	mg/L		67		75 - 125	7	20
Vanadium	0.140	M8	0.500	0.480	M8	mg/L		68		75 - 125	3	20
Zinc	0.0942	M8	0.500	0.442	M8	mg/L		70		75 - 125	0.8	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 6010C - Dissolved Metals by Method 6010C

**Lab Sample ID: 12C0823-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0823**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 12C0823\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Antimony	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Arsenic	0.00500	J	0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Barium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Beryllium	<0.00200		0.00400	0.00200	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Cadmium	<0.000600		0.00100	0.000600	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Calcium	<0.500		1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Chromium	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Cobalt	<0.0100		0.0200	0.0100	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Copper	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Iron	0.0401	J	0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Lead	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Magnesium	<0.500		1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Manganese	<0.00750		0.0150	0.00750	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Nickel	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Potassium	<0.500		1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Selenium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Silver	<0.00250		0.00500	0.00250	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Sodium	<0.500		1.00	0.500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Thallium	<0.00500		0.0100	0.00500	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Vanadium	<0.0100		0.0200	0.0100	mg/L		03/11/12 11:52	03/12/12 16:13	1.00
Zinc	<0.0250		0.0500	0.0250	mg/L		03/11/12 11:52	03/12/12 16:13	1.00

**Lab Sample ID: 12C0823-BS1**

**Matrix: Water**

**Analysis Batch: 12C0823**

**Client Sample ID: Lab Control Sample**

**Prep Type: Dissolved**

**Prep Batch: 12C0823\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2.00	1.70		mg/L		85	80 - 120
Antimony	0.100	0.0966		mg/L		97	80 - 120
Arsenic	0.0500	0.0432	B	mg/L		86	80 - 120
Barium	2.00	1.69		mg/L		85	80 - 120
Beryllium	0.0500	0.0440		mg/L		88	80 - 120
Cadmium	0.0500	0.0424		mg/L		85	80 - 120
Calcium	5.00	4.38		mg/L		88	80 - 120
Chromium	0.200	0.172		mg/L		86	80 - 120
Cobalt	0.500	0.438		mg/L		88	80 - 120
Copper	0.250	0.205		mg/L		82	80 - 120
Iron	1.00	0.874	B	mg/L		87	80 - 120
Lead	0.0500	0.0451		mg/L		90	80 - 120
Magnesium	5.00	4.31		mg/L		86	80 - 120
Manganese	0.500	0.429		mg/L		86	80 - 120
Nickel	0.500	0.441		mg/L		88	80 - 120
Potassium	5.00	4.18		mg/L		84	80 - 120
Selenium	0.0500	0.0451		mg/L		90	80 - 120
Silver	0.0500	0.0427		mg/L		85	80 - 120
Sodium	5.00	4.35		mg/L		87	80 - 120
Vanadium	0.500	0.440		mg/L		88	80 - 120
Zinc	0.500	0.429		mg/L		86	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12C0823-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C0823**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0823\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Thallium	0.0500	0.0472		mg/L		94	80 - 120

**Lab Sample ID: 12C0823-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C0823**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0823\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	<0.0500		2.00	1.80		mg/L		90	75 - 125
Antimony	<0.00500		0.100	0.108		mg/L		108	75 - 125
Arsenic	<0.00500		0.0500	0.0493	B	mg/L		99	75 - 125
Barium	12.0		2.00	13.1	MHA	mg/L		57	75 - 125
Beryllium	<0.00200		0.0500	0.0403		mg/L		81	75 - 125
Cadmium	<0.000600		0.0500	0.0383		mg/L		77	75 - 125
Calcium	868		5.00	855	MHA	mg/L		-264	75 - 125
Chromium	<0.00250		0.200	0.158		mg/L		79	75 - 125
Cobalt	<0.0100		0.500	0.464		mg/L		93	75 - 125
Copper	<0.00500		0.250	0.206		mg/L		83	75 - 125
Iron	<0.0250		1.00	0.811	B	mg/L		81	75 - 125
Lead	<0.00250		0.0500	0.0366	M8	mg/L		73	75 - 125
Magnesium	442		5.00	436	MHA	mg/L		-108	75 - 125
Manganese	0.389		0.500	0.772		mg/L		77	75 - 125
Nickel	<0.00500		0.500	0.448		mg/L		90	75 - 125
Potassium	37.8		5.00	42.2		mg/L		90	75 - 125
Selenium	<0.00500		0.0500	0.0524		mg/L		105	75 - 125
Silver	<0.00250		0.0500	0.0584		mg/L		117	75 - 125
Sodium	1690		5.00	1350	MHA	mg/L		-6840	75 - 125
Thallium	<0.00500		0.0500	0.0248	M8	mg/L		50	75 - 125
Vanadium	<0.0100		0.500	0.399		mg/L		80	75 - 125
Zinc	<0.0250		0.500	0.561		mg/L		112	75 - 125

**Lab Sample ID: 12C0823-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12C0823**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0823\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aluminum	<0.0500		2.00	1.90		mg/L		95	75 - 125	5	20
Antimony	<0.00500		0.100	0.110		mg/L		110	75 - 125	2	20
Arsenic	<0.00500		0.0500	0.0487	B	mg/L		97	75 - 125	1	20
Barium	12.0		2.00	13.2	MHA	mg/L		62	75 - 125	0.7	20
Beryllium	<0.00200		0.0500	0.0419		mg/L		84	75 - 125	4	20
Cadmium	<0.000600		0.0500	0.0394		mg/L		79	75 - 125	3	20
Calcium	868		5.00	861	MHA	mg/L		-152	75 - 125	0.7	20
Chromium	<0.00250		0.200	0.161		mg/L		81	75 - 125	2	20
Cobalt	<0.0100		0.500	0.476		mg/L		95	75 - 125	3	20
Copper	<0.00500		0.250	0.216		mg/L		86	75 - 125	4	20
Iron	<0.0250		1.00	0.827	B	mg/L		83	75 - 125	2	20
Lead	<0.00250		0.0500	0.0393		mg/L		79	75 - 125	7	20
Magnesium	442		5.00	440	MHA	mg/L		-40	75 - 125	0.8	20
Manganese	0.389		0.500	0.781		mg/L		78	75 - 125	1	20
Nickel	<0.00500		0.500	0.462		mg/L		92	75 - 125	3	20

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 6010C - Dissolved Metals by Method 6010C (Continued)

**Lab Sample ID: 12C0823-MSD1**

**Matrix: Water**

**Analysis Batch: 12C0823**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 12C0823\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier					
Potassium	37.8		5.00	42.9			103	75 - 125	2	20
Selenium	<0.00500		0.0500	0.0541			108	75 - 125	3	20
Silver	<0.00250		0.0500	0.0592			118	75 - 125	1	20
Sodium	1690		5.00	1240	MHA		-9060	75 - 125	9	20
Thallium	<0.00500		0.0500	0.0256	M8		51	75 - 125	3	20
Vanadium	<0.0100		0.500	0.416			83	75 - 125	4	20
Zinc	<0.0250		0.500	0.576			115	75 - 125	3	20

## Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12C0760-BLK1**

**Matrix: Water**

**Analysis Batch: 12C0760**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 12C0760\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000100		0.000200	0.000100	mg/L		03/05/12 11:40	03/06/12 13:40	1.00

**Lab Sample ID: 12C0760-BS1**

**Matrix: Water**

**Analysis Batch: 12C0760**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 12C0760\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00100	0.000956		mg/L		96	80 - 120

**Lab Sample ID: 12C0760-BSD1**

**Matrix: Water**

**Analysis Batch: 12C0760**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total**

**Prep Batch: 12C0760\_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.00100	0.000947		mg/L		95	80 - 120	0.9	20

**Lab Sample ID: 12C0760-MS1**

**Matrix: Water**

**Analysis Batch: 12C0760**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 12C0760\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier			
Mercury	<0.000100		0.00100	0.00102			102	75 - 125

**Lab Sample ID: 12C0760-MSD1**

**Matrix: Water**

**Analysis Batch: 12C0760**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0760\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier					
Mercury	<0.000100		0.00100	0.00103			103	75 - 125	0.6	20



# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

**Lab Sample ID: 12C0764-BLK1**  
**Matrix: Water**  
**Analysis Batch: 12C0764**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0764\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000100		0.000200	0.000100	mg/L		03/07/12 12:20	03/07/12 15:04	1.00

**Lab Sample ID: 12C0764-BS1**  
**Matrix: Water**  
**Analysis Batch: 12C0764**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0764\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.00108		mg/L		108	80 - 120

**Lab Sample ID: 12C0764-MS1**  
**Matrix: Water**  
**Analysis Batch: 12C0764**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0764\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.000100		0.00100	0.000991		mg/L		99	75 - 125

**Lab Sample ID: 12C0764-MSD1**  
**Matrix: Water**  
**Analysis Batch: 12C0764**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 12C0764\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.000100		0.00100	0.000972		mg/L		97	75 - 125	2	20

## Method: SW846 7471B - Mercury by EPA Method 7471B

**Lab Sample ID: 12C0753-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 12C0753**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 12C0753\_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.049		0.099	0.049	mg/kg wet		03/05/12 14:30	03/06/12 10:48	1.0

**Lab Sample ID: 12C0753-BS1**  
**Matrix: Soil**  
**Analysis Batch: 12C0753**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 12C0753\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.163	0.19		mg/kg wet		115	80 - 120

**Lab Sample ID: 12C0753-MS1**  
**Matrix: Soil**  
**Analysis Batch: 12C0753**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 12C0753\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.059		0.180	0.23		mg/kg dry		98	80 - 120

# QC Sample Results

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Method: SW846 7471B - Mercury by EPA Method 7471B (Continued)

**Lab Sample ID: 12C0753-MSD1**

**Matrix: Soil**

**Analysis Batch: 12C0753**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 12C0753\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.059		0.175	0.37	M7 R2	mg/kg dry	☼	180	80 - 120	46	20

## Method: SW-846 - General Chemistry Parameters

**Lab Sample ID: 12C0768-DUP1**

**Matrix: Soil**

**Analysis Batch: 12C0768**

**Client Sample ID: Tract 37 SB-3 (0-2)**

**Prep Type: Total**

**Prep Batch: 12C0768\_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	Limit
% Dry Solids	81.9		79.8		%		3	20

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## GCMS Volatiles

### Analysis Batch: V003761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0963-BLK1	Method Blank	Total	Water	SW846 8260B	12C0963_P
12C0963-BS1	Lab Control Sample	Total	Water	SW846 8260B	12C0963_P
12C0963-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	12C0963_P
12C0963-MS1	Matrix Spike	Total	Water	SW846 8260B	12C0963_P
12C0963-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	12C0963_P
NWC0345-07	Trip Blank	Total	Water	SW846 8260B	12C0963_P
NWC0345-08	Trip Blank 2	Total	Water	SW846 8260B	12C0963_P

### Analysis Batch: V003972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0564-BLK1	Method Blank	Total	Soil	SW846 8260B	12C0564_P
12C0564-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12C0564_P
12C0564-MS1	Matrix Spike	Total	Soil	SW846 8260B	12C0564_P
12C0564-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	12C0564_P
NWC0345-01	Tract 37 SB-3 (0-2)	Total	Soil	SW846 8260B	12C0564_P
NWC0345-02	Tract 37 SB-3 (8-12)	Total	Soil	SW846 8260B	12C0564_P
NWC0345-04	Tract 62 SB-1 (0-2)	Total	Soil	SW846 8260B	12C0564_P
NWC0345-05	Tract 62 SB-1 (8-12)	Total	Soil	SW846 8260B	12C0564_P

### Analysis Batch: V004010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C1180-BLK1	Method Blank	Total	Water	SW846 8260B	12C1180_P
12C1180-BS1	Lab Control Sample	Total	Water	SW846 8260B	12C1180_P
12C1180-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	12C1180_P
12C1180-MS1	Matrix Spike	Total	Water	SW846 8260B	12C1180_P
12C1180-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	12C1180_P
NWC0345-03	Tract 37 TW-3 (10-14)	Total	Ground Water	SW846 8260B	12C1180_P
NWC0345-06	Tract 62 TW-1 (8-12)	Total	Ground Water	SW846 8260B	12C1180_P

### Prep Batch: 12C0564\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0564-BLK1	Method Blank	Total	Soil	EPA 5035	
12C0564-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12C0564-MS1	Matrix Spike	Total	Soil	EPA 5035	
12C0564-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NWC0345-01	Tract 37 SB-3 (0-2)	Total	Soil	EPA 5035	
NWC0345-02	Tract 37 SB-3 (8-12)	Total	Soil	EPA 5035	
NWC0345-04	Tract 62 SB-1 (0-2)	Total	Soil	EPA 5035	
NWC0345-05	Tract 62 SB-1 (8-12)	Total	Soil	EPA 5035	

### Prep Batch: 12C0963\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0963-BLK1	Method Blank	Total	Water	EPA 5030B	
12C0963-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12C0963-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
12C0963-MS1	Matrix Spike	Total	Water	EPA 5030B	
12C0963-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NWC0345-07	Trip Blank	Total	Water	EPA 5030B	
NWC0345-08	Trip Blank 2	Total	Water	EPA 5030B	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## GCMS Volatiles (Continued)

### Prep Batch: 12C1180\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C1180-BLK1	Method Blank	Total	Water	EPA 5030B	
12C1180-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12C1180-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
12C1180-MS1	Matrix Spike	Total	Water	EPA 5030B	
12C1180-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NWC0345-03	Tract 37 TW-3 (10-14)	Total	Ground Water	EPA 5030B	
NWC0345-06	Tract 62 TW-1 (8-12)	Total	Ground Water	EPA 5030B	

## GCMS Semivolatiles

### Analysis Batch: 12C0563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0563-BLK1	Method Blank	Total	Soil	SW846 8270D	12C0563_P
12C0563-BS1	Lab Control Sample	Total	Soil	SW846 8270D	12C0563_P
12C0563-MS1	Tract 37 SB-3 (0-2)	Total	Soil	SW846 8270D	12C0563_P
12C0563-MSD1	Tract 37 SB-3 (0-2)	Total	Soil	SW846 8270D	12C0563_P
NWC0345-01	Tract 37 SB-3 (0-2)	Total	Soil	SW846 8270D	12C0563_P
NWC0345-02	Tract 37 SB-3 (8-12)	Total	Soil	SW846 8270D	12C0563_P
NWC0345-04	Tract 62 SB-1 (0-2)	Total	Soil	SW846 8270D	12C0563_P
NWC0345-05	Tract 62 SB-1 (8-12)	Total	Soil	SW846 8270D	12C0563_P

### Analysis Batch: 12C0573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0573-BLK1	Method Blank	Total	Water	SW846 8270D	12C0573_P
12C0573-BS1	Lab Control Sample	Total	Water	SW846 8270D	12C0573_P
NWC0345-03	Tract 37 TW-3 (10-14)	Total	Ground Water	SW846 8270D	12C0573_P
NWC0345-06	Tract 62 TW-1 (8-12)	Total	Ground Water	SW846 8270D	12C0573_P

### Prep Batch: 12C0563\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0563-BLK1	Method Blank	Total	Soil	EPA 3550C	
12C0563-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12C0563-MS1	Tract 37 SB-3 (0-2)	Total	Soil	EPA 3550C	
12C0563-MSD1	Tract 37 SB-3 (0-2)	Total	Soil	EPA 3550C	
NWC0345-01	Tract 37 SB-3 (0-2)	Total	Soil	EPA 3550C	
NWC0345-02	Tract 37 SB-3 (8-12)	Total	Soil	EPA 3550C	
NWC0345-04	Tract 62 SB-1 (0-2)	Total	Soil	EPA 3550C	
NWC0345-05	Tract 62 SB-1 (8-12)	Total	Soil	EPA 3550C	

### Prep Batch: 12C0573\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0573-BLK1	Method Blank	Total	Water	EPA 3510C	
12C0573-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NWC0345-03	Tract 37 TW-3 (10-14)	Total	Ground Water	EPA 3510C	
NWC0345-06	Tract 62 TW-1 (8-12)	Total	Ground Water	EPA 3510C	

## Metals

### Analysis Batch: 12C0753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0753-BLK1	Method Blank	Total	Soil	SW846 7471B	12C0753_P
12C0753-BS1	Lab Control Sample	Total	Soil	SW846 7471B	12C0753_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Metals (Continued)

### Analysis Batch: 12C0753 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0753-MS1	Matrix Spike	Total	Soil	SW846 7471B	12C0753_P
12C0753-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 7471B	12C0753_P
NWC0345-01	Tract 37 SB-3 (0-2)	Total	Soil	SW846 7471B	12C0753_P
NWC0345-02	Tract 37 SB-3 (8-12)	Total	Soil	SW846 7471B	12C0753_P
NWC0345-04	Tract 62 SB-1 (0-2)	Total	Soil	SW846 7471B	12C0753_P
NWC0345-05	Tract 62 SB-1 (8-12)	Total	Soil	SW846 7471B	12C0753_P

### Analysis Batch: 12C0760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0760-BLK1	Method Blank	Total	Water	SW846 7470A	12C0760_P
12C0760-BS1	Lab Control Sample	Total	Water	SW846 7470A	12C0760_P
12C0760-BSD1	Lab Control Sample Dup	Total	Water	SW846 7470A	12C0760_P
12C0760-MS1	Matrix Spike	Total	Water	SW846 7470A	12C0760_P
12C0760-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	12C0760_P
NWC0345-03	Tract 37 TW-3 (10-14)	Total	Ground Water	SW846 7470A	12C0760_P
NWC0345-06	Tract 62 TW-1 (8-12)	Total	Ground Water	SW846 7470A	12C0760_P

### Analysis Batch: 12C0764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0764-BLK1	Method Blank	Dissolved	Water	SW846 7470A	12C0764_P
12C0764-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	12C0764_P
12C0764-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	12C0764_P
12C0764-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	12C0764_P
NWC0345-03	Tract 37 TW-3 (10-14)	Dissolved	Ground Water	SW846 7470A	12C0764_P
NWC0345-06	Tract 62 TW-1 (8-12)	Dissolved	Ground Water	SW846 7470A	12C0764_P

### Analysis Batch: 12C0799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0799-BLK1	Method Blank	Total	Soil	SW846 6010C	12C0799_P
12C0799-BS1	Lab Control Sample	Total	Soil	SW846 6010C	12C0799_P
12C0799-MS1	Tract 37 SB-3 (0-2)	Total	Soil	SW846 6010C	12C0799_P
12C0799-MSD1	Tract 37 SB-3 (0-2)	Total	Soil	SW846 6010C	12C0799_P
NWC0345-01	Tract 37 SB-3 (0-2)	Total	Soil	SW846 6010C	12C0799_P
NWC0345-02	Tract 37 SB-3 (8-12)	Total	Soil	SW846 6010C	12C0799_P
NWC0345-04	Tract 62 SB-1 (0-2)	Total	Soil	SW846 6010C	12C0799_P
NWC0345-05	Tract 62 SB-1 (8-12)	Total	Soil	SW846 6010C	12C0799_P

### Analysis Batch: 12C0812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0812-BLK1	Method Blank	Total	Water	SW846 6010C	12C0812_P
12C0812-BS1	Lab Control Sample	Total	Water	SW846 6010C	12C0812_P
12C0812-MS1	Tract 37 TW-3 (10-14)	Total	Water	SW846 6010C	12C0812_P
12C0812-MSD1	Tract 37 TW-3 (10-14)	Total	Water	SW846 6010C	12C0812_P
NWC0345-03	Tract 37 TW-3 (10-14)	Total	Ground Water	SW846 6010C	12C0812_P
NWC0345-06	Tract 62 TW-1 (8-12)	Total	Ground Water	SW846 6010C	12C0812_P

### Analysis Batch: 12C0823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0823-BLK1	Method Blank	Dissolved	Water	SW846 6010C	12C0823_P
12C0823-BS1	Lab Control Sample	Dissolved	Water	SW846 6010C	12C0823_P
12C0823-MS1	Matrix Spike	Dissolved	Water	SW846 6010C	12C0823_P
12C0823-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 6010C	12C0823_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Metals (Continued)

### Analysis Batch: 12C0823 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC0345-03	Tract 37 TW-3 (10-14)	Dissolved	Ground Water	SW846 6010C	12C0823_P
NWC0345-06	Tract 62 TW-1 (8-12)	Dissolved	Ground Water	SW846 6010C	12C0823_P

### Prep Batch: 12C0753\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0753-BLK1	Method Blank	Total	Soil	EPA 7471	
12C0753-BS1	Lab Control Sample	Total	Soil	EPA 7471	
12C0753-MS1	Matrix Spike	Total	Soil	EPA 7471	
12C0753-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 7471	
NWC0345-01	Tract 37 SB-3 (0-2)	Total	Soil	EPA 7471	
NWC0345-02	Tract 37 SB-3 (8-12)	Total	Soil	EPA 7471	
NWC0345-04	Tract 62 SB-1 (0-2)	Total	Soil	EPA 7471	
NWC0345-05	Tract 62 SB-1 (8-12)	Total	Soil	EPA 7471	

### Prep Batch: 12C0760\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0760-BLK1	Method Blank	Total	Water	EPA 7470	
12C0760-BS1	Lab Control Sample	Total	Water	EPA 7470	
12C0760-BSD1	Lab Control Sample Dup	Total	Water	EPA 7470	
12C0760-MS1	Matrix Spike	Total	Water	EPA 7470	
12C0760-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NWC0345-03	Tract 37 TW-3 (10-14)	Total	Ground Water	EPA 7470	
NWC0345-06	Tract 62 TW-1 (8-12)	Total	Ground Water	EPA 7470	

### Prep Batch: 12C0764\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0764-BLK1	Method Blank	Dissolved	Water	EPA 7470	
12C0764-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
12C0764-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
12C0764-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	
NWC0345-03	Tract 37 TW-3 (10-14)	Dissolved	Ground Water	EPA 7470	
NWC0345-06	Tract 62 TW-1 (8-12)	Dissolved	Ground Water	EPA 7470	

### Prep Batch: 12C0799\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0799-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
12C0799-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
12C0799-MS1	Tract 37 SB-3 (0-2)	Total	Soil	EPA 3051A/6010	
12C0799-MSD1	Tract 37 SB-3 (0-2)	Total	Soil	EPA 3051A/6010	
NWC0345-01	Tract 37 SB-3 (0-2)	Total	Soil	EPA 3051A/6010	
NWC0345-02	Tract 37 SB-3 (8-12)	Total	Soil	EPA 3051A/6010	
NWC0345-04	Tract 62 SB-1 (0-2)	Total	Soil	EPA 3051A/6010	
NWC0345-05	Tract 62 SB-1 (8-12)	Total	Soil	EPA 3051A/6010	

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Metals (Continued)

### Prep Batch: 12C0812\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0812-BLK1	Method Blank	Total	Water	EPA 3010A / 6010	
12C0812-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6010	
12C0812-MS1	Tract 37 TW-3 (10-14)	Total	Water	EPA 3010A / 6010	
12C0812-MSD1	Tract 37 TW-3 (10-14)	Total	Water	EPA 3010A / 6010	
NWC0345-03	Tract 37 TW-3 (10-14)	Total	Ground Water	EPA 3010A / 6010	
NWC0345-06	Tract 62 TW-1 (8-12)	Total	Ground Water	EPA 3010A / 6010	

### Prep Batch: 12C0823\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0823-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C0823-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C0823-MS1	Matrix Spike	Dissolved	Water	EPA 3010A / 6010 Dissolved	
12C0823-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NWC0345-03	Tract 37 TW-3 (10-14)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NWC0345-06	Tract 62 TW-1 (8-12)	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

## Project Management

### Analysis Batch: 12C4880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC0345-01	Tract 37 SB-3 (0-2)	Total	Soil	subcontract	12C4880_P
NWC0345-02	Tract 37 SB-3 (8-12)	Total	Soil	subcontract	12C4880_P
NWC0345-03	Tract 37 TW-3 (10-14)	Total	Ground Water	subcontract	12C4880_P

### Prep Batch: 12C4880\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NWC0345-01	Tract 37 SB-3 (0-2)	Total	Soil	*** DEFAULT PREP ***	
NWC0345-02	Tract 37 SB-3 (8-12)	Total	Soil	*** DEFAULT PREP ***	
NWC0345-03	Tract 37 TW-3 (10-14)	Total	Ground Water	*** DEFAULT PREP ***	

## Extractions

### Analysis Batch: 12C0768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0768-DUP1	Tract 37 SB-3 (0-2)	Total	Soil	SW-846	12C0768_P
NWC0345-01	Tract 37 SB-3 (0-2)	Total	Soil	SW-846	12C0768_P
NWC0345-02	Tract 37 SB-3 (8-12)	Total	Soil	SW-846	12C0768_P
NWC0345-04	Tract 62 SB-1 (0-2)	Total	Soil	SW-846	12C0768_P
NWC0345-05	Tract 62 SB-1 (8-12)	Total	Soil	SW-846	12C0768_P

# QC Association Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Extractions (Continued)

### Prep Batch: 12C0768\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0768-DUP1	Tract 37 SB-3 (0-2)	Total	Soil	% Solids	
NWC0345-01	Tract 37 SB-3 (0-2)	Total	Soil	% Solids	
NWC0345-02	Tract 37 SB-3 (8-12)	Total	Soil	% Solids	
NWC0345-04	Tract 62 SB-1 (0-2)	Total	Soil	% Solids	
NWC0345-05	Tract 62 SB-1 (8-12)	Total	Soil	% Solids	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12



# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Client Sample ID: Tract 37 SB-3 (0-2)

Lab Sample ID: NWC0345-01

Date Collected: 03/01/12 11:15

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.839	12C0564_P	03/01/12 11:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003972	03/07/12 15:10	KXC	TAL NSH
Total	Prep	EPA 3550C		0.981	12C0563_P	03/05/12 05:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0563	03/05/12 22:22	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		1.00	12C0799_P	03/07/12 10:11	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0799	03/13/12 20:47	LTB	TAL NSH
Total	Prep	EPA 7471		0.96	12C0753_P	03/05/12 14:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C0753	03/06/12 11:03	MB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			12C4880_P	03/23/12 13:44	KAH	TAL NSH
Total	Analysis	subcontract		1.00	12C4880	03/23/12 13:45	KAH	TAL NSH
Total	Prep	% Solids		1.00	12C0768_P	03/05/12 11:46	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0768	03/06/12 09:34	RRS	TAL NSH

## Client Sample ID: Tract 37 SB-3 (8-12)

Lab Sample ID: NWC0345-02

Date Collected: 03/01/12 11:30

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 84

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.828	12C0564_P	03/01/12 11:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003972	03/07/12 15:41	KXC	TAL NSH
Total	Prep	EPA 3550C		0.982	12C0563_P	03/05/12 05:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0563	03/05/12 22:42	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.975	12C0799_P	03/07/12 10:11	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0799	03/13/12 21:07	LTB	TAL NSH
Total	Prep	EPA 7471		0.98	12C0753_P	03/05/12 14:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C0753	03/06/12 11:06	MB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			12C4880_P	03/23/12 13:44	KAH	TAL NSH
Total	Analysis	subcontract		1.00	12C4880	03/23/12 13:45	KAH	TAL NSH
Total	Prep	% Solids		1.00	12C0768_P	03/05/12 11:46	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0768	03/06/12 09:34	RRS	TAL NSH

## Client Sample ID: Tract 37 TW-3 (10-14)

Lab Sample ID: NWC0345-03

Date Collected: 03/01/12 11:45

Matrix: Ground Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C1180_P	03/08/12 04:58	AJF	TAL NSH
Total	Analysis	SW846 8260B		1.00	V004010	03/08/12 10:57	CMM	TAL NSH
Total	Prep	EPA 3510C		1.00	12C0573_P	03/03/12 11:00	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0573	03/03/12 22:02	KJP	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	12C0823_P	03/11/12 11:52	CXU	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	12C0823	03/12/12 16:30	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	12C0812_P	03/11/12 11:40	CXU	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0812	03/13/12 19:59	LTB	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Client Sample ID: Tract 37 TW-3 (10-14)

## Lab Sample ID: NWC0345-03

Date Collected: 03/01/12 11:45

Matrix: Ground Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	EPA 7470		1.00	12C0764_P	03/07/12 12:20	MB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12C0764	03/07/12 15:18	MB	TAL NSH
Total	Prep	EPA 7470		1.00	12C0760_P	03/05/12 11:40	ALJ	TAL NSH
Total	Analysis	SW846 7470A		1.00	12C0760	03/06/12 14:31	ALJ	TAL NSH
Total	Prep	*** DEFAULT PREP ***			12C4880_P	03/23/12 13:44	KAH	TAL NSH
Total	Analysis	subcontract		1.00	12C4880	03/23/12 13:45	KAH	TAL NSH

## Client Sample ID: Tract 62 SB-1 (0-2)

## Lab Sample ID: NWC0345-04

Date Collected: 03/01/12 14:50

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.833	12C0564_P	03/01/12 14:50	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003972	03/07/12 16:12	KXC	TAL NSH
Total	Prep	EPA 3550C		0.988	12C0563_P	03/05/12 05:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0563	03/05/12 23:01	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.962	12C0799_P	03/07/12 10:11	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0799	03/13/12 21:10	LTB	TAL NSH
Total	Prep	EPA 7471		0.96	12C0753_P	03/05/12 14:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C0753	03/06/12 11:08	MB	TAL NSH
Total	Prep	% Solids		1.00	12C0768_P	03/05/12 11:46	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0768	03/06/12 09:34	RRS	TAL NSH

## Client Sample ID: Tract 62 SB-1 (8-12)

## Lab Sample ID: NWC0345-05

Date Collected: 03/01/12 15:00

Matrix: Soil

Date Received: 03/02/12 08:20

Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.833	12C0564_P	03/01/12 15:00	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003972	03/07/12 16:42	KXC	TAL NSH
Total	Prep	EPA 3550C		0.987	12C0563_P	03/05/12 05:30	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0563	03/05/12 23:21	KJP	TAL NSH
Total	Prep	EPA 3051A/6010		0.984	12C0799_P	03/07/12 10:11	NLI	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0799	03/13/12 21:13	LTB	TAL NSH
Total	Prep	EPA 7471		0.96	12C0753_P	03/05/12 14:30	MB	TAL NSH
Total	Analysis	SW846 7471B		1.0	12C0753	03/06/12 11:14	MB	TAL NSH
Total	Prep	% Solids		1.00	12C0768_P	03/05/12 11:46	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0768	03/06/12 09:34	RRS	TAL NSH

# Lab Chronicle

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

## Client Sample ID: Tract 62 TW-1 (8-12)

## Lab Sample ID: NWC0345-06

Date Collected: 03/01/12 15:15

Matrix: Ground Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C1180_P	03/08/12 04:58	AJF	TAL NSH
Total	Analysis	SW846 8260B		1.00	V004010	03/08/12 11:24	CMM	TAL NSH
Total	Prep	EPA 3510C		0.952	12C0573_P	03/03/12 11:00	MWT	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0573	03/03/12 22:22	KJP	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	12C0823_P	03/11/12 11:52	CXU	TAL NSH
Dissolved	Analysis	SW846 6010C		1.00	12C0823	03/12/12 16:33	LTB	TAL NSH
Total	Prep	EPA 3010A / 6010		1.00	12C0812_P	03/11/12 11:40	CXU	TAL NSH
Total	Analysis	SW846 6010C		1.00	12C0812	03/13/12 20:08	LTB	TAL NSH
Dissolved	Prep	EPA 7470		1.00	12C0764_P	03/07/12 12:20	MB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	12C0764	03/07/12 15:20	MB	TAL NSH
Total	Prep	EPA 7470		1.00	12C0760_P	03/05/12 11:40	ALJ	TAL NSH
Total	Analysis	SW846 7470A		1.00	12C0760	03/06/12 14:33	ALJ	TAL NSH

## Client Sample ID: Trip Blank

## Lab Sample ID: NWC0345-07

Date Collected: 03/01/12 00:01

Matrix: Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C0963_P	03/04/12 14:44	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003761	03/04/12 19:23	CMM	TAL NSH

## Client Sample ID: Trip Blank 2

## Lab Sample ID: NWC0345-08

Date Collected: 03/01/12 00:01

Matrix: Water

Date Received: 03/02/12 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12C0963_P	03/04/12 14:44	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003761	03/04/12 19:51	CMM	TAL NSH

### Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Method Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

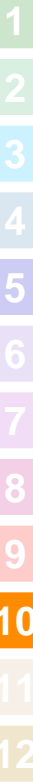
TestAmerica Job ID: NWC0345

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Semivolatile Organic Compounds by EPA Method 8270D		TAL NSH
SW846 6010C	Total Metals by EPA 6010C		TAL NSH
SW846 6010C	Dissolved Metals by Method 6010C		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7471B	Mercury by EPA Method 7471B		TAL NSH
subcontract	Subcontracted Analysis		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Certification Summary

Client: S&ME, Inc. (2420)  
Project/Site: 1131-08-554

TestAmerica Job ID: NWC0345

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

**H2C020432 Analytical Report ..... 1**  
**Sample Receipt Documentation ..... 25**  
**Total Number of Pages ..... 39**



**ANALYTICAL REPORT**

PROJECT NO. 1131-08-554

Port Access Road

Lot #: H2C020432

Ken Hayes

TestAmerica Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204

TESTAMERICA LABORATORIES, INC.



Courtney M. Adkins  
Project Manager

March 22, 2012





# ANALYTICAL METHODS SUMMARY

H2C020432

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Dibenzodioxins and Dibenzofurans, HRGC/HRMS	SW846 8290A
Percent Moisture	MCAWW 160.3 MOD

**References:**

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.



## SAMPLE SUMMARY

H2C020432

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
MQ7JT	009	TRACT 37	SB-3 (0-2)	03/01/12	11:15
MQ7JV	010	TRACT 37	SB-3 (8-12)	03/01/12	11:30
MQ7JW	011	TRACT 37	TW-3 (10-14)	03/01/12	11:45

**NOTE (S) :**

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.



## PROJECT NARRATIVE H2C020432

The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

### Comments

Per client request samples 009-011 are included in this report.

**The original chain of custody documentation is included with this report.**

### Sample Receipt

There were no problems with the condition of the samples received.

### Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

All positive 2378-TCDF results at or above the minimum level were confirmed on a DB-225 column.

The following flags are used to qualify results for chlorinated dioxin and furan results:

**J** – The reported result is an estimate. The amount reported is below the Minimum Level (ML). The qualitative definition of the ML is “the lowest level at which the analytical system must give a reliable signal and an acceptable calibration point”. The ML was introduced in EPA Methods 1624 and 1625 in 1980 and was promulgated in these methods in 1984 at 40 CFR Part 136, Appendix A. For the purposes of this report, the ML is qualitatively defined as described above, and quantitatively defined as follows:

**Minimum Level:** The concentration or mass of analyte in the sample that corresponds to the lowest calibration level in the initial calibration. It represents a concentration (in the sample extract) equivalent to that of the lowest calibration standard, after corrections for method-specified sample weights, volumes and cleanup procedures has been employed.

Example: The lowest calibration level for TCDD in the initial calibration is 0.5 pg/uL. A mass of 10 pg of 2,3,7,8-TCDD in the sample would result in a concentration of 0.5 pg/uL in the sample extract (at a final volume of 20 uL). Since the concentration in the sample extract corresponds to the concentration in the lowest calibration standard, the 10 pg mass in the sample components is the ML. If the sample extract is further diluted, the ML will increase by the dilution factor.

Example: A 1/10 dilution is performed on the sample extract described above. The ML for 2,3,7,8-TCDD becomes 100 pg rather than the default of 10 pg.

## PROJECT NARRATIVE H2C020432

**E** – The reported result is an estimate. The amount reported is above the Upper Calibration Level (UCL) described below. The quantitative definition of the UCL is listed below:

**Upper Calibration Level:** The concentration or mass of analyte in the sample that corresponds to the highest calibration level in the initial calibration. It is equivalent to the concentration of the highest calibration standard, assuming that all method-specified sample weights, volumes, and cleanup procedures have been employed.

Example: The maximum calibration level for TCDD in the initial calibration is 200 pg/uL. A mass of 4000 pg of 2,3,7,8-TCDD in the sampling components would result in a concentration of 200 pg/uL in the sample extract (at a final volume of 20 uL). Since the concentration in the sample extract corresponds to the concentration in the highest calibration standard, the 4000 pg mass in the sample components is the UCL. If the sample extract is further diluted, the ML will increase by the dilution factor.

Example: A 1/10 dilution is performed on the sample extract described above. The UCL for 2,3,7,8-TCDD becomes 40,000 pg rather than the default of 4000 pg. In this example, all positive 2,3,7,8-TCDD results above 40,000 pg are flagged with an E.

**B** – The analyte is present in the associated method blank at a detectable level. For this analysis, there is no method specified reporting level other than the qualitative criterion that peaks must exhibit a signal-to-noise ratio of  $\geq 2.5$  to 1. Therefore, the presence of any reportable amount of the analyte in the blank will result in a B qualifier on all associated samples.

**Q** – Estimated maximum possible concentration. This qualifier is used when the result is generated from chromatographic data that does not meet all the qualitative criteria for a positive identification given in the method. These criteria include the following:

- Ion abundance ratios must be within specified limits (+/-15% of theoretical ion abundance ratio).
- Retention time criteria (relative to the method-specified isotope labeled retention time standard).
- Co-maximization criterion. The two quantitation ion peaks must reach their maxima within 2 seconds of each other.
- Polychlorinated dibenzofuran purity. No peak can be identified as a polychlorinated dibenzofuran if a polychlorinated diphenyl ether peak maximizes within +/- 2 seconds of the furan candidate.

**S** – Ion suppression evident. The trace indicating the signal from the lock mass of the calibration compound shows a deflection at the retention time of the analyte. This may indicate a temporary suppression of the instrument sensitivity due to a matrix-borne interference.

**C** – Coeluting Isomer. The isomer is known to coelute with another member of its homologue group, or the peak shape is shouldered, indicating the likelihood of a coeluting isomer.

**PROJECT NARRATIVE  
H2C020432**

**X** – Other. See explanation in narrative.

Laboratory studies supporting risk assessment and Total Maximum Daily Load (TMDL) evaluations, frequently use qualified data reported as low as the Method Detection Limit (MDL), or the Estimated Detection Limit (EDL). Several of EPA's isotope dilution methods employ the EDL.<sup>1,2,3</sup> The EDL is based on a direct measurement of the signal-to-noise (S/N) ratio acquired during sample analysis. This S/N measurement is used to calculate the concentration in the sample corresponding to the minimum intensity of the smallest quantifiable peak. The EDL reflects the amount of the particular analyte which would be required to cause a positive result for the particular analysis. Because the S/N obtained covaries with recovery, instrument sensitivity and sample-specific cleanup efficacy, the EDL is a more valid measure of the sensitivity of the entire analytical process for the specific sample than is an MDL run periodically on a reference matrix.

The EDL is typically calculated according to the following equation:

$$\text{Estimated Detection Limit} = \frac{N \times 2.5 \times Q_{is}}{H_{is} \times RRF \times W \times S}$$

Where:

- N = peak to peak noise of quantitation ion signal in the region of the ion chromatogram where the compound of interest is expected to elute
- H<sub>is</sub> = peak height of quantitation ion for appropriate internal standard
- Q<sub>is</sub> = ng of internal standard added to sample
- RRF = mean relative response factor of compound obtained during initial calibration
- W = amount of sample extracted (grams or liters)
- S = percent solids (optional, if results are requested to be reported on dry weight basis)

(The area of the internal standard is sometimes used instead of height, along with an area-to-height conversion factor.)

This method of estimating the detection limit differs from the MDL in that it does not carry the requirement that the sample be statistically distinguished as being from a contaminated population. As results approach the EDL, the risk of false positives and the analytical uncertainty increase significantly. However, a low false positive well below the ML or MDL is often closer to the true value than an assumption that the target analyte is present at the detection or reporting limits. For relatively clean samples, MDL studies may give an elevated estimate of the detection limit. Additionally, on contaminated samples, the MDL may give a falsely low estimate of the detection limit.

$$\text{Analyte Concentration} = \frac{A_s \times Q_{is}}{A_{is} \times RRF \times W \times S}$$

Where:

- A<sub>s</sub> = Sum of areas of the target peaks
- Q<sub>is</sub> = ng of internal standard added to sample

## PROJECT NARRATIVE H2C020432

Ais	=	Sum of areas of the internal standard peaks
RRF	=	mean relative response factor of compound obtained during initial calibration
W	=	amount of sample extracted (grams or liters)
S	=	percent solids (optional, if results are requested to be reported on dry weight basis)

In sample data, peaks must have an intensity of  $\geq 2.5$  times the height of the background noise in order to be considered. Careful examination of the two equations above reveals that for the concentration of the smallest peak detectable (per the EDL equation) to exactly equal the smallest peaks that are calculated, requires that the average height to area ratio obtained during the calibration must equal the area to height ratio for every peak obtained near 2.5 times the noise. When the area to height ratio on a peak in a sample is less than the average obtained during calibration, the calculated result will correspond to a peak that would have been less than 2.5 times the noise on the calibration. This is the result of normal variability. Because the source methods for the EDL (SW-846 8290 and 8280A) do not provide for censoring of results by any other magnitude standard than being 2.5 times the noise, the laboratory does not censor at the calculated EDL. Hence, detections may be reported below the estimated detection limits.

### Footnotes:

1. Code of Federal Regulations, Part 136, Chapter 1, Appendix 1, October 1994: Method 1613 Tetra- Through Octa-Chlorinated Dioxins and Furans by Isotope Dilution High Resolution Gas Chromatography/High Resolution Mass Spectrometry.
2. U.S. EPA. Test Methods for Evaluating Solid Waste, Volume II, SW-846, Update III, December 1996. Method 8280A: The Analysis of Polychlorinated Dibenzop-Dioxins and Polychlorinated Dibenzofurans by High Resolution Gas Chromatography/Low Resolution Mass Spectrometry.
3. U.S. EPA. Test Methods for Evaluating Solid Waste, SW-846. Third Edition. March 1995 Method 8290: Polychlorinated Dibenzop-Dioxins and Polychlorinated Dibenzofurans by High Resolution Gas Chromatography/High Resolution Mass Spectrometry.

## CERTIFICATION SUMMARY

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Knoxville	ACLASS	DoD ELAP		ADE-1434
TestAmerica Knoxville	Arkansas	State Program	6	88-0688
TestAmerica Knoxville	California	State Program	9	2423
TestAmerica Knoxville	Colorado	State Program	8	N/A
TestAmerica Knoxville	Connecticut	State Program	1	PH-0223
TestAmerica Knoxville	Florida	NELAC	4	E87177
TestAmerica Knoxville	Georgia	State Program	4	906
TestAmerica Knoxville	Hawaii	State Program	9	N/A
TestAmerica Knoxville	Indiana	State Program	5	C-TN-02
TestAmerica Knoxville	Iowa	State Program	7	375
TestAmerica Knoxville	Kansas	NELAC	7	E-10349
TestAmerica Knoxville	Kentucky	State Program	4	90101
TestAmerica Knoxville	Louisiana	NELAC	6	LA110001
TestAmerica Knoxville	Louisiana	NELAC	6	83979
TestAmerica Knoxville	Maryland	State Program	3	277
TestAmerica Knoxville	Michigan	State Program	5	9933
TestAmerica Knoxville	Minnesota	NELAC	5	047-999-429
TestAmerica Knoxville	Nevada	State Program	9	TN00009
TestAmerica Knoxville	New Jersey	NELAC	2	TN001
TestAmerica Knoxville	New York	NELAC	2	10781
TestAmerica Knoxville	North Carolina	North Carolina DENR	4	64
TestAmerica Knoxville	North Carolina	North Carolina PHL	4	21705
TestAmerica Knoxville	Ohio	OVAP	5	CL0059
TestAmerica Knoxville	Oklahoma	State Program	6	9415
TestAmerica Knoxville	Pennsylvania	NELAC	3	68-00576
TestAmerica Knoxville	South Carolina	State Program	4	84001
TestAmerica Knoxville	Tennessee	State Program	4	2014
TestAmerica Knoxville	Texas	NELAC	6	T104704380-TX
TestAmerica Knoxville	USDA	USDA		P330-11-00035
TestAmerica Knoxville	Utah	NELAC	8	QUAN3
TestAmerica Knoxville	Virginia	State Program	3	165
TestAmerica Knoxville	Washington	State Program	10	C593
TestAmerica Knoxville	West Virginia	West Virginia DEP	3	345
TestAmerica Knoxville	West Virginia	West Virginia DHHR (DW)	3	9955C
TestAmerica Knoxville	Wisconsin	State Program	5	998044300

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

# QC DATA ASSOCIATION SUMMARY

H2C020432

## Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
002	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
003	WATER	SW846 8290A		2072025	
004	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
005	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
006	WATER	SW846 8290A		2072025	
007	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
008	WATER	SW846 8290A		2072025	
009	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
010	SOLID	SW846 8290A		2066035	
	SOLID	MCAWW 160.3 MOD		2065029	
011	WATER	SW846 8290A		2072025	

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-3(0-2)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 009	<b>Work Order #....:</b>	MQ7JT1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	03/01/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	12
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	10.2 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

<u>PARAMETER</u>	<u>RESULT</u>	<u>MINIMUM LEVEL</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	1.1	0.21	pg/g
1,2,3,7,8-PeCDD	0.26 Q J	5.6	0.11	pg/g
1,2,3,4,7,8-HxCDD	0.24 Q J	5.6	0.085	pg/g
1,2,3,6,7,8-HxCDD	0.67 J	5.6	0.085	pg/g
1,2,3,7,8,9-HxCDD	0.87 J	5.6	0.080	pg/g
1,2,3,4,6,7,8-HpCDD	8.4	5.6	0.087	pg/g
OCDD	100 B	11	0.10	pg/g
1,2,3,7,8-PeCDF	1.3 J	5.6	0.099	pg/g
2,3,4,7,8-PeCDF	1.4 J	5.6	0.096	pg/g
1,2,3,4,7,8-HxCDF	2.6 J	5.6	0.055	pg/g
1,2,3,6,7,8-HxCDF	1.4 J	5.6	0.052	pg/g
2,3,4,6,7,8-HxCDF	1.8 J	5.6	0.059	pg/g
1,2,3,7,8,9-HxCDF	0.089 Q J	5.6	0.072	pg/g
1,2,3,4,6,7,8-HpCDF	8.3	5.6	0.059	pg/g
1,2,3,4,7,8,9-HpCDF	0.90 J	5.6	0.084	pg/g
OCDF	4.5 B J	11	0.082	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	99	40 - 135
13C-1,2,3,4,7,8-HxCDD	86	40 - 135
13C-1,2,3,6,7,8-HxCDD	70	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	86	40 - 135
13C-OCDD	82	40 - 135
13C-1,2,3,7,8-PeCDF	94	40 - 135
13C-2,3,4,7,8-PeCDF	92	40 - 135
13C-1,2,3,4,7,8-HxCDF	75	40 - 135
13C-1,2,3,6,7,8-HxCDF	66	40 - 135
13C-2,3,4,6,7,8-HxCDF	72	40 - 135
13C-1,2,3,7,8,9-HxCDF	64	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	73	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	79	40 - 135



**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-3(0-2)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 009	<b>Work Order #....:</b>	MQ7JT1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	03/01/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	12
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	10.2 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

Sample results, minimum levels, and estimated detection limits are reported on a dry weight basis and have been adjusted for percent moisture.

**QUALIFIERS**

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

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**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-3(0-2)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b> H2C020432 - 009	<b>Work Order #....:</b> MQ7JT1AD	<b>Matrix....:</b> SOLID
<b>Date Sampled....:</b> 03/01/12	<b>Date Received....:</b> 03/02/12	<b>Dilution Factor:</b> 1
<b>Prep Date....:</b> 03/06/12	<b>Analysis Date....:</b> 03/21/12	<b>Percent Moisture</b> 12
<b>Prep Batch # ....:</b> 2066035		
<b>Initial Wgt/Vol :</b> 10.2 g	<b>Instrument ID....:</b> D12C	<b>Method:</b> SW846 8290A
<b>Analyst ID....:</b> Kenneya L. Wilson		

**Confirmation Run**

<u>PARAMETER</u>	<u>RESULT</u>	<u>MINIMUM LEVEL</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDF	1.5	1.1	0.099	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDF	94	40 - 135

Sample results, minimum levels, and estimated detection limits are reported on a dry weight basis and have been adjusted for percent moisture.

**QUALIFIERS**

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-3(8-12)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 010	<b>Work Order #....:</b>	MQ7JV1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	03/01/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	14
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	10.4 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

<u>PARAMETER</u>	<u>RESULT</u>	<u>MINIMUM LEVEL</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	1.1	0.26	pg/g
1,2,3,7,8-PeCDD	ND	5.6	0.13	pg/g
1,2,3,4,7,8-HxCDD	ND	5.6	0.087	pg/g
1,2,3,6,7,8-HxCDD	ND	5.6	0.088	pg/g
1,2,3,7,8,9-HxCDD	ND	5.6	0.082	pg/g
<b>1,2,3,4,6,7,8-HpCDD</b>	<b>2.4</b>	<b>5.6</b>	<b>0.13</b>	<b>pg/g</b>
<b>OCDD</b>	<b>39</b>	<b>11</b>	<b>0.13</b>	<b>pg/g</b>
2,3,7,8-TCDF	ND	1.1	0.16	pg/g
1,2,3,7,8-PeCDF	ND	5.6	0.087	pg/g
2,3,4,7,8-PeCDF	ND	5.6	0.083	pg/g
1,2,3,4,7,8-HxCDF	ND	5.6	0.058	pg/g
1,2,3,6,7,8-HxCDF	ND	5.6	0.060	pg/g
2,3,4,6,7,8-HxCDF	ND	5.6	0.063	pg/g
1,2,3,7,8,9-HxCDF	ND	5.6	0.082	pg/g
<b>1,2,3,4,6,7,8-HpCDF</b>	<b>0.16</b>	<b>5.6</b>	<b>0.087</b>	<b>pg/g</b>
1,2,3,4,7,8,9-HpCDF	ND	5.6	0.12	pg/g
OCDF	ND	11	0.12	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	88	40 - 135
13C-1,2,3,7,8-PeCDD	98	40 - 135
13C-1,2,3,4,7,8-HxCDD	89	40 - 135
13C-1,2,3,6,7,8-HxCDD	72	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	84	40 - 135
13C-OCDD	75	40 - 135
13C-2,3,7,8-TCDF	85	40 - 135
13C-1,2,3,7,8-PeCDF	95	40 - 135
13C-2,3,4,7,8-PeCDF	94	40 - 135
13C-1,2,3,4,7,8-HxCDF	78	40 - 135
13C-1,2,3,6,7,8-HxCDF	67	40 - 135
13C-2,3,4,6,7,8-HxCDF	76	40 - 135
13C-1,2,3,7,8,9-HxCDF	65	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	74	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	77	40 - 135

**TestAmerica Nashville**  
**Sample ID: TRACT 37 SB-3(8-12)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 010	<b>Work Order #....:</b>	MQ7JV1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	03/01/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/06/12	<b>Analysis Date....:</b>	03/20/12	<b>Percent Moisture</b>	14
<b>Prep Batch # ....:</b>	2066035				
<b>Initial Wgt/Vol :</b>	10.4 g	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Patricia(Trish) M. Parsly				

Sample results, minimum levels, and estimated detection limits are reported on a dry weight basis and have been adjusted for percent moisture.

**QUALIFIERS**

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

**TestAmerica Nashville**  
**Sample ID: TRACT 37 TW-3(10-14)**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 011	<b>Work Order #....:</b>	MQ7JW1AA	<b>Matrix....:</b>	WATER
<b>Date Sampled....:</b>	03/01/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/12/12	<b>Analysis Date....:</b>	03/21/12		
<b>Prep Batch # ....:</b>	2072025				
<b>Initial Wgt/Vol :</b>	1040 mL	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Kathryn B. Lay				

<u>PARAMETER</u>	<u>RESULT</u>	<u>MINIMUM LEVEL</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	9.6	2.3	pg/L
1,2,3,7,8-PeCDD	ND	48	1.2	pg/L
1,2,3,4,7,8-HxCDD	ND	48	0.95	pg/L
1,2,3,6,7,8-HxCDD	ND	48	0.98	pg/L
1,2,3,7,8,9-HxCDD	ND	48	0.91	pg/L
1,2,3,4,6,7,8-HpCDD	ND	48	1.4	pg/L
<b>OCDD</b>	<b>7.8</b>	<b>96</b>	<b>1.2</b>	<b>pg/L</b>
2,3,7,8-TCDF	ND	9.6	1.5	pg/L
1,2,3,7,8-PeCDF	ND	48	0.79	pg/L
2,3,4,7,8-PeCDF	ND	48	0.76	pg/L
1,2,3,4,7,8-HxCDF	ND	48	0.62	pg/L
1,2,3,6,7,8-HxCDF	ND	48	0.66	pg/L
2,3,4,6,7,8-HxCDF	ND	48	0.71	pg/L
1,2,3,7,8,9-HxCDF	ND	48	0.69	pg/L
1,2,3,4,6,7,8-HpCDF	ND	48	0.75	pg/L
1,2,3,4,7,8,9-HpCDF	ND	48	1.1	pg/L
OCDF	ND	96	1.2	pg/L

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	103	40 - 135
13C-1,2,3,7,8-PeCDD	115	40 - 135
13C-1,2,3,4,7,8-HxCDD	95	40 - 135
13C-1,2,3,6,7,8-HxCDD	75	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	90	40 - 135
13C-OCDD	83	40 - 135
13C-2,3,7,8-TCDF	96	40 - 135
13C-1,2,3,7,8-PeCDF	119	40 - 135
13C-2,3,4,7,8-PeCDF	108	40 - 135
13C-1,2,3,4,7,8-HxCDF	85	40 - 135
13C-1,2,3,6,7,8-HxCDF	71	40 - 135
13C-2,3,4,6,7,8-HxCDF	78	40 - 135
13C-1,2,3,7,8,9-HxCDF	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	84	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	85	40 - 135

**TestAmerica Nashville****Sample ID: TRACT 37 TW-3(10-14)****Trace Level Organic Compounds**

<b>Lot - Sample #....:</b>	H2C020432 - 011	<b>Work Order #....:</b>	MQ7JW1AA	<b>Matrix....:</b>	WATER
<b>Date Sampled....:</b>	03/01/12	<b>Date Received....:</b>	03/02/12	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	03/12/12	<b>Analysis Date....:</b>	03/21/12		
<b>Prep Batch # ....:</b>	2072025				
<b>Initial Wgt/Vol :</b>	1040 mL	<b>Instrument ID....:</b>	M2A	<b>Method:</b>	SW846 8290A
<b>Analyst ID....:</b>	Kathryn B. Lay				

**QUALIFIERS**

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.

**Method Blank Report**  
**Trace Level Organic Compounds**

Lot - Sample #....: H2C060000 - 035B      Work Order #....: MQ8V61AA      Matrix....: SOLID  
 Dilution Factor: 1  
 Prep Date....: 03/06/12      Analysis Date....: 03/16/12      Percent Moisture: 0.0  
 Prep Batch # ....: 2066035  
 Initial Wgt/Vol : 10 g      Instrument ID....: M2A      Method: SW846 8290A  
 Analyst ID....: Kathryn B. Lay

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		1.0	0.33	pg/g
1,2,3,7,8-PeCDD	ND		5.0	0.18	pg/g
1,2,3,4,7,8-HxCDD	ND		5.0	0.12	pg/g
1,2,3,6,7,8-HxCDD	ND		5.0	0.13	pg/g
1,2,3,7,8,9-HxCDD	ND		5.0	0.12	pg/g
1,2,3,4,6,7,8-HpCDD	ND		5.0	0.14	pg/g
<b>OCDD</b>	<b>0.66</b>	<b>Q J</b>	<b>10</b>	<b>0.16</b>	<b>pg/g</b>
2,3,7,8-TCDF	ND		1.0	0.21	pg/g
1,2,3,7,8-PeCDF	ND		5.0	0.13	pg/g
2,3,4,7,8-PeCDF	ND		5.0	0.12	pg/g
1,2,3,4,7,8-HxCDF	ND		5.0	0.087	pg/g
1,2,3,6,7,8-HxCDF	ND		5.0	0.082	pg/g
2,3,4,6,7,8-HxCDF	ND		5.0	0.093	pg/g
1,2,3,7,8,9-HxCDF	ND		5.0	0.10	pg/g
1,2,3,4,6,7,8-HpCDF	ND		5.0	0.13	pg/g
1,2,3,4,7,8,9-HpCDF	ND		5.0	0.19	pg/g
<b>OCDF</b>	<b>0.59</b>	<b>J</b>	<b>10</b>	<b>0.13</b>	<b>pg/g</b>

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	94	40 - 135
13C-1,2,3,4,7,8-HxCDD	86	40 - 135
13C-1,2,3,6,7,8-HxCDD	68	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	82	40 - 135
13C-OCDD	76	40 - 135
13C-2,3,7,8-TCDF	79	40 - 135
13C-1,2,3,7,8-PeCDF	87	40 - 135
13C-2,3,4,7,8-PeCDF	84	40 - 135
13C-1,2,3,4,7,8-HxCDF	71	40 - 135
13C-1,2,3,6,7,8-HxCDF	62	40 - 135
13C-2,3,4,6,7,8-HxCDF	68	40 - 135
13C-1,2,3,7,8,9-HxCDF	68	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	71	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	68	40 - 135

**Method Blank Report**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b> H2C060000 - 035B	<b>Work Order #....:</b> MQ8V61AA	<b>Matrix....:</b> SOLID
<b>Dilution Factor:</b> 1		
<b>Prep Date....:</b> 03/06/12	<b>Analysis Date....:</b> 03/16/12	<b>Percent Moisture:</b> 0.0
<b>Prep Batch # ....:</b> 2066035		
<b>Initial Wgt/Vol :</b> 10 g	<b>Instrument ID....:</b> M2A	<b>Method:</b> SW846 8290A
<b>Analyst ID....:</b> Kathryn B. Lay		

**QUALIFIERS**

- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).



## LABORATORY CONTROL SAMPLE DATA REPORT

## Trace Level Organic Compounds

Client Lot # ...: H2C020432      Work Order # ...: MQ8V61AC-LCS      Matrix .....: SOLID  
 LCS Lot-Sample#: H2C060000 - 035      Work Order # ...: MQ8V61AD-LCSD  
 Prep Date .....: 03/06/12      Analysis Date ..: 03/16/12  
 Prep Batch # ...: 2066035  
 Dilution Factor : 1  
 Analyst ID.....: Kathryn B. Lay      Instrument ID.: M2A      Method.....: SW846 8290A  
 Initial Wgt/Vol: 10 g

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	20.0	20.1	pg/g	100	(72 - 123)		
	20.0	20.9	pg/g	104	(72 - 123)	3.9	(0 - 15)
1,2,3,7,8-PeCDD	100	99.5	pg/g	99	(72 - 122)		
	100	101	pg/g	101	(72 - 122)	1.6	(0 - 15)
1,2,3,4,7,8-HxCDD	100	96.5	pg/g	97	(65 - 115)		
	100	97.0	pg/g	97	(65 - 115)	0.46	(0 - 15)
1,2,3,6,7,8-HxCDD	100	94.6	pg/g	95	(82 - 143)		
	100	92.5	pg/g	93	(82 - 143)	2.2	(0 - 15)
1,2,3,7,8,9-HxCDD	100	98.9	pg/g	99	(75 - 125)		
	100	97.5	pg/g	97	(75 - 125)	1.4	(0 - 15)
1,2,3,4,6,7,8-HpCDD	100	92.3	pg/g	92	(80 - 130)		
	100	95.8	pg/g	96	(80 - 130)	3.7	(0 - 15)
OCDD	200	188	pg/g	94	(86 - 136)		
	200	192	pg/g	96	(86 - 136)	2.0	(0 - 15)
2,3,7,8-TCDF	20.0	19.0	pg/g	95	(75 - 125)		
	20.0	19.3	pg/g	97	(75 - 125)	1.5	(0 - 15)
1,2,3,7,8-PeCDF	100	97.1	pg/g	97	(77 - 127)		
	100	94.3	pg/g	94	(77 - 127)	2.9	(0 - 15)
2,3,4,7,8-PeCDF	100	96.4	pg/g	96	(71 - 121)		
	100	95.4	pg/g	95	(71 - 121)	1.0	(0 - 15)
1,2,3,4,7,8-HxCDF	100	98.4	pg/g	98	(77 - 127)		
	100	96.9	pg/g	97	(77 - 127)	1.6	(0 - 15)
1,2,3,6,7,8-HxCDF	100	97.2	pg/g	97	(74 - 124)		
	100	97.9	pg/g	98	(74 - 124)	0.67	(0 - 15)
2,3,4,6,7,8-HxCDF	100	97.6	pg/g	98	(78 - 128)		
	100	97.5	pg/g	97	(78 - 128)	0.17	(0 - 15)
1,2,3,7,8,9-HxCDF	100	101	pg/g	101	(74 - 124)		
	100	96.5	pg/g	97	(74 - 124)	4.5	(0 - 15)
1,2,3,4,6,7,8-HpCDF	100	91.4	pg/g	91	(83 - 133)		
	100	92.9	pg/g	93	(83 - 133)	1.6	(0 - 15)
1,2,3,4,7,8,9-HpCDF	100	95.5	pg/g	95	(75 - 125)		
	100	96.7	pg/g	97	(75 - 125)	1.3	(0 - 15)
OCDF	200	174	pg/g	87	(58 - 139)		
	200	177	pg/g	89	(58 - 139)	1.7	(0 - 15)
INTERNAL STANDARD				PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD				88	(40 - 135)		
				83	(40 - 135)		
13C-1,2,3,7,8-PeCDD				100	(40 - 135)		
				90	(40 - 135)		
13C-1,2,3,4,7,8-HxCDD				84	(40 - 135)		

**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

Client Lot # ...: H2C020432  
LCS Lot-Sample#: H2C060000 - 035

Work Order # ...: MQ8V61AC-LCS  
MQ8V61AD-LCSD

Matrix .....: SOLID

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
	84	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	69	(40 - 135)
	69	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	93	(40 - 135)
	89	(40 - 135)
13C-OCDD	94	(40 - 135)
	86	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
	76	(40 - 135)
13C-1,2,3,7,8-PeCDF	90	(40 - 135)
	81	(40 - 135)
13C-2,3,4,7,8-PeCDF	90	(40 - 135)
	83	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	70	(40 - 135)
	72	(40 - 135)
13C-1,2,3,6,7,8-HxCDF	62	(40 - 135)
	62	(40 - 135)
13C-2,3,4,6,7,8-HxCDF	71	(40 - 135)
	70	(40 - 135)
13C-1,2,3,7,8,9-HxCDF	71	(40 - 135)
	69	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	76	(40 - 135)
	76	(40 - 135)
13C-1,2,3,4,7,8,9-HpCDF	78	(40 - 135)
	76	(40 - 135)

**Notes:**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

**Method Blank Report**  
**Trace Level Organic Compounds**

Lot - Sample #....: H2C120000 - 025B      Work Order #....: MRCP11AA      Matrix....: WATER  
 Dilution Factor: 1  
 Prep Date....: 03/12/12      Analysis Date....: 03/21/12  
 Prep Batch # ....: 2072025  
 Initial Wgt/Vol : 1000 mL      Instrument ID....: M2A      Method: SW846 8290A  
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		10	2.4	pg/L
1,2,3,7,8-PeCDD	ND		50	1.5	pg/L
1,2,3,4,7,8-HxCDD	ND		50	1.1	pg/L
1,2,3,6,7,8-HxCDD	ND		50	1.2	pg/L
1,2,3,7,8,9-HxCDD	ND		50	1.1	pg/L
1,2,3,4,6,7,8-HpCDD	ND		50	1.5	pg/L
<b>OCDD</b>	<b>2.2</b>	<b>J</b>	<b>100</b>	<b>1.2</b>	<b>pg/L</b>
2,3,7,8-TCDF	ND		10	1.7	pg/L
1,2,3,7,8-PeCDF	ND		50	1.1	pg/L
2,3,4,7,8-PeCDF	ND		50	0.97	pg/L
1,2,3,4,7,8-HxCDF	ND		50	0.78	pg/L
1,2,3,6,7,8-HxCDF	ND		50	0.74	pg/L
2,3,4,6,7,8-HxCDF	ND		50	0.79	pg/L
1,2,3,7,8,9-HxCDF	ND		50	0.82	pg/L
1,2,3,4,6,7,8-HpCDF	ND		50	0.89	pg/L
1,2,3,4,7,8,9-HpCDF	ND		50	1.2	pg/L
<b>OCDF</b>	<b>2.7</b>	<b>J</b>	<b>100</b>	<b>1.4</b>	<b>pg/L</b>

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	98	40 - 135
13C-1,2,3,7,8-PeCDD	109	40 - 135
13C-1,2,3,4,7,8-HxCDD	96	40 - 135
13C-1,2,3,6,7,8-HxCDD	77	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	96	40 - 135
13C-OCDD	88	40 - 135
13C-2,3,7,8-TCDF	94	40 - 135
13C-1,2,3,7,8-PeCDF	99	40 - 135
13C-2,3,4,7,8-PeCDF	100	40 - 135
13C-1,2,3,4,7,8-HxCDF	78	40 - 135
13C-1,2,3,6,7,8-HxCDF	70	40 - 135
13C-2,3,4,6,7,8-HxCDF	84	40 - 135
13C-1,2,3,7,8,9-HxCDF	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	81	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	93	40 - 135

**Method Blank Report**  
**Trace Level Organic Compounds**

<b>Lot - Sample #....:</b> H2C120000 - 025B	<b>Work Order #....:</b> MRCP11AA	<b>Matrix....:</b> WATER
<b>Dilution Factor:</b> 1		
<b>Prep Date....:</b> 03/12/12	<b>Analysis Date....:</b> 03/21/12	
<b>Prep Batch # ....:</b> 2072025		
<b>Initial Wgt/Vol :</b> 1000 mL	<b>Instrument ID....:</b> M2A	<b>Method:</b> SW846 8290A
<b>Analyst ID....:</b> Patricia(Trish) M. Parsly		

**QUALIFIERS**

J Estimated Result.

## LABORATORY CONTROL SAMPLE DATA REPORT

## Trace Level Organic Compounds

Client Lot # ...: H2C020432      Work Order # ...: MRCP11AC-LCS      Matrix .....: WATER  
 LCS Lot-Sample# : H2C120000 - 025      MRCP11AD-LCSD  
 Prep Date .....: 03/12/12      Analysis Date ..: 03/21/12  
 Prep Batch # ...: 2072025  
 Dilution Factor : 1  
 Analyst ID.....: Patricia(Trish) M. Parsl      Instrument ID.: M2A      Method.....: SW846 8290A  
 Initial Wgt/Vol: 1000 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	200	198	pg/L	99	(69 - 125)		
	200	204	pg/L	102	(69 - 125)	2.5	(0 - 15)
1,2,3,7,8-PeCDD	1000	994	pg/L	99	(72 - 122)		
	1000	978	pg/L	98	(72 - 122)	1.6	(0 - 15)
1,2,3,4,7,8-HxCDD	1000	943	pg/L	94	(65 - 115)		
	1000	953	pg/L	95	(65 - 115)	1.0	(0 - 15)
1,2,3,6,7,8-HxCDD	1000	912	pg/L	91	(81 - 147)		
	1000	926	pg/L	93	(81 - 147)	1.6	(0 - 15)
1,2,3,7,8,9-HxCDD	1000	1020	pg/L	102	(77 - 127)		
	1000	1070	pg/L	107	(77 - 127)	5.3	(0 - 15)
1,2,3,4,6,7,8-HpCDD	1000	919	pg/L	92	(79 - 129)		
	1000	939	pg/L	94	(79 - 129)	2.2	(0 - 15)
OCDD	2000	1880	pg/L	94	(85 - 135)		
	2000	1890	pg/L	95	(85 - 135)	0.54	(0 - 15)
2,3,7,8-TCDF	200	190	pg/L	95	(73 - 123)		
	200	185	pg/L	92	(73 - 123)	2.6	(0 - 15)
1,2,3,7,8-PeCDF	1000	940	pg/L	94	(78 - 128)		
	1000	944	pg/L	94	(78 - 128)	0.49	(0 - 15)
2,3,4,7,8-PeCDF	1000	958	pg/L	96	(72 - 122)		
	1000	982	pg/L	98	(72 - 122)	2.5	(0 - 15)
1,2,3,4,7,8-HxCDF	1000	948	pg/L	95	(78 - 128)		
	1000	979	pg/L	98	(78 - 128)	3.2	(0 - 15)
1,2,3,6,7,8-HxCDF	1000	972	pg/L	97	(75 - 125)		
	1000	985	pg/L	99	(75 - 125)	1.3	(0 - 15)
2,3,4,6,7,8-HxCDF	1000	976	pg/L	98	(79 - 129)		
	1000	972	pg/L	97	(79 - 129)	0.43	(0 - 15)
1,2,3,7,8,9-HxCDF	1000	964	pg/L	96	(75 - 125)		
	1000	965	pg/L	97	(75 - 125)	0.18	(0 - 15)
1,2,3,4,6,7,8-HpCDF	1000	909	pg/L	91	(76 - 126)		
	1000	920	pg/L	92	(76 - 126)	1.2	(0 - 15)
1,2,3,4,7,8,9-HpCDF	1000	964	pg/L	96	(75 - 125)		
	1000	977	pg/L	98	(75 - 125)	1.3	(0 - 15)
OCDF	2000	1930	pg/L	96	(70 - 145)		
	2000	1930	pg/L	97	(70 - 145)	0.060	(0 - 15)
INTERNAL STANDARD				PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD				103	(40 - 135)		
				102	(40 - 135)		
13C-1,2,3,7,8-PeCDD				111	(40 - 135)		
				114	(40 - 135)		
13C-1,2,3,4,7,8-HxCDD				97	(40 - 135)		

## LABORATORY CONTROL SAMPLE DATA REPORT

## Trace Level Organic Compounds

Client Lot # ...: H2C020432

Work Order # ...: MRCP11AC-LCS  
MRCP11AD-LCSD

Matrix .....: WATER

LCS Lot-Sample#: H2C120000 - 025

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
	94	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	76	(40 - 135)
	71	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	101	(40 - 135)
	94	(40 - 135)
13C-OCDD	97	(40 - 135)
	104	(40 - 135)
13C-2,3,7,8-TCDF	95	(40 - 135)
	98	(40 - 135)
13C-1,2,3,7,8-PeCDF	109	(40 - 135)
	110	(40 - 135)
13C-2,3,4,7,8-PeCDF	103	(40 - 135)
	104	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	82	(40 - 135)
	75	(40 - 135)
13C-1,2,3,6,7,8-HxCDF	70	(40 - 135)
	66	(40 - 135)
13C-2,3,4,6,7,8-HxCDF	86	(40 - 135)
	83	(40 - 135)
13C-1,2,3,7,8,9-HxCDF	95	(40 - 135)
	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	82	(40 - 135)
	78	(40 - 135)
13C-1,2,3,4,7,8,9-HpCDF	97	(40 - 135)
	96	(40 - 135)

**Notes:**

Calculations are performed before rounding to avoid round-off errors in calculated results.

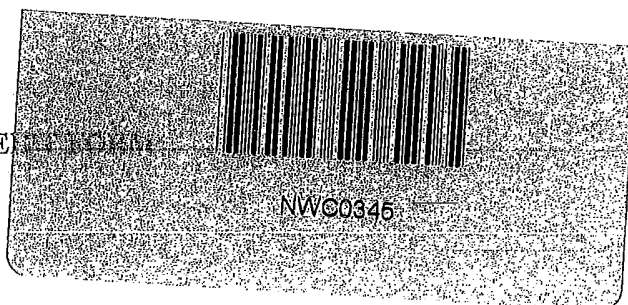
Bold print denotes control parameters

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING  
Nashville, TN

## COOLER RECEIPT



Cooler Received/Opened On 3/2/2012 @ 0820

1. Tracking # 2146 (last 4 dgts, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 2.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: (2) Front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) WJ

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO..NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) WJ

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) WJ

17. Were custody papers properly filled out (Ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) WJ

I certify that I attached a label with the unique LIMS number to each container (Initial) WJ

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO..#

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING  
Nashville, TN

## COOLER RECEIPT FORM



Cooler Received/Opened On 3/2/2012@ 8:20

1. Tracking # 2216 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID 18290455

2. Temperature of rep. sample or temp blank when opened: 1.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO  NA

4. Were custody seals on outside of cooler?  YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly?  YES...NO...NA

6. Were custody papers inside cooler?  YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) JH

7. Were custody seals on containers: YES  NO and intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used?  Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process:  Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)?  YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO... NA

14. Was there a Trip Blank in this cooler?  YES...NO...NA if multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) S

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used?  YES...NO...NA

16. Was residual chlorine present? YES...NO... NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) S

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) S

I certify that I attached a label with the unique LIMS number to each container (initial) S

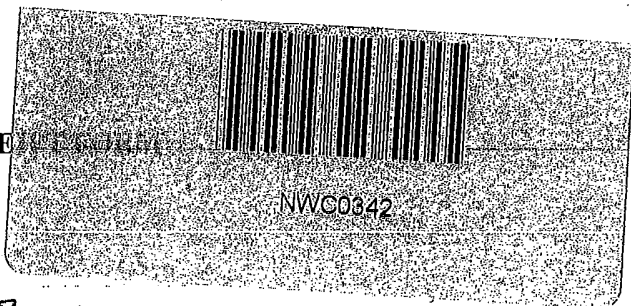
21. Were there Non-Conformance Issues at login? YES... NO Was a PIPE generated? YES... NO





TestAmerica  
THE LEADER IN ENVIRONMENTAL TESTING  
Nashville, TN

COOLER RECEIPT



Cooler Received/Opened On 3/2/2012 @ 08:20

1. Tracking # 5097 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 3.0 Degrees Celsius

3. If item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES  NO  NA

4. Were custody seals on outside of cooler? YES  NO  NA

If yes, how many and where: 2-Front

5. Were the seals intact, signed, and dated correctly? YES  NO  NA

6. Were custody papers inside cooler? YES  NO  NA

I certify that I opened the cooler and answered questions 1-6 (Initial) P.H.

7. Were custody seals on containers: YES  NO  and intact YES  NO  NA

Were these signed and dated correctly? YES  NO  NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES  NO  NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES  NO  NA

12. Did all container labels and tags agree with custody papers? YES  NO  NA

13a. Were VOA vials received? YES  NO  NA

b. Was there any observable headspace present in any VOA vial? YES  NO  NA

14. Was there a Trip Blank in this cooler? YES  NO  NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (Initial) G

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES  NO  NA

b. Did the bottle labels indicate that the correct preservatives were used? YES  NO  NA

16. Was residual chlorine present? YES  NO  NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) G

17. Were custody papers properly filled out (ink, signed, etc)? YES  NO  NA

18. Did you sign the custody papers in the appropriate place? YES  NO  NA

19. Were correct containers used for the analysis requested? YES  NO  NA

20. Was sufficient amount of sample sent in each container? YES  NO  NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) G

I certify that I attached a label with the unique LIMS number to each container (Initial) G

21. Were there Non-Conformance issues at login? YES  NO  Was a PIPE generated? YES  NO  #



**Nashville**

2960 Foster Creighton Drive  
 Cathy Gardner - Lab PM  
 Nashville, TN 37204  
 Phone: 615-301-5044 Fax: 615-726-3404

**EHS Special Project Chain of Custody Record**

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact

Project Manager: Denise Good

\*SAMPLE: N. Consering S92

COC No:

COC Page 1 of 1

Lab Workorder Number

GES, Inc. / CHK  
 1350 Washington Blvd., Suite 1  
 Williamsport, PA 17701  
 Phone: 866-507-1441 / Fax: 610-458-2300

Tel/Fax: 484-645-2726  
 Analysis Turnaround Time  
 Calendar (C) or Work Days (W) = (W) work  
 TAT if different from below \_\_\_\_\_

\*PROJECT NAME: EHS Special Project  
 \*CHECK PROPERTY #: 909428  
 \*STATE SAMPLED: TN  
 \*PO. GEN/SUB = 016-024 (AF# 29 2020) (if applicable)

Project Name: S12 419  
 IMPROVEMENT WELL PAID SPECIAL PROJECT  
 \*Please circle which type of site this is:  
 1 week  
 2 weeks  
 3 days RUSH TAT  
 1 day

\*NO. GEN/SUB = 016-024 (AF# 29 2020) (if applicable)

\*Sample Date: 3/11/12  
 \*Sample Time: 1315  
 \*Sample Type: grab  
 \*Matrix (GW or SW): GW  
 # of Cont.: 3  
 N X

\*Sample Identification: 03012012 S9203

Light Gas (Methane, Ethane, Propane - RSK 175M)

Sample Specific Notes:  
 Non-Preserved

\*Check if RUSH (1-day) TAT is needed for Dissolved Gases Analysis only

NW00342  
 03/16/12 28:59

\*Resident ID: WL-BENNETT-MARJORIE-01

Preservation Used: 1= Ice, 2= HCI, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other \_\_\_\_\_

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ two (2) Months

PARCEL ID #: 25-98.00-2.001

Special Instructions/QC Requirements & Comments: (Sample matrix will either be groundwater (GW) or surface water (SW)). Copy to Courtney Love

FEDEX TRACKING #: 4908 3147 5097

SAMPLE SOURCE DESCRIPTION: Wellhead South of house, sample of first five gallons on well.

RELINQUISHED BY: M.A. BERRY

\*COMPANY NAME: SES

\*DATE/TIME: 3/16/12

Received by: FOLBY

Relinquished by:

Company:

Date/Time:

Received by:

Company:

Date/Time:

Received by: [Signature]

Company: TAN 3.0

Date/Time: 3-2-12 08:20



COOLER RECEIPT



Cooler Received/Opened On 3/2/2012 @ 0820

1. Tracking # 9099 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 2.8 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: (2) Front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) JW

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES..NO...NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (Initial) J

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) J

17. Were custody papers properly filled out (Ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) J

I certify that I attached a label with the unique LIMS number to each container (Initial) J

21. Were there Non-Conformance Issues at login? YES..NO Was a PIPE generated? YES...NO..#

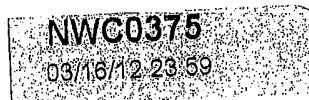
# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING  
Nashville, TN

## COOLER RECEIPT FORM

Cooler Received/Opened On 3/2/2012 @ 0820

1. Tracking # DA3-2-12-N/A 8872 (last 4 digits, FedEx)



Courier: FEDEX IR Gun ID 97310186

2. Temperature of rep. sample or temp blank when opened: 0.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: Two front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) DA

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (Initial) DF

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) DF

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) DF

I certify that I attached a label with the unique LIMS number to each container (Initial) DF

21. Were there Non-Conformance Issues at login? YES...NO Was a PIPE generated? YES...NO..#

BIS = Broken in shipment  
Cooler Receipt Form.doc

**COOLER RECEIPT FORM**

Cooler Received/Opened On 3/2/2012 @ 8:20



1. Tracking # 8828 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 4.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES......NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) JG

7. Were custody seals on containers: YES  NO and intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used?  Bubblewrap  Plastic bag  Peanuts  Vermiculite  Foam Insert  Paper  Other  None

9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry ice  Other  None

10. Did all containers arrive in good condition (unbroken)?  YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES......NA

14. Was there a Trip Blank in this cooler?  YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (Initial) JG

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used?  YES...NO...NA

16. Was residual chlorine present? YES...NO... NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) JG

17. Were custody papers properly filled out (Ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) JG

I certify that I attached a label with the unique LIMS number to each container (Initial) JG

21. Were there Non-Conformance issues at login? YES......NO Was a PIPE generated? YES......#



## Subcontract Order - TestAmerica Nashville (NWC0375)

Please enter the following code into the Job PO Number field for automated UDZ transfer files: **Sub NSH NWC0375**

**SENDING LABORATORY:**

TestAmerica Nashville  
 2960 Foster Creighton Road  
 Nashville, TN 37204  
 Phone: 800-765-0980  
 Fax: 615-726-3404  
 Project Manager: Ken A. Hayes  
 Client: S&ME, Inc. (2420)

**RECEIVING LABORATORY:**

TestAmerica Knoxville  
 5815 Middlebrook Pike  
 Knoxville, TN 37921  
 Phone : (865) 291-3000  
 Fax: (865) 584-4315  
 Project Location: South Carolina  
 Receipt Temperature: °C Ice: Y / N

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
----------	-------	-----	---------	----------------	-------	----------

**Sample ID: NWC0375-01 (Tract 37 SB-1 (0-2) - Soil)**

Sampled: 02/29/12 16:00

Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 15:00	\$850.00	0%	
--------------------------------	--	----------	----------------	----------	----	--

Containers Supplied:

**Sample ID: NWC0375-02 (Tract 37 SB-1 (22-26) - Soil)**

Sampled: 02/29/12 16:15

Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 15:15	\$850.00	0%	
--------------------------------	--	----------	----------------	----------	----	--

Containers Supplied:

**Sample ID: NWC0375-03 (Tract 37 TW-1 (20-24) - Ground W)**

Sampled: 02/29/12 16:30

Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 15:30	\$825.00	0%	
--------------------------------	--	----------	----------------	----------	----	--

Containers Supplied:

**Sample ID: NWC0375-04 (Tract 37 SB-2 (0-2) - Soil)**

Sampled: 02/29/12 11:00

Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 10:00	\$850.00	0%	
--------------------------------	--	----------	----------------	----------	----	--

Containers Supplied:

**Sample ID: NWC0375-05 (Tract 37 SB-2 (8-12) - Soil)**

Sampled: 02/29/12 11:15

Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 10:15	\$850.00	0%	
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Containers Supplied:

**Sample ID: NWC0375-06 (Tract 37 TW-2 (10-14) - Ground W)**

Sampled: 02/29/12 11:30

Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 10:30	\$825.00	0%	
--------------------------------	--	----------	----------------	----------	----	--

Containers Supplied:

Released By

Date/Time

Received By

Date/Time

Released By

Date/Time

Received By

Date/Time

Page 1 of 2



## Subcontract Order - TestAmerica Nashville (NWC0375)

Please enter the following code into the Job PO Number field for automated UDZ transfer files: **Sub NSH NWC0375**

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
<b>Sample ID: NWC0375-07 (Tract 37 SS-1 - Soil)</b>						
			Sampled: 02/29/12 10:50			
Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 09:50	\$850.00	0%	
<i>Containers Supplied:</i>						
<b>Sample ID: NWC0375-08 (Tract 37 SW-1 - Ground Water)</b>						
			Sampled: 02/29/12 11:10			
Subcontract - Dioxin by 8290 %		03/14/12	11/24/14 10:10	\$825.00	0%	
<i>Containers Supplied:</i>						

## Subcontract Order - TestAmerica Nashville (NWC0345)

Please enter the following code into the Job PO Number field for automated UDZ transfer files: **Sub NSH NWC0345**

**SENDING LABORATORY:**

TestAmerica Nashville  
 2960 Foster Creighton Road  
 Nashville, TN 37204  
 Phone: 800-765-0980  
 Fax: 615-726-3404  
 Project Manager: Ken A. Hayes  
 Client: S&ME, Inc. (2420)

**RECEIVING LABORATORY:**

TestAmerica Knoxville  
 5815 Middlebrook Pike  
 Knoxville, TN 37921  
 Phone : (865) 291-3000  
 Fax: (865) 584-4315  
 Project Location: South Carolina  
 Receipt Temperature: \_\_\_\_\_ °C      Ice: Y / N

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
----------	-------	-----	---------	----------------	-------	----------

**Sample ID: NWC0345-01 (Tract 37 SB-3 (0-2) - Soil)**

Sampled: 03/01/12 11:15

Subcontract - Dioxin by 8290 %	03/14/12	11/25/14	10:15	\$850.00	0%	
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Containers Supplied:

**Sample ID: NWC0345-02 (Tract 37 SB-3 (8-12) - Soil)**

Sampled: 03/01/12 11:30

Subcontract - Dioxin by 8290 %	03/14/12	11/25/14	10:30	\$850.00	0%	
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Containers Supplied:

**Sample ID: NWC0345-03 (Tract 37 TW-3 (10-14) - Ground W:**

Sampled: 03/01/12 11:45

Subcontract - Dioxin by 8290 %	03/14/12	11/25/14	10:45	\$825.00	0%	
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Containers Supplied:

Released By \_\_\_\_\_

Date/Time \_\_\_\_\_

Received By \_\_\_\_\_

Date/Time \_\_\_\_\_

Released By \_\_\_\_\_

Date/Time \_\_\_\_\_

Received By \_\_\_\_\_

Date/Time \_\_\_\_\_

Page 1 of 1







TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: HA02A0432

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1a Do not match COC <input type="checkbox"/> 1b Incomplete information <input type="checkbox"/> 1c Marking smeared <input type="checkbox"/> 1d Label torn <input type="checkbox"/> 1e No label <input type="checkbox"/> 1f COC not received <input type="checkbox"/> 1g Other:	
2. Is the cooler temperature within limits? (< freezing temp. of water to 6 °C, VOST: 10°C)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 2a Temp Blank = _____ <input type="checkbox"/> 2b Cooler Temp = _____ <input type="checkbox"/> 2c Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> 3a Sample preservative = _____	
4. Were custody seals present/intact on cooler and/or containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 4a Not present <input type="checkbox"/> 4b Not intact <input type="checkbox"/> 4c Other:	
5. Were all of the samples listed on the COC received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5a Samples received-not on COC <input type="checkbox"/> 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 6a Leaking <input type="checkbox"/> 6b Broken	
7. Were VOA samples received without headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 8a Improper container	
9. Did you check for residual chlorine, if necessary?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 10a Holding time expired	
11. For rad samples, was sample activity info. provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Incomplete information	
12. For 1613B water samples is pH <9?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 13a Leaking <input type="checkbox"/> 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 14a Not relinquished	
15. Are tests/parameters listed for each sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 15a Incomplete information	
16. Is the matrix of the samples noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 15a Incomplete information	
17. Is the date/time of sample collection noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 15a Incomplete information	
18. Is the client and project name/# identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 15a Incomplete information	
19. Was the sampler identified on the COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 15a Incomplete information	

Quote #: 90150 PM Instructions: \_\_\_\_\_

Sample Receiving Associate: Yagan Henry

Date: 3/21/12

QA026R22.doc, 012811

## COOLER RECEIPT



Cooler Received/Opened On 3/2/2012 @ 0820

1. Tracking # 2146 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 2.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: (2) Front /

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) W

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO..NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) S

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) S

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) S

I certify that I attached a label with the unique LIMS number to each container (initial) S

21. Were there Non-Conformance issues at login? YES..NO Was a PIPE generated? YES...NO..#

## COOLER RECEIPT FORM

**NWC0345**  
03/16/12 23:59

Cooler Received/Opened On 3/2/2012@ 8:20

1. Tracking # 2216 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID 18290455

2. Temperature of rep. sample or temp blank when opened: 1.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO  NA

4. Were custody seals on outside of cooler?  YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly?  YES...NO...NA

6. Were custody papers inside cooler?  YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) JH

7. Were custody seals on containers: YES  NO and Intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used?  Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process:  Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)?  YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO... NA

14. Was there a Trip Blank in this cooler?  YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) G

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used  YES...NO...NA

16. Was residual chlorine present? YES...NO... NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) G

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) G

I certify that I attached a label with the unique LIMS number to each container (initial) G

21. Were there Non-Conformance issues at login? YES... NO Was a PIPE generated? YES... NO..#





# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204  
Tel: (615)726-0177

TestAmerica Job ID: 490-37411-1  
TestAmerica Sample Delivery Group: 1131-08-554  
Client Project/Site: Port Access Road

For:  
S&ME, Inc.  
620 Wando Park Boulevard  
Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline

Roxanne L Connor

Authorized for release by:  
10/23/2013 2:53:13 PM  
Roxanne Connor, Senior Project Manager  
(615)301-5761  
[roxanne.connor@testamericainc.com](mailto:roxanne.connor@testamericainc.com)

Designee for  
Ken Hayes, Project Manager I  
(615)301-5035  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



### LINKS

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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-37411-1	Tract 33 SB2 0-2	Soil	10/09/13 09:30	10/10/13 08:15
490-37411-2	Tract 33 SB2 10-14	Soil	10/09/13 09:45	10/10/13 08:15
490-37411-3	Tract 33 TW2 20-24	Ground Water	10/09/13 10:50	10/10/13 08:15
490-37411-4	Tract 33 TW2 20-24	Ground Water	10/09/13 16:15	10/10/13 08:15
490-37411-5	Tract 33 TW3	Ground Water	10/09/13 16:00	10/10/13 08:15
490-37411-6	Tract 33 SB3 0-2	Soil	10/09/13 13:30	10/10/13 08:15
490-37411-7	Tract 33 SB3 14-18	Soil	10/09/13 14:00	10/10/13 08:15
490-37411-8	Trip Blank	Water	10/09/13 00:01	10/10/13 08:15
490-37411-9	Trip Blank	Water	10/09/13 00:01	10/10/13 08:15

# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Job ID: 490-37411-1**

**Laboratory: TestAmerica Nashville**

## Narrative

### Job Narrative 490-37411-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 10/10/2013 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.6° C, 2.1° C and 3.2° C.

#### GC/MS VOA

Method(s) 8260B: The method blank for batches 114468, 114674, and 114976 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): Tract 33 SB3 14-18 (490-37411-7). The sample(s) shows evidence of matrix interference.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: Tract 33 SB3 14-18 (490-37411-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: Tract 33 SB3 14-18 (490-37411-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batches 114976 and 114674. See LCS/LCSD

No other analytical or quality issues were noted.

#### GC/MS Semi VOA

Method(s) 8270D: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 114082 recovered outside control limits for the following analyte: Atrazine. Samples non-detect; therefore the data have been reported.

Method(s) 8270D: The laboratory control sample (LCS) for batch 114393 recovered outside control limits for the following analytes: Atrazine and Benzaldehyde. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries for atrazine for batch 114082 were outside control limits. (490-37359-13 MS), (490-37359-13 MSD)

No other analytical or quality issues were noted.

#### GC Semi VOA

Method(s) 8081B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 113530.

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: Tract 33 TW3 (490-37411-5). As such, surrogates were reduced to a level where recoveries do not provide useful information, and elevated reporting limits (RLs) are provided.

Method(s) 8081B: Surrogate recovery for the following sample was outside control limits: Tract 33 SB3 0-2 (490-37411-6). Evidence of matrix interference is present; therefore, re-extraction was not performed.

Method(s) 8081B: Matrix spikes for batch 114033 could not be recovered due to sample matrix interferences which required sample dilution. The associated laboratory control sample (LCS) met acceptance criteria.

# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Job ID: 490-37411-1 (Continued)

### Laboratory: TestAmerica Nashville (Continued)

Method(s) 8082A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 113581.

No other analytical or quality issues were noted.

#### Metals

Method(s) 6010C: The continuing calibration verification (CCV) for TI associated with batch 114658 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 6010C: The method blank for batch 114638 contained Fe, K, Na above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010C: The method blank for batch 114220 contained Fe, Na, Al, K above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010C: The method blank for batch 114693 contained K, Mg, Na above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010C: The method blank for batch 115480 contained Fe, K, Na above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010C: The following sample(s) was diluted due to the abundance of Potassium and Sodium : Tract 33 TW3 (490-37411-5). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following sample(s) was diluted due to the abundance of Iron : Tract 33 SB2 0-2 (490-37411-1). Elevated reporting limits (RLs) are provided.

Method(s) 6010B, 6010C: The serial dilution performed for the following sample(s) associated with batch 114220 was outside control limits for Ba and Fe: (440-58931-1 SD)

Method(s) 6010C: The serial dilution performed for the following sample(s) associated with batch 114638 was outside control limits for Zinc. (490-37359-1 SD)

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 114638 were outside control limits for As, Ca, Mn. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B, 6010C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 115480 were outside control limits for Lead and Manganese. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 115480 was outside control limits for Aluminum and Potassium. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

Method(s) 6010C: The post digestion spike % recovery for Aluminum associated with batch 114638 was outside of control limits.

Method(s) 7471A, 7471B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 116118 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

#### General Chemistry

Method(s) 7196A: The sample duplicate precision for the following sample associated with batch 298868 was outside control limits: (490-37157-1 DU). Non-homogeneity of the sample matrix is suspected. The associated laboratory control sample (LCS) precision met acceptance criteria.

## Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

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### Job ID: 490-37411-1 (Continued)

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#### Laboratory: TestAmerica Nashville (Continued)

Method(s) 7196A: The matrix spike (MS) recovery for batch 298868 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

#### Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batches 113530, 113567, 113581, and 114393.

Method(s) 3510C: The following sample(s) formed emulsions during the extraction procedure: Tract 33 TW2 20-24 (490-37411-3). The emulsions were broken up using centrifugation.

No other analytical or quality issues were noted.

#### VOA Prep

No analytical or quality issues were noted.



# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
E	Result exceeded calibration range.

### GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
F	MS/MSD Recovery and/or RPD exceeds the control limits
*	LCS or LCSD exceeds the control limits

### GC Semi VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

### Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS/MSD Recovery and/or RPD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
*	LCS or LCSD exceeds the control limits

### General Chemistry

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control

# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 0-2**

**Lab Sample ID: 490-37411-1**

Date Collected: 10/09/13 09:30

Matrix: Soil

Date Received: 10/10/13 08:15

Percent Solids: 88.8

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.0524</b>		0.0493	0.0394	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Benzene	<0.000660		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Bromochloromethane	<0.000542		0.00197	0.000542	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Bromodichloromethane	<0.000542		0.00197	0.000542	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Bromoform	<0.000542		0.00197	0.000542	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Bromomethane	<0.00118		0.00197	0.00118	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
<b>2-Butanone (MEK)</b>	<b>0.00594</b>	<b>J</b>	0.0493	0.00503	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Carbon disulfide	<0.00355		0.00493	0.00355	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Carbon tetrachloride	<0.000660		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
<b>Chlorobenzene</b>	<b>0.00429</b>		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Chlorodibromomethane	<0.000335		0.00197	0.000335	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Chloroethane	<0.00187		0.00493	0.00187	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Chloroform	<0.000660		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Chloromethane	<0.000660		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
cis-1,2-Dichloroethene	<0.000660		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
cis-1,3-Dichloropropene	<0.000660		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Cyclohexane	<0.00325		0.00985	0.00325	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
1,2-Dibromo-3-Chloropropane	<0.000690		0.00493	0.000690	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
1,2-Dibromoethane (EDB)	<0.000985		0.00197	0.000985	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
<b>1,2-Dichlorobenzene</b>	<b>0.00171</b>	<b>J</b>	0.00197	0.000335	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
1,3-Dichlorobenzene	<0.000660		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
<b>1,4-Dichlorobenzene</b>	<b>0.00259</b>		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Dichlorodifluoromethane	<0.000985		0.00197	0.000985	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
1,1-Dichloroethane	<0.000660		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
1,2-Dichloroethane	<0.000660		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
1,1-Dichloroethene	<0.000562		0.00197	0.000562	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
1,2-Dichloropropane	<0.000926		0.00197	0.000926	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Ethylbenzene	<0.000660		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
2-Hexanone	<0.0165		0.0493	0.0165	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Isopropylbenzene	<0.000404		0.00197	0.000404	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Methyl acetate	<0.00236		0.00985	0.00236	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Methylcyclohexane	<0.00325		0.00985	0.00325	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Methylene Chloride	<0.000847		0.00985	0.000847	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
4-Methyl-2-pentanone (MIBK)	<0.0168		0.0493	0.0168	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Methyl tert-butyl ether	<0.000946		0.00197	0.000946	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Styrene	<0.00108		0.00197	0.00108	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
1,1,2,2-Tetrachloroethane	<0.000985		0.00197	0.000985	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Tetrachloroethene	<0.000719		0.00197	0.000719	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Toluene	<0.000729		0.00197	0.000729	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
trans-1,2-Dichloroethene	<0.000660		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
trans-1,3-Dichloropropene	<0.000660		0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
1,2,3-Trichlorobenzene	<0.000374		0.00197	0.000374	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
<b>1,2,4-Trichlorobenzene</b>	<b>0.00116</b>	<b>J</b>	0.00197	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
1,1,1-Trichloroethane	<0.000907		0.00197	0.000907	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
1,1,2-Trichloroethane	<0.00138		0.00493	0.00138	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Trichloroethene	<0.000946		0.00197	0.000946	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Trichlorofluoromethane	<0.000985		0.00197	0.000985	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000778		0.00197	0.000778	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
Vinyl chloride	<0.00108		0.00197	0.00108	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 0-2**

**Lab Sample ID: 490-37411-1**

Date Collected: 10/09/13 09:30

Matrix: Soil

Date Received: 10/10/13 08:15

Percent Solids: 88.8

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000660		0.00296	0.000660	mg/Kg	☼	10/11/13 12:25	10/16/13 15:50	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	113		70 - 130				10/11/13 12:25	10/16/13 15:50	1
Dibromofluoromethane (Surr)	96		70 - 130				10/11/13 12:25	10/16/13 15:50	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 130				10/11/13 12:25	10/16/13 15:50	1
Toluene-d8 (Surr)	122		70 - 130				10/11/13 12:25	10/16/13 15:50	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00973		0.0652	0.00973	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Acenaphthylene	<0.00876		0.0652	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Acetophenone	<0.0681		0.324	0.0681	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Anthracene	<0.00876		0.0652	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Atrazine	<0.163	*	0.324	0.163	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Benzaldehyde	<0.278		1.63	0.278	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Benzo[a]anthracene	<0.0146		0.0652	0.0146	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Benzo[a]pyrene	<0.0117		0.0652	0.0117	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Benzo[b]fluoranthene	<0.0117		0.0652	0.0117	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Benzo[g,h,i]perylene	<0.00876		0.0652	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Benzo[k]fluoranthene	<0.0136		0.0652	0.0136	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Biphenyl	<0.101		0.324	0.101	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Bis(2-chloroethoxy)methane	<0.0117		0.324	0.0117	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Bis(2-chloroethyl)ether	<0.0195		0.324	0.0195	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
bis (2-chloroisopropyl) ether	<0.130		0.324	0.130	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Bis(2-ethylhexyl) phthalate	<0.0127		0.324	0.0127	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
4-Bromophenyl phenyl ether	<0.0165		0.324	0.0165	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Butyl benzyl phthalate	<0.0156		0.324	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Caprolactam	<0.105		0.324	0.105	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Carbazole	<0.00681		0.324	0.00681	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
4-Chloroaniline	<0.162		0.324	0.162	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
4-Chloro-3-methylphenol	<0.0156		0.324	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2-Chloronaphthalene	<0.0165		0.324	0.0165	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2-Chlorophenol	<0.0146		0.324	0.0146	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
4-Chlorophenyl phenyl ether	<0.0234		0.324	0.0234	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Chrysene	<0.00876		0.0652	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Dibenz(a,h)anthracene	<0.00681		0.0652	0.00681	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Dibenzofuran	<0.0127		0.324	0.0127	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
3,3'-Dichlorobenzidine	<0.129		0.649	0.129	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2,4-Dichlorophenol	<0.0165		0.324	0.0165	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Diethyl phthalate	<0.0136		0.324	0.0136	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2,4-Dimethylphenol	<0.187		0.324	0.187	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
<b>Dimethyl phthalate</b>	<b>0.0998</b>	<b>J</b>	1.63	0.00779	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Di-n-butyl phthalate	<0.0127		0.324	0.0127	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
4,6-Dinitro-2-methylphenol	<0.100		0.324	0.100	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2,4-Dinitrophenol	<0.107		0.324	0.107	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2,4-Dinitrotoluene	<0.00876		0.324	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2,6-Dinitrotoluene	<0.0302		0.324	0.0302	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Di-n-octyl phthalate	<0.0127		0.324	0.0127	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Fluoranthene	<0.00876		0.0652	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 0-2**

**Lab Sample ID: 490-37411-1**

**Date Collected: 10/09/13 09:30**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 88.8**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0117		0.0652	0.0117	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Hexachlorobenzene	<0.0282		0.324	0.0282	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Hexachlorobutadiene	<0.0681		0.324	0.0681	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Hexachlorocyclopentadiene	<0.0156		0.324	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Hexachloroethane	<0.0195		0.324	0.0195	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Indeno[1,2,3-cd]pyrene	<0.00973		0.0652	0.00973	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Isophorone	<0.0574		0.324	0.0574	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2-Methylnaphthalene	<0.0156		0.0652	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2-Methylphenol	<0.0905		0.324	0.0905	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
3 & 4 Methylphenol	<0.0195		0.324	0.0195	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Naphthalene	<0.00876		0.0652	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2-Nitroaniline	<0.0175		0.811	0.0175	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
3-Nitroaniline	<0.144		0.811	0.144	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
4-Nitroaniline	<0.0292		0.811	0.0292	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Nitrobenzene	<0.0165		0.324	0.0165	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2-Nitrophenol	<0.0127		0.324	0.0127	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
4-Nitrophenol	<0.0146		0.324	0.0146	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
N-Nitrosodi-n-propylamine	<0.0204		0.324	0.0204	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0156		0.324	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Pentachlorophenol	<0.122		0.811	0.122	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Phenanthrene	<0.00876		0.0652	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Phenol	<0.0136		0.324	0.0136	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Pyrene	<0.0117		0.0652	0.0117	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
1,2,4,5-Tetrachlorobenzene	<0.251		1.63	0.251	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2,3,4,6-Tetrachlorophenol	<0.165		0.324	0.165	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2,4,5-Trichlorophenol	<0.0165		0.811	0.0165	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
2,4,6-Trichlorophenol	<0.0243		0.324	0.0243	mg/Kg	☼	10/14/13 09:19	10/16/13 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	46		29 - 120				10/14/13 09:19	10/16/13 00:03	1
2-Fluorophenol (Surr)	44		10 - 120				10/14/13 09:19	10/16/13 00:03	1
Nitrobenzene-d5 (Surr)	46		27 - 120				10/14/13 09:19	10/16/13 00:03	1
Phenol-d5 (Surr)	47		10 - 120				10/14/13 09:19	10/16/13 00:03	1
Terphenyl-d14 (Surr)	55		13 - 120				10/14/13 09:19	10/16/13 00:03	1
2,4,6-Tribromophenol (Surr)	54		10 - 120				10/14/13 09:19	10/16/13 00:03	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000307		0.00168	0.000307	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1
alpha-BHC	0.0620		0.0168	0.00198	mg/Kg	☼	10/14/13 06:57	10/16/13 13:39	10
beta-BHC	0.571		0.0653	0.0396	mg/Kg	☼	10/14/13 06:57	10/18/13 00:56	20
delta-BHC	0.0188	p	0.00168	0.000376	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1
gamma-BHC (Lindane)	<0.000386		0.00168	0.000386	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1
alpha-Chlordane	0.0541	p	0.0168	0.00425	mg/Kg	☼	10/14/13 06:57	10/16/13 13:39	10
gamma-Chlordane	0.111		0.0168	0.00782	mg/Kg	☼	10/14/13 06:57	10/16/13 13:39	10
Chlordane (technical)	0.598	J	0.660	0.359	mg/Kg	☼	10/14/13 06:57	10/18/13 00:44	10
4,4'-DDD	0.526		0.0336	0.00851	mg/Kg	☼	10/14/13 06:57	10/22/13 18:19	20
4,4'-DDE	0.603		0.0336	0.00989	mg/Kg	☼	10/14/13 06:57	10/22/13 18:19	20
4,4'-DDT	0.173		0.0336	0.0168	mg/Kg	☼	10/14/13 06:57	10/22/13 18:19	20

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 0-2**

**Lab Sample ID: 490-37411-1**

Date Collected: 10/09/13 09:30

Matrix: Soil

Date Received: 10/10/13 08:15

Percent Solids: 88.8

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000396		0.00168	0.000396	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1
Endosulfan I	<0.000465		0.00168	0.000465	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1
Endosulfan II	<0.000544		0.00168	0.000544	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1
Endosulfan sulfate	<0.000495		0.00168	0.000495	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1
Endrin	<0.000425		0.00168	0.000425	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1
Endrin aldehyde	<0.000505		0.00168	0.000505	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1
Endrin ketone	<0.000584		0.00168	0.000584	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1
<b>Heptachlor</b>	<b>0.00206</b>	<b>p</b>	0.00168	0.000416	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1
Heptachlor epoxide	<0.000643		0.00168	0.000643	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1
Methoxychlor	<0.00970		0.0653	0.00970	mg/Kg	☼	10/14/13 06:57	10/18/13 21:42	20
Toxaphene	<0.0418		0.0660	0.0418	mg/Kg	☼	10/14/13 06:57	10/15/13 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	89		21 - 145	10/14/13 06:57	10/15/13 17:14	1
DCB Decachlorobiphenyl (Surr)	93		25 - 150	10/14/13 06:57	10/15/13 17:14	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0111		0.0370	0.0111	mg/Kg	☼	10/14/13 15:34	10/16/13 22:08	1
PCB-1221	<0.0111		0.0370	0.0111	mg/Kg	☼	10/14/13 15:34	10/16/13 22:08	1
PCB-1232	<0.0222		0.0370	0.0222	mg/Kg	☼	10/14/13 15:34	10/16/13 22:08	1
PCB-1242	<0.0111		0.0370	0.0111	mg/Kg	☼	10/14/13 15:34	10/16/13 22:08	1
PCB-1248	<0.0111		0.0370	0.0111	mg/Kg	☼	10/14/13 15:34	10/16/13 22:08	1
PCB-1254	<0.0111		0.0370	0.0111	mg/Kg	☼	10/14/13 15:34	10/16/13 22:08	1
PCB-1260	<0.0111		0.0370	0.0111	mg/Kg	☼	10/14/13 15:34	10/16/13 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	71		20 - 150	10/14/13 15:34	10/16/13 22:08	1
Tetrachloro-m-xylene	92		19 - 147	10/14/13 15:34	10/16/13 22:08	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>4160</b>		215	172	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
Antimony	<15.1		108	15.1	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Arsenic</b>	<b>27.1</b>		21.5	10.2	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Barium</b>	<b>55.1</b>		21.5	2.15	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
Beryllium	<1.08		10.8	1.08	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Cadmium</b>	<b>20.9</b>		10.8	1.08	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Calcium</b>	<b>2180</b>		2150	474	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Chromium</b>	<b>51.4</b>		10.8	3.23	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Cobalt</b>	<b>4.30</b>	<b>J</b>	21.5	3.23	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Copper</b>	<b>113</b>		21.5	18.3	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Iron</b>	<b>187000</b>		215	16.1	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Lead</b>	<b>49.5</b>		10.8	7.53	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Magnesium</b>	<b>635</b>	<b>J</b>	2150	140	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Manganese</b>	<b>808</b>		32.3	3.55	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Nickel</b>	<b>57.9</b>		21.5	3.23	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
Potassium	<215		2150	215	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
Selenium	<16.1		21.5	16.1	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
Silver	<3.23		10.8	3.23	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 0-2**

**Lab Sample ID: 490-37411-1**

**Date Collected: 10/09/13 09:30**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 88.8**

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<215		2150	215	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
Thallium	<12.9		21.5	12.9	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
Vanadium	<33.4		108	33.4	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10
<b>Zinc</b>	<b>188</b>		108	10.8	mg/Kg	☼	10/16/13 06:58	10/17/13 12:53	10

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.0343</b>	<b>J</b>	0.109	0.0326	mg/Kg	☼	10/22/13 13:52	10/23/13 10:43	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.334		1.11	0.334	mg/Kg	☼	10/11/13 14:33	10/16/13 09:39	1
<b>Percent Solids</b>	<b>89</b>		0.10	0.10	%			10/10/13 13:50	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 10-14**

**Lab Sample ID: 490-37411-2**

**Date Collected: 10/09/13 09:45**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 80.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0387		0.0484	0.0387	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Benzene	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Bromochloromethane	<0.000533		0.00194	0.000533	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Bromodichloromethane	<0.000533		0.00194	0.000533	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Bromoform	<0.000533		0.00194	0.000533	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Bromomethane	<0.00116		0.00194	0.00116	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
2-Butanone (MEK)	<0.00494		0.0484	0.00494	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Carbon disulfide	<0.00349		0.00484	0.00349	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Carbon tetrachloride	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Chlorobenzene	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Chlorodibromomethane	<0.000329		0.00194	0.000329	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Chloroethane	<0.00184		0.00484	0.00184	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Chloroform	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Chloromethane	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
cis-1,2-Dichloroethene	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
cis-1,3-Dichloropropene	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Cyclohexane	<0.00320		0.00968	0.00320	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,2-Dibromo-3-Chloropropane	<0.000678		0.00484	0.000678	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,2-Dibromoethane (EDB)	<0.000968		0.00194	0.000968	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,2-Dichlorobenzene	<0.000329		0.00194	0.000329	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,3-Dichlorobenzene	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,4-Dichlorobenzene	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Dichlorodifluoromethane	<0.000968		0.00194	0.000968	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,1-Dichloroethane	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,2-Dichloroethane	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,1-Dichloroethene	<0.000552		0.00194	0.000552	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,2-Dichloropropane	<0.000910		0.00194	0.000910	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Ethylbenzene	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
2-Hexanone	<0.0162		0.0484	0.0162	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Isopropylbenzene	<0.000397		0.00194	0.000397	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Methyl acetate	<0.00232		0.00968	0.00232	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Methylcyclohexane	<0.00320		0.00968	0.00320	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Methylene Chloride	<0.000833		0.00968	0.000833	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
4-Methyl-2-pentanone (MIBK)	<0.0165		0.0484	0.0165	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Methyl tert-butyl ether	<0.000930		0.00194	0.000930	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Styrene	<0.00107		0.00194	0.00107	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,1,2,2-Tetrachloroethane	<0.000968		0.00194	0.000968	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Tetrachloroethene	<0.000707		0.00194	0.000707	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Toluene	<0.000717		0.00194	0.000717	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
trans-1,2-Dichloroethene	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
trans-1,3-Dichloropropene	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,2,3-Trichlorobenzene	<0.000368		0.00194	0.000368	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,2,4-Trichlorobenzene	<0.000649		0.00194	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,1,1-Trichloroethane	<0.000891		0.00194	0.000891	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,1,2-Trichloroethane	<0.00136		0.00484	0.00136	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Trichloroethene	<0.000930		0.00194	0.000930	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Trichlorofluoromethane	<0.000968		0.00194	0.000968	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000765		0.00194	0.000765	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
Vinyl chloride	<0.00107		0.00194	0.00107	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 10-14**

**Lab Sample ID: 490-37411-2**

**Date Collected: 10/09/13 09:45**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 80.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000649		0.00290	0.000649	mg/Kg	☼	10/11/13 12:25	10/16/13 16:21	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	113		70 - 130				10/11/13 12:25	10/16/13 16:21	1
Dibromofluoromethane (Surr)	94		70 - 130				10/11/13 12:25	10/16/13 16:21	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 130				10/11/13 12:25	10/16/13 16:21	1
Toluene-d8 (Surr)	120		70 - 130				10/11/13 12:25	10/16/13 16:21	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00977		0.0655	0.00977	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Acenaphthylene	<0.00879		0.0655	0.00879	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Acetophenone	<0.0684		0.325	0.0684	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Anthracene	<0.00879		0.0655	0.00879	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Atrazine	<0.163	*	0.325	0.163	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Benzaldehyde	<0.279		1.63	0.279	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Benzo[a]anthracene	<0.0147		0.0655	0.0147	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Benzo[a]pyrene	<0.0117		0.0655	0.0117	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Benzo[b]fluoranthene	<0.0117		0.0655	0.0117	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Benzo[g,h,i]perylene	<0.00879		0.0655	0.00879	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Benzo[k]fluoranthene	<0.0137		0.0655	0.0137	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Biphenyl	<0.102		0.325	0.102	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Bis(2-chloroethoxy)methane	<0.0117		0.325	0.0117	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Bis(2-chloroethyl)ether	<0.0195		0.325	0.0195	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
bis (2-chloroisopropyl) ether	<0.131		0.325	0.131	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Bis(2-ethylhexyl) phthalate	<0.0127		0.325	0.0127	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
4-Bromophenyl phenyl ether	<0.0166		0.325	0.0166	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Butyl benzyl phthalate	<0.0156		0.325	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Caprolactam	<0.106		0.325	0.106	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Carbazole	<0.00684		0.325	0.00684	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
4-Chloroaniline	<0.162		0.325	0.162	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
4-Chloro-3-methylphenol	<0.0156		0.325	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2-Chloronaphthalene	<0.0166		0.325	0.0166	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2-Chlorophenol	<0.0147		0.325	0.0147	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
4-Chlorophenyl phenyl ether	<0.0234		0.325	0.0234	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Chrysene	<0.00879		0.0655	0.00879	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Dibenz(a,h)anthracene	<0.00684		0.0655	0.00684	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Dibenzofuran	<0.0127		0.325	0.0127	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
3,3'-Dichlorobenzidine	<0.130		0.652	0.130	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2,4-Dichlorophenol	<0.0166		0.325	0.0166	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Diethyl phthalate	<0.0137		0.325	0.0137	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2,4-Dimethylphenol	<0.188		0.325	0.188	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Dimethyl phthalate	<0.00782		1.63	0.00782	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Di-n-butyl phthalate	<0.0127		0.325	0.0127	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
4,6-Dinitro-2-methylphenol	<0.101		0.325	0.101	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2,4-Dinitrophenol	<0.107		0.325	0.107	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2,4-Dinitrotoluene	<0.00879		0.325	0.00879	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2,6-Dinitrotoluene	<0.0303		0.325	0.0303	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Di-n-octyl phthalate	<0.0127		0.325	0.0127	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Fluoranthene	<0.00879		0.0655	0.00879	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 10-14**

**Lab Sample ID: 490-37411-2**

**Date Collected: 10/09/13 09:45**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 80.2**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0117		0.0655	0.0117	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Hexachlorobenzene	<0.0283		0.325	0.0283	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Hexachlorobutadiene	<0.0684		0.325	0.0684	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Hexachlorocyclopentadiene	<0.0156		0.325	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Hexachloroethane	<0.0195		0.325	0.0195	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Indeno[1,2,3-cd]pyrene	<0.00977		0.0655	0.00977	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Isophorone	<0.0576		0.325	0.0576	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2-Methylnaphthalene	<0.0156		0.0655	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2-Methylphenol	<0.0909		0.325	0.0909	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
3 & 4 Methylphenol	<0.0195		0.325	0.0195	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Naphthalene	<0.00879		0.0655	0.00879	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2-Nitroaniline	<0.0176		0.814	0.0176	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
3-Nitroaniline	<0.145		0.814	0.145	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
4-Nitroaniline	<0.0293		0.814	0.0293	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Nitrobenzene	<0.0166		0.325	0.0166	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2-Nitrophenol	<0.0127		0.325	0.0127	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
4-Nitrophenol	<0.0147		0.325	0.0147	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
N-Nitrosodi-n-propylamine	<0.0205		0.325	0.0205	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0156		0.325	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Pentachlorophenol	<0.122		0.814	0.122	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Phenanthrene	<0.00879		0.0655	0.00879	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Phenol	<0.0137		0.325	0.0137	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Pyrene	<0.0117		0.0655	0.0117	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
1,2,4,5-Tetrachlorobenzene	<0.252		1.63	0.252	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2,3,4,6-Tetrachlorophenol	<0.165		0.325	0.165	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2,4,5-Trichlorophenol	<0.0166		0.814	0.0166	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
2,4,6-Trichlorophenol	<0.0244		0.325	0.0244	mg/Kg	☼	10/14/13 09:19	10/16/13 00:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	37		29 - 120				10/14/13 09:19	10/16/13 00:25	1
2-Fluorophenol (Surr)	41		10 - 120				10/14/13 09:19	10/16/13 00:25	1
Nitrobenzene-d5 (Surr)	38		27 - 120				10/14/13 09:19	10/16/13 00:25	1
Phenol-d5 (Surr)	44		10 - 120				10/14/13 09:19	10/16/13 00:25	1
Terphenyl-d14 (Surr)	57		13 - 120				10/14/13 09:19	10/16/13 00:25	1
2,4,6-Tribromophenol (Surr)	53		10 - 120				10/14/13 09:19	10/16/13 00:25	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000304		0.00167	0.000304	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
alpha-BHC	<0.000196		0.00167	0.000196	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
beta-BHC	<0.00196		0.00324	0.00196	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
delta-BHC	<0.000373		0.00167	0.000373	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
gamma-BHC (Lindane)	<0.000382		0.00167	0.000382	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
alpha-Chlordane	<0.000422		0.00167	0.000422	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
gamma-Chlordane	<0.000775		0.00167	0.000775	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
Chlordane (technical)	<0.0356		0.0654	0.0356	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
<b>4,4'-DDD</b>	<b>0.00195</b>		0.00167	0.000422	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
<b>4,4'-DDE</b>	<b>0.00189</b>		0.00167	0.000490	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
<b>4,4'-DDT</b>	<b>0.00286</b>		0.00167	0.000833	mg/Kg	☼	10/14/13 06:57	10/18/13 19:28	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 10-14**

**Lab Sample ID: 490-37411-2**

**Date Collected: 10/09/13 09:45**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 80.2**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000392		0.00167	0.000392	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
Endosulfan I	<0.000461		0.00167	0.000461	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
Endosulfan II	<0.000539		0.00167	0.000539	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
Endosulfan sulfate	<0.000490		0.00167	0.000490	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
Endrin	<0.000422		0.00167	0.000422	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
Endrin aldehyde	<0.000500		0.00167	0.000500	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
Endrin ketone	<0.000578		0.00167	0.000578	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
Heptachlor	<0.000412		0.00167	0.000412	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
Heptachlor epoxide	<0.000637		0.00167	0.000637	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1
Methoxychlor	<0.000480		0.00324	0.000480	mg/Kg	☼	10/14/13 06:57	10/18/13 19:28	1
Toxaphene	<0.0414		0.0654	0.0414	mg/Kg	☼	10/14/13 06:57	10/15/13 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	60		21 - 145	10/14/13 06:57	10/15/13 16:13	1
DCB Decachlorobiphenyl (Surr)	78		25 - 150	10/14/13 06:57	10/15/13 16:13	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0122		0.0408	0.0122	mg/Kg	☼	10/14/13 15:34	10/16/13 22:30	1
PCB-1221	<0.0122		0.0408	0.0122	mg/Kg	☼	10/14/13 15:34	10/16/13 22:30	1
PCB-1232	<0.0245		0.0408	0.0245	mg/Kg	☼	10/14/13 15:34	10/16/13 22:30	1
PCB-1242	<0.0122		0.0408	0.0122	mg/Kg	☼	10/14/13 15:34	10/16/13 22:30	1
PCB-1248	<0.0122		0.0408	0.0122	mg/Kg	☼	10/14/13 15:34	10/16/13 22:30	1
PCB-1254	<0.0122		0.0408	0.0122	mg/Kg	☼	10/14/13 15:34	10/16/13 22:30	1
PCB-1260	<0.0122		0.0408	0.0122	mg/Kg	☼	10/14/13 15:34	10/16/13 22:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	73		20 - 150	10/14/13 15:34	10/16/13 22:30	1
Tetrachloro-m-xylene	92		19 - 147	10/14/13 15:34	10/16/13 22:30	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>5940</b>		25.1	20.1	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
Antimony	<1.76		12.6	1.76	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Arsenic</b>	<b>1.36</b>	<b>J</b>	2.51	1.19	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Barium</b>	<b>13.5</b>		2.51	0.251	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Beryllium</b>	<b>0.126</b>	<b>J</b>	1.26	0.126	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Cadmium</b>	<b>0.452</b>	<b>J</b>	1.26	0.126	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Calcium</b>	<b>1020</b>		251	55.3	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Chromium</b>	<b>11.5</b>		1.26	0.377	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Cobalt</b>	<b>0.779</b>	<b>J</b>	2.51	0.377	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
Copper	<2.14		2.51	2.14	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Iron</b>	<b>5380</b>	<b>B</b>	25.1	1.89	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Lead</b>	<b>3.04</b>		1.26	0.880	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Magnesium</b>	<b>587</b>		251	16.3	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Manganese</b>	<b>11.5</b>		3.77	0.415	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Nickel</b>	<b>1.94</b>	<b>J</b>	2.51	0.377	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
<b>Potassium</b>	<b>267</b>	<b>B</b>	251	25.1	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
Selenium	<1.89		2.51	1.89	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
Silver	<0.377		1.26	0.377	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 10-14**

**Lab Sample ID: 490-37411-2**

Date Collected: 10/09/13 09:45

Matrix: Soil

Date Received: 10/10/13 08:15

Percent Solids: 80.2

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	99.8	J B	251	25.1	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
Thallium	<1.51		2.51	1.51	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
Vanadium	9.75	J	12.6	3.90	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1
Zinc	9.53	J	12.6	1.26	mg/Kg	☼	10/16/13 06:58	10/16/13 22:23	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0516	J	0.124	0.0373	mg/Kg	☼	10/22/13 13:52	10/23/13 10:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.331		1.10	0.331	mg/Kg	☼	10/11/13 14:33	10/16/13 09:39	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80		0.10	0.10	%			10/10/13 13:50	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW2 20-24**

**Lab Sample ID: 490-37411-3**

**Date Collected: 10/09/13 10:50**

**Matrix: Ground Water**

**Date Received: 10/10/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/15/13 20:22	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 20:22	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 20:22	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 20:22	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 20:22	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 20:22	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 20:22	1
<b>Carbon disulfide</b>	<b>0.390</b>	<b>J</b>	1.00	0.220	ug/L			10/15/13 20:22	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 20:22	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 20:22	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 20:22	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 20:22	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 20:22	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 20:22	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 20:22	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 20:22	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 20:22	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 20:22	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 20:22	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 20:22	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 20:22	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 20:22	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 20:22	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 20:22	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 20:22	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 20:22	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 20:22	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 20:22	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 20:22	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 20:22	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 20:22	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 20:22	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/15/13 20:22	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 20:22	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 20:22	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 20:22	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 20:22	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 20:22	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 20:22	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 20:22	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 20:22	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 20:22	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 20:22	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 20:22	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 20:22	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 20:22	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 20:22	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 20:22	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 20:22	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW2 20-24**

**Lab Sample ID: 490-37411-3**

**Date Collected: 10/09/13 10:50**

**Matrix: Ground Water**

**Date Received: 10/10/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 20:22	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	95		70 - 130					10/15/13 20:22	1
Dibromofluoromethane (Surr)	105		70 - 130					10/15/13 20:22	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 130					10/15/13 20:22	1
Toluene-d8 (Surr)	102		70 - 130					10/15/13 20:22	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.342		1.87	0.342	ug/L		10/15/13 10:09	10/17/13 12:39	1
Acenaphthylene	<0.308		1.87	0.308	ug/L		10/15/13 10:09	10/17/13 12:39	1
Acetophenone	<1.78		9.35	1.78	ug/L		10/15/13 10:09	10/17/13 12:39	1
Anthracene	<0.825		1.87	0.825	ug/L		10/15/13 10:09	10/17/13 12:39	1
Atrazine	<3.46 *		9.35	3.46	ug/L		10/15/13 10:09	10/17/13 12:39	1
Benzaldehyde	<2.01 *		9.35	2.01	ug/L		10/15/13 10:09	10/17/13 12:39	1
Benzo[a]anthracene	<0.303		1.87	0.303	ug/L		10/15/13 10:09	10/17/13 12:39	1
Benzo[a]pyrene	<0.308		1.87	0.308	ug/L		10/15/13 10:09	10/17/13 12:39	1
Benzo[b]fluoranthene	<0.394		1.87	0.394	ug/L		10/15/13 10:09	10/17/13 12:39	1
Benzo[g,h,i]perylene	<0.268		1.87	0.268	ug/L		10/15/13 10:09	10/17/13 12:39	1
Benzo[k]fluoranthene	<0.340		1.87	0.340	ug/L		10/15/13 10:09	10/17/13 12:39	1
Biphenyl	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 12:39	1
Bis(2-chloroethoxy)methane	<1.27		9.35	1.27	ug/L		10/15/13 10:09	10/17/13 12:39	1
Bis(2-chloroethyl)ether	<1.30		9.35	1.30	ug/L		10/15/13 10:09	10/17/13 12:39	1
bis (2-chloroisopropyl) ether	<1.83		9.35	1.83	ug/L		10/15/13 10:09	10/17/13 12:39	1
Bis(2-ethylhexyl) phthalate	<1.93		9.35	1.93	ug/L		10/15/13 10:09	10/17/13 12:39	1
4-Bromophenyl phenyl ether	<1.28		9.35	1.28	ug/L		10/15/13 10:09	10/17/13 12:39	1
Butyl benzyl phthalate	<1.63		9.35	1.63	ug/L		10/15/13 10:09	10/17/13 12:39	1
Caprolactam	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 12:39	1
Carbazole	<0.279		9.35	0.279	ug/L		10/15/13 10:09	10/17/13 12:39	1
4-Chloroaniline	<1.09		9.35	1.09	ug/L		10/15/13 10:09	10/17/13 12:39	1
4-Chloro-3-methylphenol	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 12:39	1
2-Chloronaphthalene	<1.53		9.35	1.53	ug/L		10/15/13 10:09	10/17/13 12:39	1
2-Chlorophenol	<1.49		9.35	1.49	ug/L		10/15/13 10:09	10/17/13 12:39	1
4-Chlorophenyl phenyl ether	<1.64		9.35	1.64	ug/L		10/15/13 10:09	10/17/13 12:39	1
Chrysene	<1.02		1.87	1.02	ug/L		10/15/13 10:09	10/17/13 12:39	1
Dibenz(a,h)anthracene	<0.602		1.87	0.602	ug/L		10/15/13 10:09	10/17/13 12:39	1
Dibenzofuran	<0.317		9.35	0.317	ug/L		10/15/13 10:09	10/17/13 12:39	1
3,3'-Dichlorobenzidine	<1.42		9.35	1.42	ug/L		10/15/13 10:09	10/17/13 12:39	1
2,4-Dichlorophenol	<0.953		9.35	0.953	ug/L		10/15/13 10:09	10/17/13 12:39	1
Diethyl phthalate	<1.51		9.35	1.51	ug/L		10/15/13 10:09	10/17/13 12:39	1
2,4-Dimethylphenol	<0.931		9.35	0.931	ug/L		10/15/13 10:09	10/17/13 12:39	1
Dimethyl phthalate	<1.69		9.35	1.69	ug/L		10/15/13 10:09	10/17/13 12:39	1
Di-n-butyl phthalate	<1.40		9.35	1.40	ug/L		10/15/13 10:09	10/17/13 12:39	1
4,6-Dinitro-2-methylphenol	<1.93		23.4	1.93	ug/L		10/15/13 10:09	10/17/13 12:39	1
2,4-Dinitrophenol	<2.30		23.4	2.30	ug/L		10/15/13 10:09	10/17/13 12:39	1
2,4-Dinitrotoluene	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 12:39	1
2,6-Dinitrotoluene	<1.81		9.35	1.81	ug/L		10/15/13 10:09	10/17/13 12:39	1
Di-n-octyl phthalate	<2.16		9.35	2.16	ug/L		10/15/13 10:09	10/17/13 12:39	1
Fluoranthene	<0.324		1.87	0.324	ug/L		10/15/13 10:09	10/17/13 12:39	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW2 20-24**

**Lab Sample ID: 490-37411-3**

**Date Collected: 10/09/13 10:50**

**Matrix: Ground Water**

**Date Received: 10/10/13 08:15**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.295		1.87	0.295	ug/L		10/15/13 10:09	10/17/13 12:39	1
Hexachlorobenzene	<1.58		9.35	1.58	ug/L		10/15/13 10:09	10/17/13 12:39	1
Hexachlorobutadiene	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 12:39	1
Hexachlorocyclopentadiene	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 12:39	1
Hexachloroethane	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 12:39	1
Indeno[1,2,3-cd]pyrene	<0.356		1.87	0.356	ug/L		10/15/13 10:09	10/17/13 12:39	1
Isophorone	<1.16		9.35	1.16	ug/L		10/15/13 10:09	10/17/13 12:39	1
2-Methylnaphthalene	<0.291		1.87	0.291	ug/L		10/15/13 10:09	10/17/13 12:39	1
2-Methylphenol	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 12:39	1
3 & 4 Methylphenol	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 12:39	1
Naphthalene	<0.372		1.87	0.372	ug/L		10/15/13 10:09	10/17/13 12:39	1
2-Nitroaniline	<0.972		23.4	0.972	ug/L		10/15/13 10:09	10/17/13 12:39	1
3-Nitroaniline	<1.73		23.4	1.73	ug/L		10/15/13 10:09	10/17/13 12:39	1
4-Nitroaniline	<2.23		23.4	2.23	ug/L		10/15/13 10:09	10/17/13 12:39	1
Nitrobenzene	<1.16		9.35	1.16	ug/L		10/15/13 10:09	10/17/13 12:39	1
2-Nitrophenol	<1.47		9.35	1.47	ug/L		10/15/13 10:09	10/17/13 12:39	1
4-Nitrophenol	<3.11		23.4	3.11	ug/L		10/15/13 10:09	10/17/13 12:39	1
N-Nitrosodi-n-propylamine	<1.33		9.35	1.33	ug/L		10/15/13 10:09	10/17/13 12:39	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.35		9.35	1.35	ug/L		10/15/13 10:09	10/17/13 12:39	1
Pentachlorophenol	<1.54		23.4	1.54	ug/L		10/15/13 10:09	10/17/13 12:39	1
Phenanthrene	<0.321		1.87	0.321	ug/L		10/15/13 10:09	10/17/13 12:39	1
Phenol	<3.22		9.35	3.22	ug/L		10/15/13 10:09	10/17/13 12:39	1
Pyrene	<0.309		1.87	0.309	ug/L		10/15/13 10:09	10/17/13 12:39	1
1,2,4,5-Tetrachlorobenzene	<3.78		9.35	3.78	ug/L		10/15/13 10:09	10/17/13 12:39	1
2,3,4,6-Tetrachlorophenol	<3.39		9.35	3.39	ug/L		10/15/13 10:09	10/17/13 12:39	1
2,4,5-Trichlorophenol	<1.90		23.4	1.90	ug/L		10/15/13 10:09	10/17/13 12:39	1
2,4,6-Trichlorophenol	<1.64		9.35	1.64	ug/L		10/15/13 10:09	10/17/13 12:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	57		29 - 120				10/15/13 10:09	10/17/13 12:39	1
2-Fluorophenol (Surr)	38		10 - 120				10/15/13 10:09	10/17/13 12:39	1
Nitrobenzene-d5 (Surr)	62		27 - 120				10/15/13 10:09	10/17/13 12:39	1
Phenol-d5 (Surr)	23		10 - 120				10/15/13 10:09	10/17/13 12:39	1
Terphenyl-d14 (Surr)	34		13 - 120				10/15/13 10:09	10/17/13 12:39	1
2,4,6-Tribromophenol (Surr)	66		10 - 120				10/15/13 10:09	10/17/13 12:39	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00567		0.0240	0.00567	ug/L		10/10/13 16:43	10/11/13 14:09	1
alpha-BHC	<0.0107		0.0240	0.0107	ug/L		10/10/13 16:43	10/11/13 14:09	1
beta-BHC	<0.00673		0.0240	0.00673	ug/L		10/10/13 16:43	10/11/13 14:09	1
delta-BHC	<0.00740		0.0240	0.00740	ug/L		10/10/13 16:43	10/11/13 14:09	1
gamma-BHC (Lindane)	<0.00548		0.0240	0.00548	ug/L		10/10/13 16:43	10/11/13 14:09	1
alpha-Chlordane	<0.00510		0.0240	0.00510	ug/L		10/10/13 16:43	10/11/13 14:09	1
gamma-Chlordane	<0.0173		0.0240	0.0173	ug/L		10/10/13 16:43	10/11/13 14:09	1
Chlordane (technical)	<0.176		1.92	0.176	ug/L		10/10/13 16:43	10/11/13 14:09	1
4,4'-DDD	<0.00740		0.0240	0.00740	ug/L		10/10/13 16:43	10/11/13 14:09	1
4,4'-DDE	<0.00952		0.0240	0.00952	ug/L		10/10/13 16:43	10/11/13 14:09	1
4,4'-DDT	<0.00856		0.0240	0.00856	ug/L		10/10/13 16:43	10/11/13 14:09	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW2 20-24**

**Lab Sample ID: 490-37411-3**

**Date Collected: 10/09/13 10:50**

**Matrix: Ground Water**

**Date Received: 10/10/13 08:15**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00548		0.0240	0.00548	ug/L		10/10/13 16:43	10/11/13 14:09	1
Endosulfan I	<0.00750		0.0240	0.00750	ug/L		10/10/13 16:43	10/11/13 14:09	1
Endosulfan II	<0.00519		0.0240	0.00519	ug/L		10/10/13 16:43	10/11/13 14:09	1
Endosulfan sulfate	<0.00625		0.0240	0.00625	ug/L		10/10/13 16:43	10/11/13 14:09	1
Endrin	<0.00635		0.0240	0.00635	ug/L		10/10/13 16:43	10/11/13 14:09	1
Endrin aldehyde	<0.00837		0.0240	0.00837	ug/L		10/10/13 16:43	10/11/13 14:09	1
Endrin ketone	<0.00625		0.0240	0.00625	ug/L		10/10/13 16:43	10/11/13 14:09	1
Heptachlor	<0.00548		0.0240	0.00548	ug/L		10/10/13 16:43	10/11/13 14:09	1
Heptachlor epoxide	<0.00673		0.0240	0.00673	ug/L		10/10/13 16:43	10/11/13 14:09	1
Methoxychlor	<0.00510		0.0240	0.00510	ug/L		10/10/13 16:43	10/11/13 14:09	1
Toxaphene	<0.0397		1.92	0.0397	ug/L		10/10/13 16:43	10/11/13 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		38 - 150	10/10/13 16:43	10/11/13 14:09	1
DCB Decachlorobiphenyl (Surr)	22		10 - 141	10/10/13 16:43	10/11/13 14:09	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0467		0.476	0.0467	ug/L		10/11/13 08:15	10/12/13 13:51	1
PCB-1221	<0.248		0.476	0.248	ug/L		10/11/13 08:15	10/12/13 13:51	1
PCB-1232	<0.0667		0.476	0.0667	ug/L		10/11/13 08:15	10/12/13 13:51	1
PCB-1242	<0.0610		0.476	0.0610	ug/L		10/11/13 08:15	10/12/13 13:51	1
PCB-1248	<0.0657		0.476	0.0657	ug/L		10/11/13 08:15	10/12/13 13:51	1
PCB-1254	<0.00667		0.476	0.00667	ug/L		10/11/13 08:15	10/12/13 13:51	1
PCB-1260	<0.0114		0.476	0.0114	ug/L		10/11/13 08:15	10/12/13 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	18		10 - 150	10/11/13 08:15	10/12/13 13:51	1
Tetrachloro-m-xylene	99		10 - 150	10/11/13 08:15	10/12/13 13:51	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>48.5</b>	<b>B</b>	0.100	0.0680	mg/L		10/14/13 14:59	10/16/13 06:56	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Arsenic</b>	<b>0.0774</b>		0.0100	0.00470	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Barium</b>	<b>0.197</b>		0.0100	0.000500	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Beryllium</b>	<b>0.00460</b>		0.00400	0.000300	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Cadmium</b>	<b>0.00420</b>		0.00100	0.000200	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Calcium</b>	<b>435</b>		1.00	0.150	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Chromium</b>	<b>0.226</b>		0.00500	0.00120	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Cobalt</b>	<b>0.0294</b>		0.0100	0.000900	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Copper</b>	<b>0.0240</b>		0.0100	0.00700	mg/L		10/14/13 14:59	10/16/13 19:44	1
<b>Iron</b>	<b>88.1</b>	<b>B</b>	0.100	0.0100	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Lead</b>	<b>0.0841</b>		0.00500	0.00350	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Magnesium</b>	<b>35.1</b>		1.00	0.0530	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Manganese</b>	<b>0.938</b>		0.0150	0.00200	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Nickel</b>	<b>0.105</b>		0.0100	0.00130	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Potassium</b>	<b>10.9</b>	<b>B</b>	1.00	0.0880	mg/L		10/14/13 14:59	10/16/13 06:56	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/14/13 14:59	10/16/13 06:56	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/14/13 14:59	10/16/13 06:56	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW2 20-24**

**Lab Sample ID: 490-37411-3**

Date Collected: 10/09/13 10:50

Matrix: Ground Water

Date Received: 10/10/13 08:15

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>294</b>	<b>B</b>	1.00	0.360	mg/L		10/14/13 14:59	10/16/13 06:56	1
Thallium	<0.00450	^	0.0100	0.00450	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Vanadium</b>	<b>0.153</b>		0.0200	0.0150	mg/L		10/14/13 14:59	10/16/13 06:56	1
<b>Zinc</b>	<b>0.137</b>		0.0500	0.0100	mg/L		10/14/13 14:59	10/16/13 06:56	1

**Method: 6010C - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.0729</b>	<b>J</b>	0.100	0.0680	mg/L		10/16/13 09:22	10/17/13 17:16	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/16/13 09:22	10/17/13 17:16	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/16/13 09:22	10/17/13 17:16	1
<b>Barium</b>	<b>0.0842</b>		0.0100	0.000500	mg/L		10/16/13 09:22	10/17/13 17:16	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/16/13 09:22	10/17/13 17:16	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/16/13 09:22	10/17/13 17:16	1
<b>Calcium</b>	<b>239</b>		1.00	0.150	mg/L		10/16/13 09:22	10/17/13 17:16	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/16/13 09:22	10/17/13 17:16	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/16/13 09:22	10/17/13 17:16	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/16/13 09:22	10/17/13 17:16	1
Iron	<0.0100		0.100	0.0100	mg/L		10/16/13 09:22	10/17/13 17:16	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/16/13 09:22	10/17/13 17:16	1
<b>Magnesium</b>	<b>27.1</b>	<b>B</b>	1.00	0.0530	mg/L		10/16/13 09:22	10/17/13 17:16	1
<b>Manganese</b>	<b>0.241</b>		0.0150	0.00200	mg/L		10/16/13 09:22	10/17/13 17:16	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/16/13 09:22	10/17/13 17:16	1
<b>Potassium</b>	<b>5.96</b>	<b>B</b>	1.00	0.0880	mg/L		10/16/13 09:22	10/17/13 17:16	1
<b>Selenium</b>	<b>0.00700</b>	<b>J</b>	0.0100	0.00640	mg/L		10/16/13 09:22	10/17/13 17:16	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/16/13 09:22	10/17/13 17:16	1
<b>Sodium</b>	<b>368</b>	<b>B</b>	1.00	0.360	mg/L		10/16/13 09:22	10/17/13 17:16	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/16/13 09:22	10/17/13 17:16	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/16/13 09:22	10/17/13 17:16	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/16/13 09:22	10/17/13 17:16	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/22/13 07:04	10/22/13 12:11	1

**Method: 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/22/13 06:42	10/22/13 12:35	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW2 20-24**

**Lab Sample ID: 490-37411-4**

**Date Collected: 10/09/13 16:15**

**Matrix: Ground Water**

**Date Received: 10/10/13 08:15**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.00300		0.0100	0.00300	mg/L			10/10/13 13:59	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW3**

**Lab Sample ID: 490-37411-5**

**Date Collected: 10/09/13 16:00**

**Matrix: Ground Water**

**Date Received: 10/10/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/15/13 19:55	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 19:55	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 19:55	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 19:55	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 19:55	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 19:55	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 19:55	1
<b>Carbon disulfide</b>	<b>0.477</b>	<b>J</b>	1.00	0.220	ug/L			10/15/13 19:55	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 19:55	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 19:55	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 19:55	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 19:55	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 19:55	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 19:55	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 19:55	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 19:55	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 19:55	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 19:55	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 19:55	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 19:55	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 19:55	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 19:55	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 19:55	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 19:55	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 19:55	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 19:55	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 19:55	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 19:55	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 19:55	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 19:55	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 19:55	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 19:55	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/15/13 19:55	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 19:55	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 19:55	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 19:55	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 19:55	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 19:55	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 19:55	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 19:55	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 19:55	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 19:55	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 19:55	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 19:55	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 19:55	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 19:55	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 19:55	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 19:55	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 19:55	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW3**

**Lab Sample ID: 490-37411-5**

**Date Collected: 10/09/13 16:00**

**Matrix: Ground Water**

**Date Received: 10/10/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 19:55	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	101		70 - 130					10/15/13 19:55	1
Dibromofluoromethane (Surr)	107		70 - 130					10/15/13 19:55	1
1,2-Dichloroethane-d4 (Surr)	117		70 - 130					10/15/13 19:55	1
Toluene-d8 (Surr)	102		70 - 130					10/15/13 19:55	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.342		1.87	0.342	ug/L		10/15/13 10:09	10/17/13 13:01	1
Acenaphthylene	<0.308		1.87	0.308	ug/L		10/15/13 10:09	10/17/13 13:01	1
Acetophenone	<1.78		9.35	1.78	ug/L		10/15/13 10:09	10/17/13 13:01	1
Anthracene	<0.825		1.87	0.825	ug/L		10/15/13 10:09	10/17/13 13:01	1
Atrazine	<3.46 *		9.35	3.46	ug/L		10/15/13 10:09	10/17/13 13:01	1
Benzaldehyde	<2.01 *		9.35	2.01	ug/L		10/15/13 10:09	10/17/13 13:01	1
Benzo[a]anthracene	<0.303		1.87	0.303	ug/L		10/15/13 10:09	10/17/13 13:01	1
Benzo[a]pyrene	<0.308		1.87	0.308	ug/L		10/15/13 10:09	10/17/13 13:01	1
Benzo[b]fluoranthene	<0.394		1.87	0.394	ug/L		10/15/13 10:09	10/17/13 13:01	1
Benzo[g,h,i]perylene	<0.268		1.87	0.268	ug/L		10/15/13 10:09	10/17/13 13:01	1
Benzo[k]fluoranthene	<0.340		1.87	0.340	ug/L		10/15/13 10:09	10/17/13 13:01	1
Biphenyl	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 13:01	1
Bis(2-chloroethoxy)methane	<1.27		9.35	1.27	ug/L		10/15/13 10:09	10/17/13 13:01	1
Bis(2-chloroethyl)ether	<1.30		9.35	1.30	ug/L		10/15/13 10:09	10/17/13 13:01	1
bis (2-chloroisopropyl) ether	<1.83		9.35	1.83	ug/L		10/15/13 10:09	10/17/13 13:01	1
Bis(2-ethylhexyl) phthalate	<1.93		9.35	1.93	ug/L		10/15/13 10:09	10/17/13 13:01	1
4-Bromophenyl phenyl ether	<1.28		9.35	1.28	ug/L		10/15/13 10:09	10/17/13 13:01	1
Butyl benzyl phthalate	<1.63		9.35	1.63	ug/L		10/15/13 10:09	10/17/13 13:01	1
Caprolactam	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 13:01	1
Carbazole	<0.279		9.35	0.279	ug/L		10/15/13 10:09	10/17/13 13:01	1
4-Chloroaniline	<1.09		9.35	1.09	ug/L		10/15/13 10:09	10/17/13 13:01	1
4-Chloro-3-methylphenol	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 13:01	1
2-Chloronaphthalene	<1.53		9.35	1.53	ug/L		10/15/13 10:09	10/17/13 13:01	1
2-Chlorophenol	<1.49		9.35	1.49	ug/L		10/15/13 10:09	10/17/13 13:01	1
4-Chlorophenyl phenyl ether	<1.64		9.35	1.64	ug/L		10/15/13 10:09	10/17/13 13:01	1
Chrysene	<1.02		1.87	1.02	ug/L		10/15/13 10:09	10/17/13 13:01	1
Dibenz(a,h)anthracene	<0.602		1.87	0.602	ug/L		10/15/13 10:09	10/17/13 13:01	1
Dibenzofuran	<0.317		9.35	0.317	ug/L		10/15/13 10:09	10/17/13 13:01	1
3,3'-Dichlorobenzidine	<1.42		9.35	1.42	ug/L		10/15/13 10:09	10/17/13 13:01	1
2,4-Dichlorophenol	<0.953		9.35	0.953	ug/L		10/15/13 10:09	10/17/13 13:01	1
Diethyl phthalate	<1.51		9.35	1.51	ug/L		10/15/13 10:09	10/17/13 13:01	1
2,4-Dimethylphenol	<0.931		9.35	0.931	ug/L		10/15/13 10:09	10/17/13 13:01	1
Dimethyl phthalate	<1.69		9.35	1.69	ug/L		10/15/13 10:09	10/17/13 13:01	1
Di-n-butyl phthalate	<1.40		9.35	1.40	ug/L		10/15/13 10:09	10/17/13 13:01	1
4,6-Dinitro-2-methylphenol	<1.93		23.4	1.93	ug/L		10/15/13 10:09	10/17/13 13:01	1
2,4-Dinitrophenol	<2.30		23.4	2.30	ug/L		10/15/13 10:09	10/17/13 13:01	1
2,4-Dinitrotoluene	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 13:01	1
2,6-Dinitrotoluene	<1.81		9.35	1.81	ug/L		10/15/13 10:09	10/17/13 13:01	1
Di-n-octyl phthalate	<2.16		9.35	2.16	ug/L		10/15/13 10:09	10/17/13 13:01	1
Fluoranthene	<0.324		1.87	0.324	ug/L		10/15/13 10:09	10/17/13 13:01	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW3**

**Lab Sample ID: 490-37411-5**

**Date Collected: 10/09/13 16:00**

**Matrix: Ground Water**

**Date Received: 10/10/13 08:15**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.295		1.87	0.295	ug/L		10/15/13 10:09	10/17/13 13:01	1
Hexachlorobenzene	<1.58		9.35	1.58	ug/L		10/15/13 10:09	10/17/13 13:01	1
Hexachlorobutadiene	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 13:01	1
Hexachlorocyclopentadiene	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 13:01	1
Hexachloroethane	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 13:01	1
Indeno[1,2,3-cd]pyrene	<0.356		1.87	0.356	ug/L		10/15/13 10:09	10/17/13 13:01	1
Isophorone	<1.16		9.35	1.16	ug/L		10/15/13 10:09	10/17/13 13:01	1
2-Methylnaphthalene	<0.291		1.87	0.291	ug/L		10/15/13 10:09	10/17/13 13:01	1
2-Methylphenol	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 13:01	1
3 & 4 Methylphenol	<3.11		9.35	3.11	ug/L		10/15/13 10:09	10/17/13 13:01	1
Naphthalene	<0.372		1.87	0.372	ug/L		10/15/13 10:09	10/17/13 13:01	1
2-Nitroaniline	<0.972		23.4	0.972	ug/L		10/15/13 10:09	10/17/13 13:01	1
3-Nitroaniline	<1.73		23.4	1.73	ug/L		10/15/13 10:09	10/17/13 13:01	1
4-Nitroaniline	<2.23		23.4	2.23	ug/L		10/15/13 10:09	10/17/13 13:01	1
Nitrobenzene	<1.16		9.35	1.16	ug/L		10/15/13 10:09	10/17/13 13:01	1
2-Nitrophenol	<1.47		9.35	1.47	ug/L		10/15/13 10:09	10/17/13 13:01	1
4-Nitrophenol	<3.11		23.4	3.11	ug/L		10/15/13 10:09	10/17/13 13:01	1
N-Nitrosodi-n-propylamine	<1.33		9.35	1.33	ug/L		10/15/13 10:09	10/17/13 13:01	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.35		9.35	1.35	ug/L		10/15/13 10:09	10/17/13 13:01	1
Pentachlorophenol	<1.54		23.4	1.54	ug/L		10/15/13 10:09	10/17/13 13:01	1
Phenanthrene	<0.321		1.87	0.321	ug/L		10/15/13 10:09	10/17/13 13:01	1
Phenol	<3.22		9.35	3.22	ug/L		10/15/13 10:09	10/17/13 13:01	1
Pyrene	<0.309		1.87	0.309	ug/L		10/15/13 10:09	10/17/13 13:01	1
1,2,4,5-Tetrachlorobenzene	<3.78		9.35	3.78	ug/L		10/15/13 10:09	10/17/13 13:01	1
2,3,4,6-Tetrachlorophenol	<3.39		9.35	3.39	ug/L		10/15/13 10:09	10/17/13 13:01	1
2,4,5-Trichlorophenol	<1.90		23.4	1.90	ug/L		10/15/13 10:09	10/17/13 13:01	1
2,4,6-Trichlorophenol	<1.64		9.35	1.64	ug/L		10/15/13 10:09	10/17/13 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	35		29 - 120	10/15/13 10:09	10/17/13 13:01	1
2-Fluorophenol (Surr)	25		10 - 120	10/15/13 10:09	10/17/13 13:01	1
Nitrobenzene-d5 (Surr)	39		27 - 120	10/15/13 10:09	10/17/13 13:01	1
Phenol-d5 (Surr)	16		10 - 120	10/15/13 10:09	10/17/13 13:01	1
Terphenyl-d14 (Surr)	27		13 - 120	10/15/13 10:09	10/17/13 13:01	1
2,4,6-Tribromophenol (Surr)	42		10 - 120	10/15/13 10:09	10/17/13 13:01	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.567		2.40	0.567	ug/L		10/10/13 16:58	10/14/13 15:53	100
alpha-BHC	<1.07		2.40	1.07	ug/L		10/10/13 16:58	10/14/13 15:53	100
beta-BHC	<0.673		2.40	0.673	ug/L		10/10/13 16:58	10/14/13 15:53	100
delta-BHC	<0.740		2.40	0.740	ug/L		10/10/13 16:58	10/14/13 15:53	100
gamma-BHC (Lindane)	<0.548		2.40	0.548	ug/L		10/10/13 16:58	10/14/13 15:53	100
alpha-Chlordane	<0.510		2.40	0.510	ug/L		10/10/13 16:58	10/14/13 15:53	100
gamma-Chlordane	<1.73		2.40	1.73	ug/L		10/10/13 16:58	10/14/13 15:53	100
Chlordane (technical)	<17.6		192	17.6	ug/L		10/10/13 16:58	10/14/13 15:53	100
4,4'-DDD	<0.740		2.40	0.740	ug/L		10/10/13 16:58	10/14/13 15:53	100
4,4'-DDE	<0.952		2.40	0.952	ug/L		10/10/13 16:58	10/14/13 15:53	100
4,4'-DDT	<0.856		2.40	0.856	ug/L		10/10/13 16:58	10/14/13 15:53	100

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW3**

**Lab Sample ID: 490-37411-5**

Date Collected: 10/09/13 16:00

Matrix: Ground Water

Date Received: 10/10/13 08:15

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.548		2.40	0.548	ug/L		10/10/13 16:58	10/14/13 15:53	100
Endosulfan I	<0.750		2.40	0.750	ug/L		10/10/13 16:58	10/14/13 15:53	100
Endosulfan II	<0.519		2.40	0.519	ug/L		10/10/13 16:58	10/14/13 15:53	100
Endosulfan sulfate	<0.625		2.40	0.625	ug/L		10/10/13 16:58	10/14/13 15:53	100
Endrin	<0.635		2.40	0.635	ug/L		10/10/13 16:58	10/14/13 15:53	100
Endrin aldehyde	<0.837		2.40	0.837	ug/L		10/10/13 16:58	10/14/13 15:53	100
Endrin ketone	<0.625		2.40	0.625	ug/L		10/10/13 16:58	10/14/13 15:53	100
Heptachlor	<0.548		2.40	0.548	ug/L		10/10/13 16:58	10/14/13 15:53	100
Heptachlor epoxide	<0.673		2.40	0.673	ug/L		10/10/13 16:58	10/14/13 15:53	100
Methoxychlor	<0.510		2.40	0.510	ug/L		10/10/13 16:58	10/14/13 15:53	100
Toxaphene	<3.97		192	3.97	ug/L		10/10/13 16:58	10/14/13 15:53	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75	p	38 - 150	10/10/13 16:58	10/14/13 15:53	100
DCB Decachlorobiphenyl (Surr)	-10	X	10 - 141	10/10/13 16:58	10/14/13 15:53	100

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0516		0.526	0.0516	ug/L		10/11/13 08:15	10/12/13 14:13	1
PCB-1221	<0.274		0.526	0.274	ug/L		10/11/13 08:15	10/12/13 14:13	1
PCB-1232	<0.0737		0.526	0.0737	ug/L		10/11/13 08:15	10/12/13 14:13	1
PCB-1242	<0.0674		0.526	0.0674	ug/L		10/11/13 08:15	10/12/13 14:13	1
PCB-1248	<0.0726		0.526	0.0726	ug/L		10/11/13 08:15	10/12/13 14:13	1
PCB-1254	<0.00737		0.526	0.00737	ug/L		10/11/13 08:15	10/12/13 14:13	1
PCB-1260	<0.0126		0.526	0.0126	ug/L		10/11/13 08:15	10/12/13 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	33		10 - 150	10/11/13 08:15	10/12/13 14:13	1
Tetrachloro-m-xylene	69		10 - 150	10/11/13 08:15	10/12/13 14:13	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>6.53</b>	<b>B</b>	1.00	0.680	mg/L		10/14/13 14:59	10/16/13 20:02	10
Antimony	<0.0670		0.100	0.0670	mg/L		10/14/13 14:59	10/16/13 20:02	10
Arsenic	<0.0470		0.100	0.0470	mg/L		10/14/13 14:59	10/16/13 20:02	10
<b>Barium</b>	<b>0.0510</b>	<b>J</b>	0.100	0.00500	mg/L		10/14/13 14:59	10/16/13 20:02	10
Beryllium	<0.00300		0.0400	0.00300	mg/L		10/14/13 14:59	10/16/13 20:02	10
<b>Cadmium</b>	<b>0.00200</b>	<b>J</b>	0.0100	0.00200	mg/L		10/14/13 14:59	10/16/13 20:02	10
<b>Calcium</b>	<b>182</b>		10.0	1.50	mg/L		10/14/13 14:59	10/16/13 20:02	10
<b>Chromium</b>	<b>0.241</b>		0.0500	0.0120	mg/L		10/14/13 14:59	10/16/13 20:02	10
Cobalt	<0.00900		0.100	0.00900	mg/L		10/14/13 14:59	10/16/13 20:02	10
Copper	<0.0700		0.100	0.0700	mg/L		10/14/13 14:59	10/16/13 20:02	10
<b>Iron</b>	<b>8.87</b>	<b>B</b>	1.00	0.100	mg/L		10/14/13 14:59	10/16/13 20:02	10
Lead	<0.0350		0.0500	0.0350	mg/L		10/14/13 14:59	10/16/13 20:02	10
<b>Magnesium</b>	<b>271</b>		10.0	0.530	mg/L		10/14/13 14:59	10/16/13 20:02	10
<b>Manganese</b>	<b>0.199</b>		0.150	0.0200	mg/L		10/14/13 14:59	10/16/13 20:02	10
<b>Nickel</b>	<b>0.149</b>		0.100	0.0130	mg/L		10/14/13 14:59	10/16/13 20:02	10
<b>Potassium</b>	<b>113</b>	<b>B</b>	10.0	0.880	mg/L		10/14/13 14:59	10/16/13 20:02	10
Selenium	<0.0640		0.100	0.0640	mg/L		10/14/13 14:59	10/16/13 20:02	10
Silver	<0.0130		0.0500	0.0130	mg/L		10/14/13 14:59	10/16/13 20:02	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW3**

**Lab Sample ID: 490-37411-5**

Date Collected: 10/09/13 16:00

Matrix: Ground Water

Date Received: 10/10/13 08:15

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>3130</b>	<b>B</b>	10.0	3.60	mg/L		10/14/13 14:59	10/16/13 20:02	10
Thallium	<0.0450		0.100	0.0450	mg/L		10/14/13 14:59	10/16/13 20:02	10
Vanadium	<0.150		0.200	0.150	mg/L		10/14/13 14:59	10/16/13 20:02	10
<b>Zinc</b>	<b>0.103</b>	<b>J</b>	0.500	0.100	mg/L		10/14/13 14:59	10/16/13 20:02	10

**Method: 6010C - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.680		1.00	0.680	mg/L		10/16/13 09:22	10/18/13 14:32	10
Antimony	<0.0670		0.100	0.0670	mg/L		10/16/13 09:22	10/18/13 14:32	10
Arsenic	<0.0470		0.100	0.0470	mg/L		10/16/13 09:22	10/18/13 14:32	10
<b>Barium</b>	<b>0.0420</b>	<b>J</b>	0.100	0.00500	mg/L		10/16/13 09:22	10/18/13 14:32	10
Beryllium	<0.00300		0.0400	0.00300	mg/L		10/16/13 09:22	10/18/13 14:32	10
Cadmium	<0.00200		0.0100	0.00200	mg/L		10/16/13 09:22	10/18/13 14:32	10
<b>Calcium</b>	<b>109</b>		10.0	1.50	mg/L		10/16/13 09:22	10/18/13 14:32	10
Chromium	<0.0120		0.0500	0.0120	mg/L		10/16/13 09:22	10/18/13 14:32	10
Cobalt	<0.00900		0.100	0.00900	mg/L		10/16/13 09:22	10/18/13 14:32	10
Copper	<0.0700		0.100	0.0700	mg/L		10/16/13 09:22	10/18/13 14:32	10
Iron	<0.100		1.00	0.100	mg/L		10/16/13 09:22	10/18/13 14:32	10
Lead	<0.0350		0.0500	0.0350	mg/L		10/16/13 09:22	10/18/13 14:32	10
<b>Magnesium</b>	<b>321</b>	<b>B</b>	10.0	0.530	mg/L		10/16/13 09:22	10/18/13 14:32	10
<b>Manganese</b>	<b>0.141</b>	<b>J</b>	0.150	0.0200	mg/L		10/16/13 09:22	10/18/13 14:32	10
Nickel	<0.0130		0.100	0.0130	mg/L		10/16/13 09:22	10/18/13 14:32	10
<b>Potassium</b>	<b>144</b>	<b>B</b>	10.0	0.880	mg/L		10/16/13 09:22	10/18/13 14:32	10
Selenium	<0.0640		0.100	0.0640	mg/L		10/16/13 09:22	10/18/13 14:32	10
Silver	<0.0130		0.0500	0.0130	mg/L		10/16/13 09:22	10/18/13 14:32	10
<b>Sodium</b>	<b>3730</b>	<b>B</b>	10.0	3.60	mg/L		10/16/13 09:22	10/18/13 14:32	10
Thallium	<0.0450		0.100	0.0450	mg/L		10/16/13 09:22	10/18/13 14:32	10
Vanadium	<0.150		0.200	0.150	mg/L		10/16/13 09:22	10/18/13 14:32	10
Zinc	<0.100		0.500	0.100	mg/L		10/16/13 09:22	10/18/13 14:32	10

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/22/13 07:04	10/22/13 12:14	1

**Method: 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/22/13 06:42	10/22/13 12:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.00300		0.0100	0.00300	mg/L			10/10/13 13:59	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB3 0-2**

**Lab Sample ID: 490-37411-6**

Date Collected: 10/09/13 13:30

Matrix: Soil

Date Received: 10/10/13 08:15

Percent Solids: 85.0

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0540		0.0675	0.0540	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Benzene	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Bromochloromethane	<0.000743		0.00270	0.000743	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Bromodichloromethane	<0.000743		0.00270	0.000743	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Bromoform	<0.000743		0.00270	0.000743	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Bromomethane	<0.00162		0.00270	0.00162	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
2-Butanone (MEK)	<0.00689		0.0675	0.00689	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
<b>Carbon disulfide</b>	<b>0.0597</b>		0.00675	0.00486	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Carbon tetrachloride	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Chlorobenzene	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Chlorodibromomethane	<0.000459		0.00270	0.000459	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Chloroethane	<0.00257		0.00675	0.00257	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Chloroform	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Chloromethane	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
cis-1,2-Dichloroethene	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
cis-1,3-Dichloropropene	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Cyclohexane	<0.00446		0.0135	0.00446	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,2-Dibromo-3-Chloropropane	<0.000945		0.00675	0.000945	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,2-Dibromoethane (EDB)	<0.00135		0.00270	0.00135	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,2-Dichlorobenzene	<0.000459		0.00270	0.000459	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,3-Dichlorobenzene	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,4-Dichlorobenzene	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Dichlorodifluoromethane	<0.00135		0.00270	0.00135	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,1-Dichloroethane	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,2-Dichloroethane	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,1-Dichloroethene	<0.000770		0.00270	0.000770	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,2-Dichloropropane	<0.00127		0.00270	0.00127	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Ethylbenzene	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
2-Hexanone	<0.0226		0.0675	0.0226	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Isopropylbenzene	<0.000554		0.00270	0.000554	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Methyl acetate	<0.00324		0.0135	0.00324	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Methylcyclohexane	<0.00446		0.0135	0.00446	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Methylene Chloride	<0.00116		0.0135	0.00116	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
4-Methyl-2-pentanone (MIBK)	<0.0230		0.0675	0.0230	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Methyl tert-butyl ether	<0.00130		0.00270	0.00130	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Styrene	<0.00149		0.00270	0.00149	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,1,2,2-Tetrachloroethane	<0.00135		0.00270	0.00135	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Tetrachloroethene	<0.000986		0.00270	0.000986	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Toluene	<0.000999		0.00270	0.000999	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
trans-1,2-Dichloroethene	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
trans-1,3-Dichloropropene	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,2,3-Trichlorobenzene	<0.000513		0.00270	0.000513	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,2,4-Trichlorobenzene	<0.000905		0.00270	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,1,1-Trichloroethane	<0.00124		0.00270	0.00124	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,1,2-Trichloroethane	<0.00189		0.00675	0.00189	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Trichloroethene	<0.00130		0.00270	0.00130	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Trichlorofluoromethane	<0.00135		0.00270	0.00135	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.00107		0.00270	0.00107	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
Vinyl chloride	<0.00149		0.00270	0.00149	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB3 0-2**

**Lab Sample ID: 490-37411-6**

Date Collected: 10/09/13 13:30

Matrix: Soil

Date Received: 10/10/13 08:15

Percent Solids: 85.0

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000905		0.00405	0.000905	mg/Kg	☼	10/11/13 12:25	10/16/13 16:52	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	106		70 - 130				10/11/13 12:25	10/16/13 16:52	1
Dibromofluoromethane (Surr)	94		70 - 130				10/11/13 12:25	10/16/13 16:52	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 130				10/11/13 12:25	10/16/13 16:52	1
Toluene-d8 (Surr)	118		70 - 130				10/11/13 12:25	10/16/13 16:52	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.854		0.0652	0.00973	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Acenaphthylene	0.220		0.0652	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Acetophenone	<0.0681		0.324	0.0681	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Anthracene	2.34		0.0652	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Atrazine	<0.162	*	0.324	0.162	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Benzaldehyde	<0.278		1.62	0.278	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Benzo[a]anthracene	4.02		0.652	0.146	mg/Kg	☼	10/14/13 09:19	10/16/13 10:43	10
Benzo[a]pyrene	3.62		0.652	0.117	mg/Kg	☼	10/14/13 09:19	10/16/13 10:43	10
Benzo[b]fluoranthene	5.17		0.652	0.117	mg/Kg	☼	10/14/13 09:19	10/16/13 10:43	10
Benzo[g,h,i]perylene	2.44		0.0652	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Benzo[k]fluoranthene	2.00		0.0652	0.0136	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Biphenyl	<0.101		0.324	0.101	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Bis(2-chloroethoxy)methane	<0.0117		0.324	0.0117	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Bis(2-chloroethyl)ether	<0.0195		0.324	0.0195	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
bis (2-chloroisopropyl) ether	<0.130		0.324	0.130	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Bis(2-ethylhexyl) phthalate	0.187	J	0.324	0.0126	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
4-Bromophenyl phenyl ether	<0.0165		0.324	0.0165	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Butyl benzyl phthalate	0.0487	J	0.324	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Caprolactam	<0.105		0.324	0.105	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Carbazole	1.28		0.324	0.00681	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
4-Chloroaniline	<0.162		0.324	0.162	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
4-Chloro-3-methylphenol	<0.0156		0.324	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2-Chloronaphthalene	<0.0165		0.324	0.0165	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2-Chlorophenol	<0.0146		0.324	0.0146	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
4-Chlorophenyl phenyl ether	<0.0234		0.324	0.0234	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Chrysene	4.32		0.652	0.0876	mg/Kg	☼	10/14/13 09:19	10/16/13 10:43	10
Dibenz(a,h)anthracene	0.615		0.0652	0.00681	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Dibenzofuran	0.559		0.324	0.0126	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
3,3'-Dichlorobenzidine	<0.129		0.649	0.129	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2,4-Dichlorophenol	<0.0165		0.324	0.0165	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Diethyl phthalate	<0.0136		0.324	0.0136	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2,4-Dimethylphenol	<0.187		0.324	0.187	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Dimethyl phthalate	<0.00778		1.62	0.00778	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Di-n-butyl phthalate	0.0364	J	0.324	0.0126	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
4,6-Dinitro-2-methylphenol	<0.100		0.324	0.100	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2,4-Dinitrophenol	<0.107		0.324	0.107	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2,4-Dinitrotoluene	<0.00876		0.324	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2,6-Dinitrotoluene	<0.0302		0.324	0.0302	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Di-n-octyl phthalate	<0.0126		0.324	0.0126	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Fluoranthene	11.1		0.652	0.0876	mg/Kg	☼	10/14/13 09:19	10/16/13 10:43	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB3 0-2**

**Lab Sample ID: 490-37411-6**

**Date Collected: 10/09/13 13:30**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 85.0**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluorene</b>	<b>0.772</b>		0.0652	0.0117	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Hexachlorobenzene	<0.0282		0.324	0.0282	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Hexachlorobutadiene	<0.0681		0.324	0.0681	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Hexachlorocyclopentadiene	<0.0156		0.324	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Hexachloroethane	<0.0195		0.324	0.0195	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>2.06</b>		0.0652	0.00973	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Isophorone	<0.0574		0.324	0.0574	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
<b>2-Methylnaphthalene</b>	<b>0.290</b>		0.0652	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2-Methylphenol	<0.0905		0.324	0.0905	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
<b>3 &amp; 4 Methylphenol</b>	<b>0.0374</b>	<b>J</b>	0.324	0.0195	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
<b>Naphthalene</b>	<b>0.612</b>		0.0652	0.00876	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2-Nitroaniline	<0.0175		0.810	0.0175	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
3-Nitroaniline	<0.144		0.810	0.144	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
4-Nitroaniline	<0.0292		0.810	0.0292	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Nitrobenzene	<0.0165		0.324	0.0165	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2-Nitrophenol	<0.0126		0.324	0.0126	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
<b>4-Nitrophenol</b>	<b>0.0333</b>	<b>J</b>	0.324	0.0146	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
N-Nitrosodi-n-propylamine	<0.0204		0.324	0.0204	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0156		0.324	0.0156	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
Pentachlorophenol	<0.122		0.810	0.122	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
<b>Phenanthrene</b>	<b>9.85</b>		0.652	0.0876	mg/Kg	☼	10/14/13 09:19	10/16/13 10:43	10
<b>Phenol</b>	<b>0.0692</b>	<b>J</b>	0.324	0.0136	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
<b>Pyrene</b>	<b>9.38</b>		0.652	0.117	mg/Kg	☼	10/14/13 09:19	10/16/13 10:43	10
1,2,4,5-Tetrachlorobenzene	<0.251		1.62	0.251	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2,3,4,6-Tetrachlorophenol	<0.164		0.324	0.164	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2,4,5-Trichlorophenol	<0.0165		0.810	0.0165	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
2,4,6-Trichlorophenol	<0.0243		0.324	0.0243	mg/Kg	☼	10/14/13 09:19	10/16/13 00:48	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-Fluorobiphenyl (Surr)	68		29 - 120				10/14/13 09:19	10/16/13 00:48	1
2-Fluorophenol (Surr)	60		10 - 120				10/14/13 09:19	10/16/13 00:48	1
Nitrobenzene-d5 (Surr)	71		27 - 120				10/14/13 09:19	10/16/13 00:48	1
Phenol-d5 (Surr)	67		10 - 120				10/14/13 09:19	10/16/13 00:48	1
Terphenyl-d14 (Surr)	71		13 - 120				10/14/13 09:19	10/16/13 00:48	1
2,4,6-Tribromophenol (Surr)	53		10 - 120				10/14/13 09:19	10/16/13 00:48	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000302		0.00166	0.000302	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
alpha-BHC	<0.000195		0.00166	0.000195	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
beta-BHC	<0.00195		0.00322	0.00195	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
delta-BHC	<0.000371		0.00166	0.000371	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
gamma-BHC (Lindane)	<0.000380		0.00166	0.000380	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
alpha-Chlordane	<0.000420		0.00166	0.000420	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
gamma-Chlordane	<0.000771	<b>p</b>	0.00166	0.000771	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
Chlordane (technical)	<0.0354		0.0651	0.0354	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
4,4'-DDD	<0.00839		0.0332	0.00839	mg/Kg	☼	10/14/13 06:57	10/18/13 21:54	20
<b>4,4'-DDE</b>	<b>0.0279</b>	<b>J</b>	0.0332	0.00976	mg/Kg	☼	10/14/13 06:57	10/22/13 18:31	20
<b>4,4'-DDT</b>	<b>0.0379</b>		0.0332	0.0166	mg/Kg	☼	10/14/13 06:57	10/22/13 18:31	20

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB3 0-2**

**Lab Sample ID: 490-37411-6**

**Date Collected: 10/09/13 13:30**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 85.0**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000390		0.00166	0.000390	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
Endosulfan I	<0.000459		0.00166	0.000459	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
Endosulfan II	<0.000537		0.00166	0.000537	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
Endosulfan sulfate	<0.000488		0.00166	0.000488	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
Endrin	<0.000420		0.00166	0.000420	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
Endrin aldehyde	<0.000498		0.00166	0.000498	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
Endrin ketone	<0.000576		0.00166	0.000576	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
Heptachlor	<0.000410		0.00166	0.000410	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1
Heptachlor epoxide	<0.00634		0.0166	0.00634	mg/Kg	☼	10/14/13 06:57	10/16/13 13:51	10
Methoxychlor	<0.00956		0.0644	0.00956	mg/Kg	☼	10/14/13 06:57	10/18/13 21:54	20
Toxaphene	<0.0412		0.0651	0.0412	mg/Kg	☼	10/14/13 06:57	10/15/13 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73		21 - 145	10/14/13 06:57	10/15/13 17:26	1
DCB Decachlorobiphenyl (Surr)	321 X		25 - 150	10/14/13 06:57	10/15/13 17:26	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0115		0.0384	0.0115	mg/Kg	☼	10/14/13 15:34	10/16/13 22:51	1
PCB-1221	<0.0115		0.0384	0.0115	mg/Kg	☼	10/14/13 15:34	10/16/13 22:51	1
PCB-1232	<0.0231		0.0384	0.0231	mg/Kg	☼	10/14/13 15:34	10/16/13 22:51	1
PCB-1242	<0.0115		0.0384	0.0115	mg/Kg	☼	10/14/13 15:34	10/16/13 22:51	1
<b>PCB-1248</b>	<b>0.0535</b>		0.0384	0.0115	mg/Kg	☼	10/14/13 15:34	10/16/13 22:51	1
PCB-1254	<0.0115		0.0384	0.0115	mg/Kg	☼	10/14/13 15:34	10/16/13 22:51	1
PCB-1260	<0.0115		0.0384	0.0115	mg/Kg	☼	10/14/13 15:34	10/16/13 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	77		20 - 150	10/14/13 15:34	10/16/13 22:51	1
Tetrachloro-m-xylene	71		19 - 147	10/14/13 15:34	10/16/13 22:51	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>8460</b>		23.2	18.5	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Antimony</b>	<b>1.83</b>	<b>J</b>	11.6	1.62	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Arsenic</b>	<b>2.06</b>	<b>J</b>	2.32	1.10	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Barium</b>	<b>97.6</b>		2.32	0.232	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Beryllium</b>	<b>0.463</b>	<b>J</b>	1.16	0.116	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Cadmium</b>	<b>0.162</b>	<b>J</b>	1.16	0.116	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Calcium</b>	<b>9470</b>		232	51.0	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Chromium</b>	<b>12.3</b>		1.16	0.347	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Cobalt</b>	<b>1.53</b>	<b>J</b>	2.32	0.347	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Copper</b>	<b>21.7</b>		2.32	1.97	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Iron</b>	<b>9440</b>	<b>B *</b>	23.2	1.74	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Lead</b>	<b>61.6</b>		1.16	0.811	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Magnesium</b>	<b>1350</b>		232	15.1	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Manganese</b>	<b>126</b>		3.47	0.382	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Nickel</b>	<b>4.59</b>		2.32	0.347	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
<b>Potassium</b>	<b>435</b>	<b>B</b>	232	23.2	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
Selenium	<1.74		2.32	1.74	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
Silver	<0.347		1.16	0.347	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB3 0-2**

**Lab Sample ID: 490-37411-6**

Date Collected: 10/09/13 13:30

Matrix: Soil

Date Received: 10/10/13 08:15

Percent Solids: 85.0

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	758	B	232	23.2	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
Thallium	<1.39		2.32	1.39	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
Vanadium	14.9		11.6	3.59	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1
Zinc	52.9		11.6	1.16	mg/Kg	☼	10/18/13 15:23	10/21/13 18:25	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.141		0.115	0.0345	mg/Kg	☼	10/22/13 13:52	10/23/13 10:47	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.346		1.15	0.346	mg/Kg	☼	10/11/13 14:33	10/16/13 09:39	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	85		0.10	0.10	%			10/10/13 13:50	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB3 14-18**

**Lab Sample ID: 490-37411-7**

**Date Collected: 10/09/13 14:00**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 35.3**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.151</b>		0.131	0.105	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Benzene	<0.00176		0.00524	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Bromochloromethane	<0.00144		0.00524	0.00144	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Bromodichloromethane	<0.00144		0.00524	0.00144	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Bromoform	<0.00144		0.00524	0.00144	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Bromomethane	<0.00315		0.00524	0.00315	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
<b>2-Butanone (MEK)</b>	<b>0.0161</b>	<b>J</b>	0.131	0.0134	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
<b>Carbon disulfide</b>	<b>0.0103</b>	<b>J</b>	0.0131	0.00944	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Carbon tetrachloride	<0.00176		0.00524	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Chlorobenzene	<0.00176		0.00524	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Chlorodibromomethane	<0.000891		0.00524	0.000891	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Chloroethane	<0.00498		0.0131	0.00498	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Chloroform	<0.00176		0.00524	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
<b>Chloromethane</b>	<b>0.00533</b>		0.00524	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
cis-1,2-Dichloroethene	<0.00176		0.00524	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
cis-1,3-Dichloropropene	<0.00176		0.00524	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Cyclohexane	<0.00865		0.0262	0.00865	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
1,2-Dibromo-3-Chloropropane	<0.184		1.32	0.184	mg/Kg	☼	10/11/13 12:08	10/17/13 14:59	1
1,2-Dibromoethane (EDB)	<0.00262		0.00524	0.00262	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
1,2-Dichlorobenzene	<0.0895		0.527	0.0895	mg/Kg	☼	10/11/13 12:08	10/17/13 14:59	1
1,3-Dichlorobenzene	<0.179		0.527	0.179	mg/Kg	☼	10/11/13 12:08	10/17/13 14:59	1
1,4-Dichlorobenzene	<0.248		0.527	0.248	mg/Kg	☼	10/11/13 12:08	10/17/13 14:59	1
Dichlorodifluoromethane	<0.00262		0.00524	0.00262	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
1,1-Dichloroethane	<0.00176		0.00524	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
1,2-Dichloroethane	<0.00176		0.00524	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
1,1-Dichloroethene	<0.00149		0.00524	0.00149	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
1,2-Dichloropropane	<0.00246		0.00524	0.00246	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Ethylbenzene	<0.00176		0.00524	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
2-Hexanone	<0.0438		0.131	0.0438	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Isopropylbenzene	<0.00108		0.00524	0.00108	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Methyl acetate	<0.00629		0.0262	0.00629	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Methylcyclohexane	<0.00865		0.0262	0.00865	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Methylene Chloride	<0.00225		0.0262	0.00225	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
4-Methyl-2-pentanone (MIBK)	<0.0446		0.131	0.0446	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Methyl tert-butyl ether	<0.00252		0.00524	0.00252	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Styrene	<0.00288		0.00524	0.00288	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
1,1,2,2-Tetrachloroethane	<0.263		0.527	0.263	mg/Kg	☼	10/11/13 12:08	10/17/13 14:59	1
Tetrachloroethene	<0.00191		0.00524	0.00191	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Toluene	<0.00194		0.00524	0.00194	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
trans-1,2-Dichloroethene	<0.00176		0.00524	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
trans-1,3-Dichloropropene	<0.00176		0.00524	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
1,2,3-Trichlorobenzene	<0.100		0.527	0.100	mg/Kg	☼	10/11/13 12:08	10/17/13 14:59	1
1,2,4-Trichlorobenzene	<0.176		0.527	0.176	mg/Kg	☼	10/11/13 12:08	10/17/13 14:59	1
1,1,1-Trichloroethane	<0.00241		0.00524	0.00241	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
1,1,2-Trichloroethane	<0.00367		0.0131	0.00367	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Trichloroethene	<0.00252		0.00524	0.00252	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Trichlorofluoromethane	<0.00262		0.00524	0.00262	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.00207		0.00524	0.00207	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
Vinyl chloride	<0.00288		0.00524	0.00288	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB3 14-18**

**Lab Sample ID: 490-37411-7**

Date Collected: 10/09/13 14:00

Matrix: Soil

Date Received: 10/10/13 08:15

Percent Solids: 35.3

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00176		0.00787	0.00176	mg/Kg	☼	10/11/13 12:25	10/17/13 14:29	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	155	* X	70 - 130				10/11/13 12:25	10/17/13 14:29	1
4-Bromofluorobenzene (Surr)	110		70 - 130				10/11/13 12:08	10/17/13 14:59	1
Dibromofluoromethane (Surr)	109		70 - 130				10/11/13 12:25	10/17/13 14:29	1
Dibromofluoromethane (Surr)	101		70 - 130				10/11/13 12:08	10/17/13 14:59	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 130				10/11/13 12:25	10/17/13 14:29	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130				10/11/13 12:08	10/17/13 14:59	1
Toluene-d8 (Surr)	114		70 - 130				10/11/13 12:25	10/17/13 14:29	1
Toluene-d8 (Surr)	98		70 - 130				10/11/13 12:08	10/17/13 14:59	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00997		0.0668	0.00997	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Acenaphthylene	<0.00897		0.0668	0.00897	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Acetophenone	<0.0698		0.332	0.0698	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Anthracene	<0.00897		0.0668	0.00897	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Atrazine	<0.166	*	0.332	0.166	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Benzaldehyde	<0.285		1.66	0.285	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Benzo[a]anthracene	<0.0149		0.0668	0.0149	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Benzo[a]pyrene	<0.0120		0.0668	0.0120	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Benzo[b]fluoranthene	<0.0120		0.0668	0.0120	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Benzo[g,h,i]perylene	<0.00897		0.0668	0.00897	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Benzo[k]fluoranthene	<0.0140		0.0668	0.0140	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Biphenyl	<0.104		0.332	0.104	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Bis(2-chloroethoxy)methane	<0.0120		0.332	0.0120	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Bis(2-chloroethyl)ether	<0.0199		0.332	0.0199	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
bis(2-chloroisopropyl) ether	<0.134		0.332	0.134	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Bis(2-ethylhexyl) phthalate	<0.0130		0.332	0.0130	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
4-Bromophenyl phenyl ether	<0.0169		0.332	0.0169	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Butyl benzyl phthalate	<0.0159		0.332	0.0159	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Caprolactam	<0.108		0.332	0.108	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Carbazole	<0.00698		0.332	0.00698	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
4-Chloroaniline	<0.165		0.332	0.165	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
4-Chloro-3-methylphenol	<0.0159		0.332	0.0159	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2-Chloronaphthalene	<0.0169		0.332	0.0169	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2-Chlorophenol	<0.0149		0.332	0.0149	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
4-Chlorophenyl phenyl ether	<0.0239		0.332	0.0239	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Chrysene	<0.00897		0.0668	0.00897	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Dibenz(a,h)anthracene	<0.00698		0.0668	0.00698	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Dibenzofuran	<0.0130		0.332	0.0130	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
3,3'-Dichlorobenzidine	<0.133		0.665	0.133	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2,4-Dichlorophenol	<0.0169		0.332	0.0169	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Diethyl phthalate	<0.0140		0.332	0.0140	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2,4-Dimethylphenol	<0.191		0.332	0.191	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Dimethyl phthalate	<0.00797		1.66	0.00797	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Di-n-butyl phthalate	<0.0130		0.332	0.0130	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
4,6-Dinitro-2-methylphenol	<0.103		0.332	0.103	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2,4-Dinitrophenol	<0.110		0.332	0.110	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB3 14-18**

**Lab Sample ID: 490-37411-7**

**Date Collected: 10/09/13 14:00**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 35.3**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<0.00897		0.332	0.00897	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2,6-Dinitrotoluene	<0.0309		0.332	0.0309	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Di-n-octyl phthalate	<0.0130		0.332	0.0130	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Fluoranthene	<0.00897		0.0668	0.00897	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Fluorene	<0.0120		0.0668	0.0120	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Hexachlorobenzene	<0.0289		0.332	0.0289	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Hexachlorobutadiene	<0.0698		0.332	0.0698	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Hexachlorocyclopentadiene	<0.0159		0.332	0.0159	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Hexachloroethane	<0.0199		0.332	0.0199	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Indeno[1,2,3-cd]pyrene	<0.00997		0.0668	0.00997	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Isophorone	<0.0588		0.332	0.0588	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2-Methylnaphthalene	<0.0159		0.0668	0.0159	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2-Methylphenol	<0.0927		0.332	0.0927	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
3 & 4 Methylphenol	<0.0199		0.332	0.0199	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Naphthalene	<0.00897		0.0668	0.00897	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2-Nitroaniline	<0.0179		0.830	0.0179	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
3-Nitroaniline	<0.147		0.830	0.147	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
4-Nitroaniline	<0.0299		0.830	0.0299	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Nitrobenzene	<0.0169		0.332	0.0169	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2-Nitrophenol	<0.0130		0.332	0.0130	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
4-Nitrophenol	<0.0149		0.332	0.0149	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
N-Nitrosodi-n-propylamine	<0.0209		0.332	0.0209	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0159		0.332	0.0159	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Pentachlorophenol	<0.125		0.830	0.125	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Phenanthrene	<0.00897		0.0668	0.00897	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
<b>Phenol</b>	<b>0.0380</b>	<b>J</b>	0.332	0.0140	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
Pyrene	<0.0120		0.0668	0.0120	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
1,2,4,5-Tetrachlorobenzene	<0.257		1.66	0.257	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2,3,4,6-Tetrachlorophenol	<0.168		0.332	0.168	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2,4,5-Trichlorophenol	<0.0169		0.830	0.0169	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1
2,4,6-Trichlorophenol	<0.0249		0.332	0.0249	mg/Kg	☼	10/14/13 09:19	10/16/13 01:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	39		29 - 120	10/14/13 09:19	10/16/13 01:10	1
2-Fluorophenol (Surr)	50		10 - 120	10/14/13 09:19	10/16/13 01:10	1
Nitrobenzene-d5 (Surr)	52		27 - 120	10/14/13 09:19	10/16/13 01:10	1
Phenol-d5 (Surr)	51		10 - 120	10/14/13 09:19	10/16/13 01:10	1
Terphenyl-d14 (Surr)	60		13 - 120	10/14/13 09:19	10/16/13 01:10	1
2,4,6-Tribromophenol (Surr)	58		10 - 120	10/14/13 09:19	10/16/13 01:10	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000307		0.00169	0.000307	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
alpha-BHC	<0.000198		0.00169	0.000198	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
beta-BHC	<0.00198		0.00327	0.00198	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
delta-BHC	<0.000377		0.00169	0.000377	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
gamma-BHC (Lindane)	<0.000387		0.00169	0.000387	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
alpha-Chlordane	<0.000427		0.00169	0.000427	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
gamma-Chlordane	<0.000784		0.00169	0.000784	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB3 14-18**

**Lab Sample ID: 490-37411-7**

**Date Collected: 10/09/13 14:00**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 35.3**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.0360		0.0662	0.0360	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
4,4'-DDD	<0.000427		0.00169	0.000427	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
4,4'-DDE	<0.000496		0.00169	0.000496	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
4,4'-DDT	<0.000843		0.00169	0.000843	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
Dieldrin	<0.000397		0.00169	0.000397	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
Endosulfan I	<0.000466		0.00169	0.000466	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
Endosulfan II	<0.000546		0.00169	0.000546	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
Endosulfan sulfate	<0.000496		0.00169	0.000496	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
Endrin	<0.000427		0.00169	0.000427	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
Endrin aldehyde	<0.000506		0.00169	0.000506	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
Endrin ketone	<0.000585		0.00169	0.000585	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
Heptachlor	<0.000417		0.00169	0.000417	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
Heptachlor epoxide	<0.000645		0.00169	0.000645	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
Methoxychlor	<0.000486		0.00327	0.000486	mg/Kg	☼	10/14/13 06:57	10/18/13 19:40	1
Toxaphene	<0.0419		0.0662	0.0419	mg/Kg	☼	10/14/13 06:57	10/15/13 16:25	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	44		21 - 145				10/14/13 06:57	10/15/13 16:25	1
DCB Decachlorobiphenyl (Surr)	50		25 - 150				10/14/13 06:57	10/15/13 16:25	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0278		0.0925	0.0278	mg/Kg	☼	10/14/13 15:34	10/16/13 21:04	1
PCB-1221	<0.0278		0.0925	0.0278	mg/Kg	☼	10/14/13 15:34	10/16/13 21:04	1
PCB-1232	<0.0556		0.0925	0.0556	mg/Kg	☼	10/14/13 15:34	10/16/13 21:04	1
PCB-1242	<0.0278		0.0925	0.0278	mg/Kg	☼	10/14/13 15:34	10/16/13 21:04	1
PCB-1248	<0.0278		0.0925	0.0278	mg/Kg	☼	10/14/13 15:34	10/16/13 21:04	1
PCB-1254	<0.0278		0.0925	0.0278	mg/Kg	☼	10/14/13 15:34	10/16/13 21:04	1
PCB-1260	<0.0278		0.0925	0.0278	mg/Kg	☼	10/14/13 15:34	10/16/13 21:04	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	60		20 - 150				10/14/13 15:34	10/16/13 21:04	1
Tetrachloro-m-xylene	72		19 - 147				10/14/13 15:34	10/16/13 21:04	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>7870</b>		57.2	45.8	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
Antimony	<4.01		28.6	4.01	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
<b>Arsenic</b>	<b>11.5</b>		5.72	2.72	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
<b>Barium</b>	<b>14.0</b>		5.72	0.572	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
<b>Beryllium</b>	<b>1.20</b> J		2.86	0.286	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
<b>Cadmium</b>	<b>0.458</b> J		2.86	0.286	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
<b>Calcium</b>	<b>3650</b>		572	126	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
<b>Chromium</b>	<b>23.2</b>		2.86	0.859	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
<b>Cobalt</b>	<b>5.15</b> J		5.72	0.859	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
<b>Copper</b>	<b>6.58</b>		5.72	4.87	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
<b>Iron</b>	<b>23800</b> B *		57.2	4.29	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
<b>Lead</b>	<b>12.0</b>		2.86	2.00	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
<b>Magnesium</b>	<b>5840</b>		572	37.2	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
<b>Manganese</b>	<b>170</b>		8.59	0.945	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB3 14-18**

**Lab Sample ID: 490-37411-7**

**Date Collected: 10/09/13 14:00**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 35.3**

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	9.05		5.72	0.859	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
Potassium	2360	B	572	57.2	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
Selenium	<4.29		5.72	4.29	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
Silver	<0.859		2.86	0.859	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
Sodium	9640	B	572	57.2	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
Thallium	<3.43		5.72	3.43	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
Vanadium	35.0		28.6	8.87	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1
Zinc	33.9		28.6	2.86	mg/Kg	☼	10/18/13 15:23	10/21/13 18:30	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0840		0.280	0.0840	mg/Kg	☼	10/22/13 13:52	10/23/13 10:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.810		2.70	0.810	mg/Kg	☼	10/11/13 14:33	10/16/13 09:39	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	35		0.10	0.10	%			10/10/13 13:50	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37411-8**

Date Collected: 10/09/13 00:01

Matrix: Water

Date Received: 10/10/13 08:15

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.28	J	5.00	2.66	ug/L			10/15/13 18:35	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 18:35	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 18:35	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 18:35	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 18:35	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 18:35	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 18:35	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/15/13 18:35	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 18:35	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 18:35	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 18:35	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 18:35	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 18:35	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 18:35	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 18:35	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 18:35	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 18:35	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 18:35	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 18:35	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 18:35	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 18:35	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 18:35	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 18:35	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 18:35	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 18:35	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 18:35	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 18:35	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 18:35	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 18:35	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 18:35	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 18:35	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 18:35	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/15/13 18:35	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 18:35	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 18:35	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 18:35	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 18:35	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 18:35	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 18:35	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 18:35	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 18:35	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 18:35	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 18:35	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 18:35	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 18:35	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 18:35	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 18:35	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 18:35	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 18:35	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
 Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
 SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37411-8**

**Date Collected: 10/09/13 00:01**

**Matrix: Water**

**Date Received: 10/10/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130					10/15/13 18:35	1
Dibromofluoromethane (Surr)	104		70 - 130					10/15/13 18:35	1
1,2-Dichloroethane-d4 (Surr)	114		70 - 130					10/15/13 18:35	1
Toluene-d8 (Surr)	106		70 - 130					10/15/13 18:35	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37411-9**

**Date Collected: 10/09/13 00:01**

**Matrix: Water**

**Date Received: 10/10/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2.68	J	5.00	2.66	ug/L			10/15/13 19:02	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 19:02	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 19:02	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 19:02	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 19:02	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 19:02	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 19:02	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/15/13 19:02	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 19:02	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 19:02	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 19:02	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 19:02	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 19:02	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 19:02	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 19:02	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 19:02	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 19:02	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 19:02	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 19:02	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 19:02	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 19:02	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 19:02	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 19:02	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 19:02	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 19:02	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 19:02	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 19:02	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 19:02	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 19:02	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 19:02	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 19:02	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 19:02	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/15/13 19:02	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 19:02	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 19:02	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 19:02	1
1,1,1,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 19:02	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 19:02	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 19:02	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 19:02	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 19:02	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 19:02	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 19:02	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 19:02	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 19:02	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 19:02	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 19:02	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 19:02	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 19:02	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37411-9**

**Date Collected: 10/09/13 00:01**

**Matrix: Water**

**Date Received: 10/10/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130					10/15/13 19:02	1
Dibromofluoromethane (Surr)	106		70 - 130					10/15/13 19:02	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 130					10/15/13 19:02	1
Toluene-d8 (Surr)	111		70 - 130					10/15/13 19:02	1

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-114468/7**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/15/13 13:14	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 13:14	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 13:14	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 13:14	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 13:14	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 13:14	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/15/13 13:14	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 13:14	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 13:14	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 13:14	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 13:14	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 13:14	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 13:14	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 13:14	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 13:14	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 13:14	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 13:14	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 13:14	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 13:14	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 13:14	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 13:14	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 13:14	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 13:14	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 13:14	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 13:14	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 13:14	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 13:14	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 13:14	1
Methylene Chloride	0.2830	J	5.00	0.220	ug/L			10/15/13 13:14	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 13:14	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 13:14	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 13:14	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 13:14	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 13:14	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 13:14	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 13:14	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 13:14	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 13:14	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 13:14	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 13:14	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 13:14	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114468/7**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 13:14	1
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 13:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		10/15/13 13:14	1
Dibromofluoromethane (Surr)	105		70 - 130		10/15/13 13:14	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 130		10/15/13 13:14	1
Toluene-d8 (Surr)	107		70 - 130		10/15/13 13:14	1

**Lab Sample ID: LCS 490-114468/3**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	259.9		ug/L		104	54 - 145
Benzene	50.0	50.12		ug/L		100	80 - 121
Bromochloromethane	50.0	50.65		ug/L		101	78 - 129
Bromodichloromethane	50.0	52.44		ug/L		105	75 - 129
Bromoform	50.0	58.17		ug/L		116	46 - 145
Bromomethane	50.0	52.95		ug/L		106	41 - 150
2-Butanone (MEK)	250	257.5		ug/L		103	62 - 133
Carbon disulfide	50.0	50.44		ug/L		101	77 - 126
Carbon tetrachloride	50.0	45.94		ug/L		92	64 - 147
Chlorobenzene	50.0	48.85		ug/L		98	80 - 120
Chlorodibromomethane	50.0	54.80		ug/L		110	69 - 133
Chloroethane	50.0	51.20		ug/L		102	72 - 120
Chloroform	50.0	51.04		ug/L		102	73 - 129
Chloromethane	50.0	44.73		ug/L		89	12 - 150
cis-1,2-Dichloroethene	50.0	51.29		ug/L		103	76 - 125
cis-1,3-Dichloropropene	50.0	52.55		ug/L		105	74 - 140
Cyclohexane	50.0	49.63		ug/L		99	73 - 122
1,2-Dibromo-3-Chloropropane	50.0	51.25		ug/L		102	54 - 125
1,2-Dibromoethane (EDB)	50.0	51.61		ug/L		103	80 - 129
1,2-Dichlorobenzene	50.0	48.93		ug/L		98	80 - 121
1,3-Dichlorobenzene	50.0	49.16		ug/L		98	80 - 122
1,4-Dichlorobenzene	50.0	49.70		ug/L		99	80 - 120
Dichlorodifluoromethane	50.0	51.43		ug/L		103	37 - 127
1,1-Dichloroethane	50.0	49.50		ug/L		99	78 - 125
1,2-Dichloroethane	50.0	54.69		ug/L		109	77 - 121
1,1-Dichloroethene	50.0	48.69		ug/L		97	79 - 124
1,2-Dichloropropane	50.0	51.34		ug/L		103	75 - 120
Ethylbenzene	50.0	49.65		ug/L		99	80 - 130
2-Hexanone	250	290.4		ug/L		116	60 - 142
Isopropylbenzene	50.0	51.03		ug/L		102	80 - 141
Methyl acetate	250	281.8		ug/L		113	64 - 150
Methylcyclohexane	50.0	47.01		ug/L		94	71 - 129
Methylene Chloride	50.0	46.03		ug/L		92	79 - 123
4-Methyl-2-pentanone (MIBK)	250	285.7		ug/L		114	60 - 137

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114468/3**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Methyl tert-butyl ether	50.0	50.17		ug/L		100	72 - 133	
Styrene	50.0	55.70		ug/L		111	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	53.11		ug/L		106	69 - 131	
Tetrachloroethene	50.0	48.80		ug/L		98	80 - 126	
Toluene	50.0	52.57		ug/L		105	80 - 126	
trans-1,2-Dichloroethene	50.0	49.84		ug/L		100	79 - 126	
trans-1,3-Dichloropropene	50.0	53.06		ug/L		106	63 - 134	
1,2,3-Trichlorobenzene	50.0	51.43		ug/L		103	62 - 133	
1,2,4-Trichlorobenzene	50.0	50.74		ug/L		101	63 - 133	
1,1,1-Trichloroethane	50.0	49.77		ug/L		100	78 - 135	
1,1,2-Trichloroethane	50.0	53.71		ug/L		107	80 - 124	
Trichloroethene	50.0	49.15		ug/L		98	80 - 123	
Trichlorofluoromethane	50.0	51.18		ug/L		102	65 - 124	
1,1,2-Trichloro-1,2,2-trichfluoroethane	50.0	47.27		ug/L		95	77 - 129	
Vinyl chloride	50.0	47.26		ug/L		95	68 - 120	
Xylenes, Total	100	100.9		ug/L		101	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
Toluene-d8 (Surr)	104		70 - 130

**Lab Sample ID: LCSD 490-114468/4**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
									RPD	Limit
Acetone	250	276.3		ug/L		111	54 - 145	6	21	
Benzene	50.0	48.64		ug/L		97	80 - 121	3	17	
Bromochloromethane	50.0	51.54		ug/L		103	78 - 129	2	17	
Bromodichloromethane	50.0	51.76		ug/L		104	75 - 129	1	18	
Bromoform	50.0	57.55		ug/L		115	46 - 145	1	16	
Bromomethane	50.0	49.59		ug/L		99	41 - 150	7	50	
2-Butanone (MEK)	250	260.7		ug/L		104	62 - 133	1	19	
Carbon disulfide	50.0	47.68		ug/L		95	77 - 126	6	21	
Carbon tetrachloride	50.0	45.60		ug/L		91	64 - 147	1	19	
Chlorobenzene	50.0	46.48		ug/L		93	80 - 120	5	14	
Chlorodibromomethane	50.0	51.81		ug/L		104	69 - 133	6	15	
Chloroethane	50.0	48.27		ug/L		97	72 - 120	6	20	
Chloroform	50.0	50.19		ug/L		100	73 - 129	2	18	
Chloromethane	50.0	41.88		ug/L		84	12 - 150	7	31	
cis-1,2-Dichloroethene	50.0	50.43		ug/L		101	76 - 125	2	17	
cis-1,3-Dichloropropene	50.0	52.28		ug/L		105	74 - 140	1	15	
Cyclohexane	50.0	47.77		ug/L		96	73 - 122	4	16	
1,2-Dibromo-3-Chloropropane	50.0	52.79		ug/L		106	54 - 125	3	24	
1,2-Dibromoethane (EDB)	50.0	50.47		ug/L		101	80 - 129	2	15	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-114468/4**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							RPD	Limit		
1,2-Dichlorobenzene	50.0	47.57		ug/L		95	80 - 121	3	15	
1,3-Dichlorobenzene	50.0	47.71		ug/L		95	80 - 122	3	15	
1,4-Dichlorobenzene	50.0	47.78		ug/L		96	80 - 120	4	15	
Dichlorodifluoromethane	50.0	49.75		ug/L		99	37 - 127	3	18	
1,1-Dichloroethane	50.0	47.47		ug/L		95	78 - 125	4	17	
1,2-Dichloroethane	50.0	53.28		ug/L		107	77 - 121	3	17	
1,1-Dichloroethene	50.0	46.59		ug/L		93	79 - 124	4	17	
1,2-Dichloropropane	50.0	49.71		ug/L		99	75 - 120	3	17	
Ethylbenzene	50.0	47.03		ug/L		94	80 - 130	5	15	
2-Hexanone	250	279.3		ug/L		112	60 - 142	4	15	
Isopropylbenzene	50.0	48.21		ug/L		96	80 - 141	6	16	
Methyl acetate	250	283.0		ug/L		113	64 - 150	0	31	
Methylcyclohexane	50.0	45.41		ug/L		91	71 - 129	3	19	
Methylene Chloride	50.0	45.69		ug/L		91	79 - 123	1	17	
4-Methyl-2-pentanone (MIBK)	250	293.6		ug/L		117	60 - 137	3	17	
Methyl tert-butyl ether	50.0	49.13		ug/L		98	72 - 133	2	16	
Styrene	50.0	53.13		ug/L		106	80 - 127	5	24	
1,1,2,2-Tetrachloroethane	50.0	52.69		ug/L		105	69 - 131	1	20	
Tetrachloroethene	50.0	46.88		ug/L		94	80 - 126	4	16	
Toluene	50.0	50.27		ug/L		101	80 - 126	4	15	
trans-1,2-Dichloroethene	50.0	47.51		ug/L		95	79 - 126	5	16	
trans-1,3-Dichloropropene	50.0	53.05		ug/L		106	63 - 134	0	14	
1,2,3-Trichlorobenzene	50.0	50.54		ug/L		101	62 - 133	2	25	
1,2,4-Trichlorobenzene	50.0	50.01		ug/L		100	63 - 133	1	19	
1,1,1-Trichloroethane	50.0	48.10		ug/L		96	78 - 135	3	17	
1,1,2-Trichloroethane	50.0	52.30		ug/L		105	80 - 124	3	15	
Trichloroethene	50.0	48.35		ug/L		97	80 - 123	2	17	
Trichlorofluoromethane	50.0	49.24		ug/L		98	65 - 124	4	18	
1,1,2-Trichloro-1,2,2-trichloroethane	50.0	46.19		ug/L		92	77 - 129	2	18	
Vinyl chloride	50.0	44.01		ug/L		88	68 - 120	7	17	
Xylenes, Total	100	96.21		ug/L		96	80 - 132	5	15	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	106		70 - 130
Toluene-d8 (Surr)	106		70 - 130

**Lab Sample ID: 490-37783-B-1 MS**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier				RPD	Limit
Acetone	5.75		250	234.6		ug/L		92	45 - 141	
Benzene	<0.200		50.0	50.47		ug/L		101	75 - 133	
Bromochloromethane	<0.150		50.0	50.03		ug/L		100	67 - 139	
Bromodichloromethane	<0.170		50.0	53.08		ug/L		106	70 - 140	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37783-B-1 MS**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Bromoform	<0.290		50.0	58.56		ug/L		117	42 - 147
Bromomethane	<0.350		50.0	36.85		ug/L		74	16 - 163
2-Butanone (MEK)	<2.64		250	233.5		ug/L		93	50 - 138
Carbon disulfide	<0.220		50.0	44.67		ug/L		89	48 - 152
Carbon tetrachloride	<0.180		50.0	50.87		ug/L		102	62 - 164
Chlorobenzene	<0.180		50.0	49.66		ug/L		99	80 - 129
Chlorodibromomethane	<0.250		50.0	55.41		ug/L		111	66 - 140
Chloroethane	<0.360		50.0	48.93		ug/L		98	58 - 137
Chloroform	<0.230		50.0	52.50		ug/L		105	66 - 138
Chloromethane	<0.360		50.0	41.65		ug/L		83	10 - 169
cis-1,2-Dichloroethene	<0.210		50.0	50.75		ug/L		101	68 - 138
cis-1,3-Dichloropropene	<0.170		50.0	52.34		ug/L		105	71 - 141
Cyclohexane	<0.220		50.0	48.34		ug/L		97	58 - 144
1,2-Dibromo-3-Chloropropane	<0.940		50.0	46.64		ug/L		93	52 - 126
1,2-Dibromoethane (EDB)	<0.210		50.0	49.63		ug/L		99	75 - 137
1,2-Dichlorobenzene	<0.190		50.0	48.07		ug/L		96	79 - 128
1,3-Dichlorobenzene	<0.180		50.0	47.92		ug/L		96	77 - 131
1,4-Dichlorobenzene	<0.170		50.0	48.27		ug/L		97	78 - 126
Dichlorodifluoromethane	<0.170		50.0	45.85		ug/L		92	40 - 127
1,1-Dichloroethane	<0.240		50.0	49.96		ug/L		100	71 - 139
1,2-Dichloroethane	<0.200		50.0	53.11		ug/L		106	64 - 136
1,1-Dichloroethene	<0.250		50.0	47.00		ug/L		94	70 - 142
1,2-Dichloropropane	<0.250		50.0	52.17		ug/L		104	67 - 131
Ethylbenzene	1.73		50.0	53.78		ug/L		104	79 - 139
2-Hexanone	<1.28		250	271.1		ug/L		108	50 - 150
Isopropylbenzene	<0.330		50.0	55.18		ug/L		110	80 - 153
Methyl acetate	<0.720		250	245.4		ug/L		98	30 - 165
Methylcyclohexane	<0.200		50.0	47.12		ug/L		94	59 - 151
Methylene Chloride	<0.220		50.0	43.45		ug/L		87	64 - 139
4-Methyl-2-pentanone (MIBK)	<0.810		250	276.7		ug/L		111	50 - 147
Methyl tert-butyl ether	4.51		50.0	50.51		ug/L		92	66 - 141
Styrene	<0.280		50.0	57.67		ug/L		115	61 - 148
1,1,1,2-Tetrachloroethane	<0.190		50.0	47.38		ug/L		95	56 - 143
Tetrachloroethene	<0.140		50.0	50.19		ug/L		100	72 - 145
Toluene	7.32		50.0	60.70		ug/L		107	75 - 136
trans-1,2-Dichloroethene	<0.230		50.0	48.94		ug/L		98	66 - 143
trans-1,3-Dichloropropene	<0.170		50.0	51.48		ug/L		103	59 - 135
1,2,3-Trichlorobenzene	<0.230		50.0	49.26		ug/L		99	55 - 138
1,2,4-Trichlorobenzene	<0.200		50.0	47.34		ug/L		95	60 - 136
1,1,1-Trichloroethane	<0.190		50.0	53.87		ug/L		108	76 - 149
1,1,2-Trichloroethane	<0.190		50.0	51.95		ug/L		104	74 - 134
Trichloroethene	<0.200		50.0	49.66		ug/L		99	73 - 144
Trichlorofluoromethane	<0.210		50.0	52.66		ug/L		105	58 - 139
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	48.23		ug/L		96	72 - 148
Vinyl chloride	<0.180		50.0	45.43		ug/L		91	56 - 129
Xylenes, Total	11.3		100	118.0		ug/L		107	74 - 141

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37783-B-1 MS**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
Toluene-d8 (Surr)	106		70 - 130

**Lab Sample ID: 490-37783-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Acetone	5.75		250	244.8		ug/L		96	45 - 141	4	21
Benzene	<0.200		50.0	50.72		ug/L		101	75 - 133	1	17
Bromochloromethane	<0.150		50.0	51.30		ug/L		103	67 - 139	3	17
Bromodichloromethane	<0.170		50.0	53.90		ug/L		108	70 - 140	2	18
Bromoform	<0.290		50.0	54.66		ug/L		109	42 - 147	7	16
Bromomethane	<0.350		50.0	45.49		ug/L		91	16 - 163	21	50
2-Butanone (MEK)	<2.64		250	243.2		ug/L		97	50 - 138	4	19
Carbon disulfide	<0.220		50.0	46.81		ug/L		94	48 - 152	5	21
Carbon tetrachloride	<0.180		50.0	49.68		ug/L		99	62 - 164	2	19
Chlorobenzene	<0.180		50.0	49.40		ug/L		99	80 - 129	1	14
Chlorodibromomethane	<0.250		50.0	53.77		ug/L		108	66 - 140	3	15
Chloroethane	<0.360		50.0	52.21		ug/L		104	58 - 137	6	20
Chloroform	<0.230		50.0	52.58		ug/L		105	66 - 138	0	18
Chloromethane	<0.360		50.0	42.47		ug/L		85	10 - 169	2	31
cis-1,2-Dichloroethene	<0.210		50.0	53.55		ug/L		107	68 - 138	5	17
cis-1,3-Dichloropropene	<0.170		50.0	51.44		ug/L		103	71 - 141	2	15
Cyclohexane	<0.220		50.0	48.50		ug/L		97	58 - 144	0	16
1,2-Dibromo-3-Chloropropane	<0.940		50.0	48.28		ug/L		97	52 - 126	3	24
1,2-Dibromoethane (EDB)	<0.210		50.0	50.10		ug/L		100	75 - 137	1	15
1,2-Dichlorobenzene	<0.190		50.0	50.39		ug/L		101	79 - 128	5	15
1,3-Dichlorobenzene	<0.180		50.0	49.77		ug/L		100	77 - 131	4	15
1,4-Dichlorobenzene	<0.170		50.0	50.01		ug/L		100	78 - 126	4	15
Dichlorodifluoromethane	<0.170		50.0	46.34		ug/L		93	40 - 127	1	18
1,1-Dichloroethane	<0.240		50.0	51.15		ug/L		102	71 - 139	2	17
1,2-Dichloroethane	<0.200		50.0	52.91		ug/L		106	64 - 136	0	17
1,1-Dichloroethene	<0.250		50.0	50.20		ug/L		100	70 - 142	7	17
1,2-Dichloropropane	<0.250		50.0	53.56		ug/L		107	67 - 131	3	17
Ethylbenzene	1.73		50.0	52.99		ug/L		103	79 - 139	1	15
2-Hexanone	<1.28		250	268.3		ug/L		107	50 - 150	1	15
Isopropylbenzene	<0.330		50.0	53.18		ug/L		106	80 - 153	4	16
Methyl acetate	<0.720		250	252.4		ug/L		101	30 - 165	3	31
Methylcyclohexane	<0.200		50.0	49.42		ug/L		99	59 - 151	5	19
Methylene Chloride	<0.220		50.0	46.99		ug/L		94	64 - 139	8	17
4-Methyl-2-pentanone (MIBK)	<0.810		250	268.9		ug/L		108	50 - 147	3	17
Methyl tert-butyl ether	4.51		50.0	53.40		ug/L		98	66 - 141	6	16
Styrene	<0.280		50.0	54.51		ug/L		109	61 - 148	6	24
1,1,1,2-Tetrachloroethane	<0.190		50.0	50.63		ug/L		101	56 - 143	7	20
Tetrachloroethene	<0.140		50.0	48.94		ug/L		98	72 - 145	3	16

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37783-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Toluene	7.32		50.0	59.04		ug/L		103	75 - 136	3	15
trans-1,2-Dichloroethene	<0.230		50.0	50.56		ug/L		101	66 - 143	3	16
trans-1,3-Dichloropropene	<0.170		50.0	51.99		ug/L		104	59 - 135	1	14
1,2,3-Trichlorobenzene	<0.230		50.0	49.00		ug/L		98	55 - 138	1	25
1,2,4-Trichlorobenzene	<0.200		50.0	49.37		ug/L		99	60 - 136	4	19
1,1,1-Trichloroethane	<0.190		50.0	52.30		ug/L		105	76 - 149	3	17
1,1,2-Trichloroethane	<0.190		50.0	51.42		ug/L		103	74 - 134	1	15
Trichloroethene	<0.200		50.0	52.23		ug/L		104	73 - 144	5	17
Trichlorofluoromethane	<0.210		50.0	54.68		ug/L		109	58 - 139	4	18
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	50.76		ug/L		102	72 - 148	5	18
Vinyl chloride	<0.180		50.0	45.93		ug/L		92	56 - 129	1	17
Xylenes, Total	11.3		100	114.6		ug/L		103	74 - 141	3	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	111		70 - 130
Toluene-d8 (Surr)	101		70 - 130

**Lab Sample ID: MB 490-114674/12**

**Matrix: Solid**

**Analysis Batch: 114674**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0400		0.0500	0.0400	mg/Kg			10/16/13 15:19	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/16/13 15:19	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/16/13 15:19	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			10/16/13 15:19	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			10/16/13 15:19	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			10/16/13 15:19	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			10/16/13 15:19	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			10/16/13 15:19	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			10/16/13 15:19	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/16/13 15:19	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			10/16/13 15:19	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			10/16/13 15:19	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			10/16/13 15:19	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/16/13 15:19	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114674/12**

**Matrix: Solid**

**Analysis Batch: 114674**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			10/16/13 15:19	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			10/16/13 15:19	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			10/16/13 15:19	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			10/16/13 15:19	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			10/16/13 15:19	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/16/13 15:19	1
Methylene Chloride	<0.000860		0.0100	0.000860	mg/Kg			10/16/13 15:19	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			10/16/13 15:19	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			10/16/13 15:19	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			10/16/13 15:19	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			10/16/13 15:19	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			10/16/13 15:19	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			10/16/13 15:19	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			10/16/13 15:19	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 15:19	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			10/16/13 15:19	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			10/16/13 15:19	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			10/16/13 15:19	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/16/13 15:19	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			10/16/13 15:19	1
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			10/16/13 15:19	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			10/16/13 15:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130		10/16/13 15:19	1
Dibromofluoromethane (Surr)	96		70 - 130		10/16/13 15:19	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 130		10/16/13 15:19	1
Toluene-d8 (Surr)	115		70 - 130		10/16/13 15:19	1

**Lab Sample ID: LCS 490-114674/8**

**Matrix: Solid**

**Analysis Batch: 114674**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2262		mg/Kg		90	51 - 149
Benzene	0.0500	0.04821		mg/Kg		96	75 - 127
Bromochloromethane	0.0500	0.04363		mg/Kg		87	70 - 132
Bromodichloromethane	0.0500	0.04210		mg/Kg		84	68 - 135
Bromoform	0.0500	0.04449		mg/Kg		89	36 - 150
Bromomethane	0.0500	0.04330		mg/Kg		87	43 - 142
2-Butanone (MEK)	0.250	0.2132		mg/Kg		85	61 - 132
Carbon disulfide	0.0500	0.04643		mg/Kg		93	74 - 135
Carbon tetrachloride	0.0500	0.04590		mg/Kg		92	70 - 141

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114674/8**

**Matrix: Solid**

**Analysis Batch: 114674**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	0.0500	0.05465		mg/Kg		109	84 - 125
Chlorodibromomethane	0.0500	0.04866		mg/Kg		97	66 - 134
Chloroethane	0.0500	0.05897		mg/Kg		118	53 - 144
Chloroform	0.0500	0.04608		mg/Kg		92	76 - 130
Chloromethane	0.0500	0.05945		mg/Kg		119	23 - 150
cis-1,2-Dichloroethene	0.0500	0.05169		mg/Kg		103	75 - 125
cis-1,3-Dichloropropene	0.0500	0.05214		mg/Kg		104	73 - 148
Cyclohexane	0.0500	0.05243		mg/Kg		105	70 - 133
1,2-Dibromo-3-Chloropropane	0.0500	0.04803		mg/Kg		96	49 - 142
1,2-Dibromoethane (EDB)	0.0500	0.04998		mg/Kg		100	80 - 135
1,2-Dichlorobenzene	0.0500	0.05637		mg/Kg		113	80 - 134
1,3-Dichlorobenzene	0.0500	0.05886		mg/Kg		118	79 - 137
1,4-Dichlorobenzene	0.0500	0.05800		mg/Kg		116	77 - 139
Dichlorodifluoromethane	0.0500	0.05957		mg/Kg		119	12 - 144
1,1-Dichloroethane	0.0500	0.05093		mg/Kg		102	75 - 124
1,2-Dichloroethane	0.0500	0.04864		mg/Kg		97	65 - 134
1,1-Dichloroethene	0.0500	0.04882		mg/Kg		98	75 - 131
1,2-Dichloropropane	0.0500	0.04843		mg/Kg		97	69 - 120
Ethylbenzene	0.0500	0.05600		mg/Kg		112	80 - 134
2-Hexanone	0.250	0.2575		mg/Kg		103	57 - 148
Isopropylbenzene	0.0500	0.05734		mg/Kg		115	80 - 150
Methyl acetate	0.250	0.3261		mg/Kg		130	11 - 170
Methylcyclohexane	0.0500	0.05099		mg/Kg		102	69 - 140
Methylene Chloride	0.0500	0.04578		mg/Kg		92	68 - 144
4-Methyl-2-pentanone (MIBK)	0.250	0.2548		mg/Kg		102	59 - 138
Methyl tert-butyl ether	0.0500	0.03499		mg/Kg		70	70 - 136
Styrene	0.0500	0.05814		mg/Kg		116	82 - 137
1,1,2,2-Tetrachloroethane	0.0500	0.05249		mg/Kg		105	66 - 134
Tetrachloroethene	0.0500	0.05725		mg/Kg		115	78 - 140
Toluene	0.0500	0.05705		mg/Kg		114	80 - 132
trans-1,2-Dichloroethene	0.0500	0.05327		mg/Kg		107	76 - 128
trans-1,3-Dichloropropene	0.0500	0.05026		mg/Kg		101	62 - 139
1,2,3-Trichlorobenzene	0.0500	0.05886		mg/Kg		118	70 - 150
1,2,4-Trichlorobenzene	0.0500	0.06181		mg/Kg		124	62 - 150
1,1,1-Trichloroethane	0.0500	0.04555		mg/Kg		91	72 - 140
1,1,2-Trichloroethane	0.0500	0.04997		mg/Kg		100	78 - 128
Trichloroethene	0.0500	0.04779		mg/Kg		96	77 - 127
Trichlorofluoromethane	0.0500	0.05456		mg/Kg		109	50 - 140
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.05251		mg/Kg		105	67 - 136
Vinyl chloride	0.0500	0.05799		mg/Kg		116	47 - 136
Xylenes, Total	0.100	0.1113		mg/Kg		111	80 - 137

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
Toluene-d8 (Surr)	117		70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-114674/9**

**Matrix: Solid**

**Analysis Batch: 114674**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD
									Limit
Acetone	0.250	0.2263		mg/Kg		91	51 - 149	0	50
Benzene	0.0500	0.04714		mg/Kg		94	75 - 127	2	50
Bromochloromethane	0.0500	0.04433		mg/Kg		89	70 - 132	2	50
Bromodichloromethane	0.0500	0.04311		mg/Kg		86	68 - 135	2	50
Bromoform	0.0500	0.04566		mg/Kg		91	36 - 150	3	50
Bromomethane	0.0500	0.04346		mg/Kg		87	43 - 142	0	50
2-Butanone (MEK)	0.250	0.2204		mg/Kg		88	61 - 132	3	50
Carbon disulfide	0.0500	0.04374		mg/Kg		87	74 - 135	6	50
Carbon tetrachloride	0.0500	0.04486		mg/Kg		90	70 - 141	2	50
Chlorobenzene	0.0500	0.05316		mg/Kg		106	84 - 125	3	50
Chlorodibromomethane	0.0500	0.04932		mg/Kg		99	66 - 134	1	50
Chloroethane	0.0500	0.05780		mg/Kg		116	53 - 144	2	50
Chloroform	0.0500	0.04564		mg/Kg		91	76 - 130	1	49
Chloromethane	0.0500	0.05705		mg/Kg		114	23 - 150	4	50
cis-1,2-Dichloroethene	0.0500	0.05062		mg/Kg		101	75 - 125	2	50
cis-1,3-Dichloropropene	0.0500	0.05203		mg/Kg		104	73 - 148	0	50
Cyclohexane	0.0500	0.05074		mg/Kg		101	70 - 133	3	50
1,2-Dibromo-3-Chloropropane	0.0500	0.04996		mg/Kg		100	49 - 142	4	50
1,2-Dibromoethane (EDB)	0.0500	0.05082		mg/Kg		102	80 - 135	2	50
1,2-Dichlorobenzene	0.0500	0.05519		mg/Kg		110	80 - 134	2	50
1,3-Dichlorobenzene	0.0500	0.05711		mg/Kg		114	79 - 137	3	50
1,4-Dichlorobenzene	0.0500	0.05641		mg/Kg		113	77 - 139	3	50
Dichlorodifluoromethane	0.0500	0.05470		mg/Kg		109	12 - 144	9	50
1,1-Dichloroethane	0.0500	0.05054		mg/Kg		101	75 - 124	1	50
1,2-Dichloroethane	0.0500	0.04915		mg/Kg		98	65 - 134	1	50
1,1-Dichloroethene	0.0500	0.04770		mg/Kg		95	75 - 131	2	50
1,2-Dichloropropane	0.0500	0.04844		mg/Kg		97	69 - 120	0	50
Ethylbenzene	0.0500	0.05430		mg/Kg		109	80 - 134	3	50
2-Hexanone	0.250	0.2625		mg/Kg		105	57 - 148	2	50
Isopropylbenzene	0.0500	0.05409		mg/Kg		108	80 - 150	6	50
Methyl acetate	0.250	0.3084		mg/Kg		123	11 - 170	6	50
Methylcyclohexane	0.0500	0.04788		mg/Kg		96	69 - 140	6	50
Methylene Chloride	0.0500	0.04531		mg/Kg		91	68 - 144	1	50
4-Methyl-2-pentanone (MIBK)	0.250	0.2606		mg/Kg		104	59 - 138	2	50
Methyl tert-butyl ether	0.0500	0.03506		mg/Kg		70	70 - 136	0	50
Styrene	0.0500	0.05652		mg/Kg		113	82 - 137	3	50
1,1,2,2-Tetrachloroethane	0.0500	0.05417		mg/Kg		108	66 - 134	3	50
Tetrachloroethene	0.0500	0.05389		mg/Kg		108	78 - 140	6	50
Toluene	0.0500	0.05527		mg/Kg		111	80 - 132	3	50
trans-1,2-Dichloroethene	0.0500	0.05205		mg/Kg		104	76 - 128	2	50
trans-1,3-Dichloropropene	0.0500	0.05083		mg/Kg		102	62 - 139	1	50
1,2,3-Trichlorobenzene	0.0500	0.05759		mg/Kg		115	70 - 150	2	50
1,2,4-Trichlorobenzene	0.0500	0.05874		mg/Kg		117	62 - 150	5	50
1,1,1-Trichloroethane	0.0500	0.04493		mg/Kg		90	72 - 140	1	50
1,1,2-Trichloroethane	0.0500	0.05102		mg/Kg		102	78 - 128	2	50
Trichloroethene	0.0500	0.04558		mg/Kg		91	77 - 127	5	50
Trichlorofluoromethane	0.0500	0.05188		mg/Kg		104	50 - 140	5	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-114674/9**

**Matrix: Solid**

**Analysis Batch: 114674**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.05069		mg/Kg		101	67 - 136	4	50
Vinyl chloride	0.0500	0.05573		mg/Kg		111	47 - 136	4	50
Xylenes, Total	0.100	0.1065		mg/Kg		106	80 - 137	4	50

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
Toluene-d8 (Surr)	117		70 - 130

**Lab Sample ID: MB 490-114976/6**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.00		2.50	2.00	mg/Kg			10/17/13 12:29	1
Benzene	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
Bromochloromethane	<0.0275		0.100	0.0275	mg/Kg			10/17/13 12:29	1
Bromodichloromethane	<0.0275		0.100	0.0275	mg/Kg			10/17/13 12:29	1
Bromoform	<0.0275		0.100	0.0275	mg/Kg			10/17/13 12:29	1
Bromomethane	<0.0600		0.100	0.0600	mg/Kg			10/17/13 12:29	1
2-Butanone (MEK)	<0.255		2.50	0.255	mg/Kg			10/17/13 12:29	1
Carbon disulfide	<0.180		0.250	0.180	mg/Kg			10/17/13 12:29	1
Carbon tetrachloride	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
Chlorobenzene	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
Chlorodibromomethane	<0.0170		0.100	0.0170	mg/Kg			10/17/13 12:29	1
Chloroethane	<0.0950		0.250	0.0950	mg/Kg			10/17/13 12:29	1
Chloroform	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
Chloromethane	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
cis-1,2-Dichloroethene	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
cis-1,3-Dichloropropene	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
Cyclohexane	<0.165		0.500	0.165	mg/Kg			10/17/13 12:29	1
1,2-Dibromo-3-Chloropropane	<0.0350		0.250	0.0350	mg/Kg			10/17/13 12:29	1
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/Kg			10/17/13 12:29	1
1,2-Dichlorobenzene	<0.0170		0.100	0.0170	mg/Kg			10/17/13 12:29	1
1,3-Dichlorobenzene	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
1,4-Dichlorobenzene	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
Dichlorodifluoromethane	<0.0500		0.100	0.0500	mg/Kg			10/17/13 12:29	1
1,1-Dichloroethane	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
1,2-Dichloroethane	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
1,1-Dichloroethene	<0.0285		0.100	0.0285	mg/Kg			10/17/13 12:29	1
1,2-Dichloropropane	<0.0470		0.100	0.0470	mg/Kg			10/17/13 12:29	1
Ethylbenzene	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
2-Hexanone	<0.835		2.50	0.835	mg/Kg			10/17/13 12:29	1
Isopropylbenzene	<0.0205		0.100	0.0205	mg/Kg			10/17/13 12:29	1
Methyl acetate	<0.120		0.500	0.120	mg/Kg			10/17/13 12:29	1
Methylcyclohexane	<0.165		0.500	0.165	mg/Kg			10/17/13 12:29	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114976/6**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.06255	J	0.500	0.0430	mg/Kg			10/17/13 12:29	1
4-Methyl-2-pentanone (MIBK)	<0.850		2.50	0.850	mg/Kg			10/17/13 12:29	1
Methyl tert-butyl ether	<0.0480		0.100	0.0480	mg/Kg			10/17/13 12:29	1
Styrene	<0.0550		0.100	0.0550	mg/Kg			10/17/13 12:29	1
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/Kg			10/17/13 12:29	1
Tetrachloroethene	<0.0365		0.100	0.0365	mg/Kg			10/17/13 12:29	1
Toluene	<0.0370		0.100	0.0370	mg/Kg			10/17/13 12:29	1
trans-1,2-Dichloroethene	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
trans-1,3-Dichloropropene	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
1,2,3-Trichlorobenzene	<0.0190		0.100	0.0190	mg/Kg			10/17/13 12:29	1
1,2,4-Trichlorobenzene	<0.0335		0.100	0.0335	mg/Kg			10/17/13 12:29	1
1,1,1-Trichloroethane	<0.0460		0.100	0.0460	mg/Kg			10/17/13 12:29	1
1,1,2-Trichloroethane	<0.0700		0.250	0.0700	mg/Kg			10/17/13 12:29	1
Trichloroethene	<0.0480		0.100	0.0480	mg/Kg			10/17/13 12:29	1
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/Kg			10/17/13 12:29	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.0395		0.100	0.0395	mg/Kg			10/17/13 12:29	1
Vinyl chloride	<0.0550		0.100	0.0550	mg/Kg			10/17/13 12:29	1
Xylenes, Total	<0.0335		0.150	0.0335	mg/Kg			10/17/13 12:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130		10/17/13 12:29	1
Dibromofluoromethane (Surr)	100		70 - 130		10/17/13 12:29	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 130		10/17/13 12:29	1
Toluene-d8 (Surr)	96		70 - 130		10/17/13 12:29	1

**Lab Sample ID: MB 490-114976/7**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0400		0.0500	0.0400	mg/Kg			10/17/13 12:59	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/17/13 12:59	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/17/13 12:59	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			10/17/13 12:59	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			10/17/13 12:59	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			10/17/13 12:59	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			10/17/13 12:59	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			10/17/13 12:59	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			10/17/13 12:59	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/17/13 12:59	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			10/17/13 12:59	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114976/7**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			10/17/13 12:59	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			10/17/13 12:59	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/17/13 12:59	1
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			10/17/13 12:59	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			10/17/13 12:59	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			10/17/13 12:59	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			10/17/13 12:59	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			10/17/13 12:59	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/17/13 12:59	1
Methylene Chloride	<0.000860		0.0100	0.000860	mg/Kg			10/17/13 12:59	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			10/17/13 12:59	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			10/17/13 12:59	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			10/17/13 12:59	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			10/17/13 12:59	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			10/17/13 12:59	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			10/17/13 12:59	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			10/17/13 12:59	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			10/17/13 12:59	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			10/17/13 12:59	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			10/17/13 12:59	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/17/13 12:59	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			10/17/13 12:59	1
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			10/17/13 12:59	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			10/17/13 12:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130		10/17/13 12:59	1
Dibromofluoromethane (Surr)	101		70 - 130		10/17/13 12:59	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		10/17/13 12:59	1
Toluene-d8 (Surr)	94		70 - 130		10/17/13 12:59	1

**Lab Sample ID: LCS 490-114976/3**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2820		mg/Kg		113	51 - 149
Benzene	0.0500	0.05101		mg/Kg		102	75 - 127
Bromochloromethane	0.0500	0.05750		mg/Kg		115	70 - 132
Bromodichloromethane	0.0500	0.06200		mg/Kg		124	68 - 135

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114976/3**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	0.0500	0.06738	E	mg/Kg		135	36 - 150
Bromomethane	0.0500	0.05168		mg/Kg		103	43 - 142
2-Butanone (MEK)	0.250	0.2854		mg/Kg		114	61 - 132
Carbon disulfide	0.0500	0.05425		mg/Kg		109	74 - 135
Carbon tetrachloride	0.0500	0.05793		mg/Kg		116	70 - 141
Chlorobenzene	0.0500	0.05293		mg/Kg		106	84 - 125
Chlorodibromomethane	0.0500	0.06193	E	mg/Kg		124	66 - 134
Chloroethane	0.0500	0.04841		mg/Kg		97	53 - 144
Chloroform	0.0500	0.04933		mg/Kg		99	76 - 130
Chloromethane	0.0500	0.05246		mg/Kg		105	23 - 150
cis-1,2-Dichloroethene	0.0500	0.05248		mg/Kg		105	75 - 125
cis-1,3-Dichloropropene	0.0500	0.04709		mg/Kg		94	73 - 148
Cyclohexane	0.0500	0.05432		mg/Kg		109	70 - 133
1,2-Dibromo-3-Chloropropane	0.0500	0.05352		mg/Kg		107	49 - 142
1,2-Dibromoethane (EDB)	0.0500	0.05607		mg/Kg		112	80 - 135
1,2-Dichlorobenzene	0.0500	0.05660		mg/Kg		113	80 - 134
1,3-Dichlorobenzene	0.0500	0.05662		mg/Kg		113	79 - 137
1,4-Dichlorobenzene	0.0500	0.05374		mg/Kg		107	77 - 139
Dichlorodifluoromethane	0.0500	0.04837		mg/Kg		97	12 - 144
1,1-Dichloroethane	0.0500	0.05237		mg/Kg		105	75 - 124
1,2-Dichloroethane	0.0500	0.04738		mg/Kg		95	65 - 134
1,1,1-Dichloroethene	0.0500	0.05027		mg/Kg		101	75 - 131
1,2-Dichloropropane	0.0500	0.05489		mg/Kg		110	69 - 120
Ethylbenzene	0.0500	0.05088		mg/Kg		102	80 - 134
2-Hexanone	0.250	0.2963		mg/Kg		119	57 - 148
Isopropylbenzene	0.0500	0.05571		mg/Kg		111	80 - 150
Methyl acetate	0.250	0.4029		mg/Kg		161	11 - 170
Methylcyclohexane	0.0500	0.05306		mg/Kg		106	69 - 140
Methylene Chloride	0.0500	0.04852		mg/Kg		97	68 - 144
4-Methyl-2-pentanone (MIBK)	0.250	0.2622		mg/Kg		105	59 - 138
Methyl tert-butyl ether	0.0500	0.06396		mg/Kg		128	70 - 136
Styrene	0.0500	0.05664		mg/Kg		113	82 - 137
1,1,1,2-Tetrachloroethane	0.0500	0.05466		mg/Kg		109	66 - 134
Tetrachloroethene	0.0500	0.04985		mg/Kg		100	78 - 140
Toluene	0.0500	0.04519		mg/Kg		90	80 - 132
trans-1,2-Dichloroethene	0.0500	0.05084		mg/Kg		102	76 - 128
trans-1,3-Dichloropropene	0.0500	0.05066		mg/Kg		101	62 - 139
1,2,3-Trichlorobenzene	0.0500	0.06634		mg/Kg		133	70 - 150
1,2,4-Trichlorobenzene	0.0500	0.06228		mg/Kg		125	62 - 150
1,1,1-Trichloroethane	0.0500	0.05366		mg/Kg		107	72 - 140
1,1,2-Trichloroethane	0.0500	0.05037		mg/Kg		101	78 - 128
Trichloroethene	0.0500	0.05783		mg/Kg		116	77 - 127
Trichlorofluoromethane	0.0500	0.04959		mg/Kg		99	50 - 140
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.05179		mg/Kg		104	67 - 136
Vinyl chloride	0.0500	0.05136		mg/Kg		103	47 - 136
Xylenes, Total	0.100	0.1034		mg/Kg		103	80 - 137

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114976/3**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
Toluene-d8 (Surr)	88		70 - 130

**Lab Sample ID: LCSD 490-114976/4**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.250	0.2854		mg/Kg		114	51 - 149	1	50
Benzene	0.0500	0.04885		mg/Kg		98	75 - 127	4	50
Bromochloromethane	0.0500	0.05564		mg/Kg		111	70 - 132	3	50
Bromodichloromethane	0.0500	0.05804		mg/Kg		116	68 - 135	7	50
Bromoform	0.0500	0.06600	E	mg/Kg		132	36 - 150	2	50
Bromomethane	0.0500	0.05041		mg/Kg		101	43 - 142	2	50
2-Butanone (MEK)	0.250	0.2886		mg/Kg		115	61 - 132	1	50
Carbon disulfide	0.0500	0.05191		mg/Kg		104	74 - 135	4	50
Carbon tetrachloride	0.0500	0.05399		mg/Kg		108	70 - 141	7	50
Chlorobenzene	0.0500	0.05074		mg/Kg		101	84 - 125	4	50
Chlorodibromomethane	0.0500	0.06110	E	mg/Kg		122	66 - 134	1	50
Chloroethane	0.0500	0.04879		mg/Kg		98	53 - 144	1	50
Chloroform	0.0500	0.04762		mg/Kg		95	76 - 130	4	49
Chloromethane	0.0500	0.04858		mg/Kg		97	23 - 150	8	50
cis-1,2-Dichloroethene	0.0500	0.05012		mg/Kg		100	75 - 125	5	50
cis-1,3-Dichloropropene	0.0500	0.05368		mg/Kg		107	73 - 148	13	50
Cyclohexane	0.0500	0.05046		mg/Kg		101	70 - 133	7	50
1,2-Dibromo-3-Chloropropane	0.0500	0.05276		mg/Kg		106	49 - 142	1	50
1,2-Dibromoethane (EDB)	0.0500	0.05459		mg/Kg		109	80 - 135	3	50
1,2-Dichlorobenzene	0.0500	0.05261		mg/Kg		105	80 - 134	7	50
1,3-Dichlorobenzene	0.0500	0.05325		mg/Kg		106	79 - 137	6	50
1,4-Dichlorobenzene	0.0500	0.04954		mg/Kg		99	77 - 139	8	50
Dichlorodifluoromethane	0.0500	0.04621		mg/Kg		92	12 - 144	5	50
1,1-Dichloroethane	0.0500	0.05052		mg/Kg		101	75 - 124	4	50
1,2-Dichloroethane	0.0500	0.04530		mg/Kg		91	65 - 134	4	50
1,1-Dichloroethene	0.0500	0.05132		mg/Kg		103	75 - 131	2	50
1,2-Dichloropropane	0.0500	0.05197		mg/Kg		104	69 - 120	5	50
Ethylbenzene	0.0500	0.04903		mg/Kg		98	80 - 134	4	50
2-Hexanone	0.250	0.2928		mg/Kg		117	57 - 148	1	50
Isopropylbenzene	0.0500	0.05236		mg/Kg		105	80 - 150	6	50
Methyl acetate	0.250	0.3731		mg/Kg		149	11 - 170	8	50
Methylcyclohexane	0.0500	0.04932		mg/Kg		99	69 - 140	7	50
Methylene Chloride	0.0500	0.04670		mg/Kg		93	68 - 144	4	50
4-Methyl-2-pentanone (MIBK)	0.250	0.2854		mg/Kg		114	59 - 138	8	50
Methyl tert-butyl ether	0.0500	0.06165		mg/Kg		123	70 - 136	4	50
Styrene	0.0500	0.05416		mg/Kg		108	82 - 137	4	50
1,1,2,2-Tetrachloroethane	0.0500	0.05297		mg/Kg		106	66 - 134	3	50
Tetrachloroethene	0.0500	0.04762		mg/Kg		95	78 - 140	5	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-114976/4

Matrix: Solid

Analysis Batch: 114976

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.0500	0.04588		mg/Kg		92	80 - 132	2	50
trans-1,2-Dichloroethene	0.0500	0.05049		mg/Kg		101	76 - 128	1	50
trans-1,3-Dichloropropene	0.0500	0.05019		mg/Kg		100	62 - 139	1	50
1,2,3-Trichlorobenzene	0.0500	0.06055		mg/Kg		121	70 - 150	9	50
1,2,4-Trichlorobenzene	0.0500	0.05628		mg/Kg		113	62 - 150	10	50
1,1,1-Trichloroethane	0.0500	0.05005		mg/Kg		100	72 - 140	7	50
1,1,2-Trichloroethane	0.0500	0.04833		mg/Kg		97	78 - 128	4	50
Trichloroethene	0.0500	0.05466		mg/Kg		109	77 - 127	6	50
Trichlorofluoromethane	0.0500	0.04528		mg/Kg		91	50 - 140	9	50
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.04917		mg/Kg		98	67 - 136	5	50
Vinyl chloride	0.0500	0.05079		mg/Kg		102	47 - 136	1	50
Xylenes, Total	0.100	0.09908		mg/Kg		99	80 - 137	4	50

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
Toluene-d8 (Surr)	93		70 - 130

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-114082/1-A

Matrix: Solid

Analysis Batch: 114575

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114082

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0100		0.0670	0.0100	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Acenaphthene	<0.0100		0.0670	0.0100	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Acenaphthylene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Acenaphthylene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Acetophenone	<0.0700		0.333	0.0700	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Acetophenone	<0.0700		0.333	0.0700	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Anthracene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Anthracene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Atrazine	<0.167		0.333	0.167	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Atrazine	<0.167		0.333	0.167	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzaldehyde	<0.286		1.67	0.286	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzaldehyde	<0.286		1.67	0.286	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[a]anthracene	<0.0150		0.0670	0.0150	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[a]anthracene	<0.0150		0.0670	0.0150	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[a]pyrene	<0.0120		0.0670	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[a]pyrene	<0.0120		0.0670	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[b]fluoranthene	<0.0120		0.0670	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[b]fluoranthene	<0.0120		0.0670	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[g,h,i]perylene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[g,h,i]perylene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[k]fluoranthene	<0.0140		0.0670	0.0140	mg/Kg		10/14/13 09:19	10/15/13 16:54	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-114082/1-A

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114082

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzo[k]fluoranthene	<0.0140		0.0670	0.0140	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Biphenyl	<0.104		0.333	0.104	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Biphenyl	<0.104		0.333	0.104	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Bis(2-chloroethoxy)methane	<0.0120		0.333	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Bis(2-chloroethoxy)methane	<0.0120		0.333	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Bis(2-chloroethyl)ether	<0.0200		0.333	0.0200	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Bis(2-chloroethyl)ether	<0.0200		0.333	0.0200	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
bis (2-chloroisopropyl) ether	<0.134		0.333	0.134	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
bis (2-chloroisopropyl) ether	<0.134		0.333	0.134	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Bis(2-ethylhexyl) phthalate	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Bis(2-ethylhexyl) phthalate	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Bromophenyl phenyl ether	<0.0170		0.333	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Bromophenyl phenyl ether	<0.0170		0.333	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Butyl benzyl phthalate	<0.0160		0.333	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Butyl benzyl phthalate	<0.0160		0.333	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Caprolactam	<0.108		0.333	0.108	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Caprolactam	<0.108		0.333	0.108	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Carbazole	<0.00700		0.333	0.00700	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Carbazole	<0.00700		0.333	0.00700	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Chloroaniline	<0.166		0.333	0.166	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Chloroaniline	<0.166		0.333	0.166	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Chloro-3-methylphenol	<0.0160		0.333	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Chloro-3-methylphenol	<0.0160		0.333	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Chloronaphthalene	<0.0170		0.333	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Chloronaphthalene	<0.0170		0.333	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Chlorophenol	<0.0150		0.333	0.0150	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Chlorophenol	<0.0150		0.333	0.0150	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Chlorophenyl phenyl ether	<0.0240		0.333	0.0240	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Chlorophenyl phenyl ether	<0.0240		0.333	0.0240	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Chrysene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Chrysene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Dibenz(a,h)anthracene	<0.00700		0.0670	0.00700	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Dibenz(a,h)anthracene	<0.00700		0.0670	0.00700	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Dibenzofuran	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Dibenzofuran	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
3,3'-Dichlorobenzidine	<0.133		0.667	0.133	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
3,3'-Dichlorobenzidine	<0.133		0.667	0.133	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4-Dichlorophenol	<0.0170		0.333	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4-Dichlorophenol	<0.0170		0.333	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Diethyl phthalate	<0.0140		0.333	0.0140	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Diethyl phthalate	<0.0140		0.333	0.0140	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Dimethyl phthalate	<0.00800		1.67	0.00800	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Dimethyl phthalate	<0.00800		1.67	0.00800	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Di-n-butyl phthalate	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Di-n-butyl phthalate	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4,6-Dinitro-2-methylphenol	<0.103		0.333	0.103	mg/Kg		10/14/13 09:19	10/15/13 16:54	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114082/1-A**

**Matrix: Solid**

**Analysis Batch: 114577**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,6-Dinitro-2-methylphenol	<0.103		0.333	0.103	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4-Dinitrophenol	<0.110		0.333	0.110	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4-Dinitrophenol	<0.110		0.333	0.110	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4-Dinitrotoluene	<0.00900		0.333	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4-Dinitrotoluene	<0.00900		0.333	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,6-Dinitrotoluene	<0.0310		0.333	0.0310	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,6-Dinitrotoluene	<0.0310		0.333	0.0310	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Di-n-octyl phthalate	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Di-n-octyl phthalate	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Fluoranthene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Fluoranthene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Fluorene	<0.0120		0.0670	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Fluorene	<0.0120		0.0670	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Hexachlorobenzene	<0.0290		0.333	0.0290	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Hexachlorobenzene	<0.0290		0.333	0.0290	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Hexachlorobutadiene	<0.0700		0.333	0.0700	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Hexachlorobutadiene	<0.0700		0.333	0.0700	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Hexachlorocyclopentadiene	<0.0160		0.333	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Hexachlorocyclopentadiene	<0.0160		0.333	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Hexachloroethane	<0.0200		0.333	0.0200	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Hexachloroethane	<0.0200		0.333	0.0200	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Indeno[1,2,3-cd]pyrene	<0.0100		0.0670	0.0100	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Indeno[1,2,3-cd]pyrene	<0.0100		0.0670	0.0100	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Isophorone	<0.0590		0.333	0.0590	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Isophorone	<0.0590		0.333	0.0590	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Methylnaphthalene	<0.0160		0.0670	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Methylnaphthalene	<0.0160		0.0670	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Methylphenol	<0.0930		0.333	0.0930	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Methylphenol	<0.0930		0.333	0.0930	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
3 & 4 Methylphenol	<0.0200		0.333	0.0200	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
3 & 4 Methylphenol	<0.0200		0.333	0.0200	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Naphthalene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Naphthalene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Nitroaniline	<0.0180		0.833	0.0180	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Nitroaniline	<0.0180		0.833	0.0180	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
3-Nitroaniline	<0.148		0.833	0.148	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
3-Nitroaniline	<0.148		0.833	0.148	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Nitroaniline	<0.0300		0.833	0.0300	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Nitroaniline	<0.0300		0.833	0.0300	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Nitrobenzene	<0.0170		0.333	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Nitrobenzene	<0.0170		0.333	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Nitrophenol	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Nitrophenol	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Nitrophenol	<0.0150		0.333	0.0150	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Nitrophenol	<0.0150		0.333	0.0150	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
N-Nitrosodi-n-propylamine	<0.0210		0.333	0.0210	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
N-Nitrosodi-n-propylamine	<0.0210		0.333	0.0210	mg/Kg		10/14/13 09:19	10/15/13 16:54	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114082/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114575**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114082**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		0.333	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		0.333	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Pentachlorophenol	<0.125		0.833	0.125	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Pentachlorophenol	<0.125		0.833	0.125	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Phenanthrene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Phenanthrene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Phenol	<0.0140		0.333	0.0140	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Phenol	<0.0140		0.333	0.0140	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Pyrene	<0.0120		0.0670	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Pyrene	<0.0120		0.0670	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	0.258	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	0.258	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,3,4,6-Tetrachlorophenol	<0.169		0.333	0.169	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,3,4,6-Tetrachlorophenol	<0.169		0.333	0.169	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4,5-Trichlorophenol	<0.0170		0.833	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4,5-Trichlorophenol	<0.0170		0.833	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4,6-Trichlorophenol	<0.0250		0.333	0.0250	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4,6-Trichlorophenol	<0.0250		0.333	0.0250	mg/Kg		10/14/13 09:19	10/15/13 16:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		29 - 120	10/14/13 09:19	10/15/13 16:54	1
2-Fluorobiphenyl (Surr)	77		29 - 120	10/14/13 09:19	10/15/13 16:54	1
2-Fluorophenol (Surr)	74		10 - 120	10/14/13 09:19	10/15/13 16:54	1
2-Fluorophenol (Surr)	74		10 - 120	10/14/13 09:19	10/15/13 16:54	1
Nitrobenzene-d5 (Surr)	75		27 - 120	10/14/13 09:19	10/15/13 16:54	1
Nitrobenzene-d5 (Surr)	75		27 - 120	10/14/13 09:19	10/15/13 16:54	1
Phenol-d5 (Surr)	73		10 - 120	10/14/13 09:19	10/15/13 16:54	1
Phenol-d5 (Surr)	73		10 - 120	10/14/13 09:19	10/15/13 16:54	1
Terphenyl-d14 (Surr)	92		13 - 120	10/14/13 09:19	10/15/13 16:54	1
Terphenyl-d14 (Surr)	92		13 - 120	10/14/13 09:19	10/15/13 16:54	1
2,4,6-Tribromophenol (Surr)	72		10 - 120	10/14/13 09:19	10/15/13 16:54	1
2,4,6-Tribromophenol (Surr)	72		10 - 120	10/14/13 09:19	10/15/13 16:54	1

**Lab Sample ID: LCS 490-114082/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114575**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114082**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.244		mg/Kg		75	36 - 120
Acenaphthene	1.67	1.244		mg/Kg		75	36 - 120
Acenaphthylene	1.67	1.249		mg/Kg		75	38 - 120
Acenaphthylene	1.67	1.249		mg/Kg		75	38 - 120
Acetophenone	1.67	1.171		mg/Kg		70	30 - 120
Acetophenone	1.67	1.171		mg/Kg		70	30 - 120
Anthracene	1.67	1.318		mg/Kg		79	46 - 124
Anthracene	1.67	1.318		mg/Kg		79	46 - 124

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114082/2-A**

**Matrix: Solid**

**Analysis Batch: 114575**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	1.67	4.619	E *	mg/Kg		277	41 - 120
Atrazine	1.67	4.619	E *	mg/Kg		277	41 - 120
Benzaldehyde	3.33	0.9088	J	mg/Kg		27	10 - 150
Benzaldehyde	3.33	0.9088	J	mg/Kg		27	10 - 150
Benzo[a]anthracene	1.67	1.290		mg/Kg		77	45 - 120
Benzo[a]anthracene	1.67	1.290		mg/Kg		77	45 - 120
Benzo[a]pyrene	1.67	1.292		mg/Kg		78	45 - 120
Benzo[a]pyrene	1.67	1.292		mg/Kg		78	45 - 120
Benzo[b]fluoranthene	1.67	1.364		mg/Kg		82	42 - 120
Benzo[b]fluoranthene	1.67	1.364		mg/Kg		82	42 - 120
Benzo[g,h,i]perylene	1.67	1.377		mg/Kg		83	38 - 120
Benzo[g,h,i]perylene	1.67	1.377		mg/Kg		83	38 - 120
Benzo[k]fluoranthene	1.67	1.244		mg/Kg		75	42 - 120
Benzo[k]fluoranthene	1.67	1.244		mg/Kg		75	42 - 120
Biphenyl	1.67	1.256		mg/Kg		75	15 - 120
Biphenyl	1.67	1.256		mg/Kg		75	15 - 120
Bis(2-chloroethoxy)methane	1.67	1.237		mg/Kg		74	32 - 120
Bis(2-chloroethoxy)methane	1.67	1.237		mg/Kg		74	32 - 120
Bis(2-chloroethyl)ether	1.67	1.167		mg/Kg		70	31 - 120
Bis(2-chloroethyl)ether	1.67	1.167		mg/Kg		70	31 - 120
bis (2-chloroisopropyl) ether	1.67	0.8320		mg/Kg		50	32 - 120
bis (2-chloroisopropyl) ether	1.67	0.8320		mg/Kg		50	32 - 120
Bis(2-ethylhexyl) phthalate	1.67	1.360		mg/Kg		82	43 - 120
Bis(2-ethylhexyl) phthalate	1.67	1.360		mg/Kg		82	43 - 120
4-Bromophenyl phenyl ether	1.67	1.239		mg/Kg		74	40 - 120
4-Bromophenyl phenyl ether	1.67	1.239		mg/Kg		74	40 - 120
Butyl benzyl phthalate	1.67	1.365		mg/Kg		82	43 - 133
Butyl benzyl phthalate	1.67	1.365		mg/Kg		82	43 - 133
Caprolactam	1.67	1.091		mg/Kg		65	18 - 138
Caprolactam	1.67	1.091		mg/Kg		65	18 - 138
Carbazole	1.67	1.304		mg/Kg		78	44 - 120
Carbazole	1.67	1.304		mg/Kg		78	44 - 120
4-Chloroaniline	1.67	1.320		mg/Kg		79	35 - 120
4-Chloroaniline	1.67	1.320		mg/Kg		79	35 - 120
4-Chloro-3-methylphenol	1.67	1.319		mg/Kg		79	38 - 120
4-Chloro-3-methylphenol	1.67	1.319		mg/Kg		79	38 - 120
2-Chloronaphthalene	1.67	1.208		mg/Kg		72	34 - 120
2-Chloronaphthalene	1.67	1.208		mg/Kg		72	34 - 120
2-Chlorophenol	1.67	1.250		mg/Kg		75	32 - 120
2-Chlorophenol	1.67	1.250		mg/Kg		75	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.297		mg/Kg		78	42 - 120
4-Chlorophenyl phenyl ether	1.67	1.297		mg/Kg		78	42 - 120
Chrysene	1.67	1.385		mg/Kg		83	43 - 120
Chrysene	1.67	1.385		mg/Kg		83	43 - 120
Dibenz(a,h)anthracene	1.67	1.368		mg/Kg		82	32 - 128
Dibenz(a,h)anthracene	1.67	1.368		mg/Kg		82	32 - 128
Dibenzofuran	1.67	1.245		mg/Kg		75	41 - 120
Dibenzofuran	1.67	1.245		mg/Kg		75	41 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114082/2-A**

**Matrix: Solid**

**Analysis Batch: 114575**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
3,3'-Dichlorobenzidine	1.67	1.066		mg/Kg		64	39 - 120
3,3'-Dichlorobenzidine	1.67	1.066		mg/Kg		64	39 - 120
2,4-Dichlorophenol	1.67	1.305		mg/Kg		78	32 - 120
2,4-Dichlorophenol	1.67	1.305		mg/Kg		78	32 - 120
Diethyl phthalate	1.67	1.314		mg/Kg		79	41 - 122
Diethyl phthalate	1.67	1.314		mg/Kg		79	41 - 122
2,4-Dimethylphenol	1.67	1.395		mg/Kg		84	32 - 120
2,4-Dimethylphenol	1.67	1.395		mg/Kg		84	32 - 120
Dimethyl phthalate	1.67	1.325	J	mg/Kg		79	55 - 120
Dimethyl phthalate	1.67	1.325	J	mg/Kg		79	55 - 120
Di-n-butyl phthalate	1.67	1.349		mg/Kg		81	46 - 127
Di-n-butyl phthalate	1.67	1.349		mg/Kg		81	46 - 127
4,6-Dinitro-2-methylphenol	3.33	2.688		mg/Kg		81	27 - 134
4,6-Dinitro-2-methylphenol	3.33	2.688		mg/Kg		81	27 - 134
2,4-Dinitrophenol	3.33	2.355		mg/Kg		71	23 - 142
2,4-Dinitrophenol	3.33	2.355		mg/Kg		71	23 - 142
2,4-Dinitrotoluene	1.67	1.281		mg/Kg		77	43 - 120
2,4-Dinitrotoluene	1.67	1.281		mg/Kg		77	43 - 120
2,6-Dinitrotoluene	1.67	1.259		mg/Kg		76	43 - 120
2,6-Dinitrotoluene	1.67	1.259		mg/Kg		76	43 - 120
Di-n-octyl phthalate	1.67	1.367		mg/Kg		82	40 - 130
Di-n-octyl phthalate	1.67	1.367		mg/Kg		82	40 - 130
Fluoranthene	1.67	1.301		mg/Kg		78	46 - 120
Fluoranthene	1.67	1.301		mg/Kg		78	46 - 120
Fluorene	1.67	1.291		mg/Kg		77	42 - 120
Fluorene	1.67	1.291		mg/Kg		77	42 - 120
Hexachlorobenzene	1.67	1.265		mg/Kg		76	44 - 120
Hexachlorobenzene	1.67	1.265		mg/Kg		76	44 - 120
Hexachlorobutadiene	1.67	1.172		mg/Kg		70	31 - 120
Hexachlorobutadiene	1.67	1.172		mg/Kg		70	31 - 120
Hexachlorocyclopentadiene	1.67	1.092		mg/Kg		65	24 - 120
Hexachlorocyclopentadiene	1.67	1.092		mg/Kg		65	24 - 120
Hexachloroethane	1.67	1.159		mg/Kg		70	33 - 120
Hexachloroethane	1.67	1.159		mg/Kg		70	33 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.299		mg/Kg		78	41 - 121
Indeno[1,2,3-cd]pyrene	1.67	1.299		mg/Kg		78	41 - 121
Isophorone	1.67	1.346		mg/Kg		81	33 - 120
Isophorone	1.67	1.346		mg/Kg		81	33 - 120
2-Methylnaphthalene	1.67	1.177		mg/Kg		71	28 - 120
2-Methylnaphthalene	1.67	1.177		mg/Kg		71	28 - 120
2-Methylphenol	1.67	1.349		mg/Kg		81	36 - 120
2-Methylphenol	1.67	1.349		mg/Kg		81	36 - 120
3 & 4 Methylphenol	1.67	1.383		mg/Kg		83	37 - 120
3 & 4 Methylphenol	1.67	1.383		mg/Kg		83	37 - 120
Naphthalene	1.67	1.155		mg/Kg		69	32 - 120
Naphthalene	1.67	1.155		mg/Kg		69	32 - 120
2-Nitroaniline	1.67	1.417		mg/Kg		85	40 - 120
2-Nitroaniline	1.67	1.417		mg/Kg		85	40 - 120

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114082/2-A**

**Matrix: Solid**

**Analysis Batch: 114575**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
3-Nitroaniline	1.67	1.195		mg/Kg		72	42 - 120
3-Nitroaniline	1.67	1.195		mg/Kg		72	42 - 120
4-Nitroaniline	1.67	1.220		mg/Kg		73	43 - 120
4-Nitroaniline	1.67	1.220		mg/Kg		73	43 - 120
Nitrobenzene	1.67	1.201		mg/Kg		72	26 - 120
Nitrobenzene	1.67	1.201		mg/Kg		72	26 - 120
2-Nitrophenol	1.67	1.218		mg/Kg		73	29 - 120
2-Nitrophenol	1.67	1.218		mg/Kg		73	29 - 120
4-Nitrophenol	3.33	2.737		mg/Kg		82	32 - 136
4-Nitrophenol	3.33	2.737		mg/Kg		82	32 - 136
N-Nitrosodi-n-propylamine	1.67	1.306		mg/Kg		78	35 - 120
N-Nitrosodi-n-propylamine	1.67	1.306		mg/Kg		78	35 - 120
n-Nitrosodiphenylamine(as diphenylamine)	1.67	1.330		mg/Kg		80	52 - 140
n-Nitrosodiphenylamine(as diphenylamine)	1.67	1.330		mg/Kg		80	52 - 140
Pentachlorophenol	3.33	3.004		mg/Kg		90	44 - 134
Pentachlorophenol	3.33	3.004		mg/Kg		90	44 - 134
Phenanthrene	1.67	1.309		mg/Kg		79	45 - 120
Phenanthrene	1.67	1.309		mg/Kg		79	45 - 120
Phenol	1.67	1.309		mg/Kg		79	30 - 120
Phenol	1.67	1.309		mg/Kg		79	30 - 120
Pyrene	1.67	1.341		mg/Kg		80	43 - 120
Pyrene	1.67	1.341		mg/Kg		80	43 - 120
1,2,4,5-Tetrachlorobenzene	1.67	1.211	J	mg/Kg		73	41 - 120
1,2,4,5-Tetrachlorobenzene	1.67	1.211	J	mg/Kg		73	41 - 120
2,3,4,6-Tetrachlorophenol	1.67	1.401		mg/Kg		84	44 - 120
2,3,4,6-Tetrachlorophenol	1.67	1.401		mg/Kg		84	44 - 120
2,4,5-Trichlorophenol	1.67	1.317		mg/Kg		79	39 - 120
2,4,5-Trichlorophenol	1.67	1.317		mg/Kg		79	39 - 120
2,4,6-Trichlorophenol	1.67	1.334		mg/Kg		80	39 - 120
2,4,6-Trichlorophenol	1.67	1.334		mg/Kg		80	39 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	64		29 - 120
2-Fluorobiphenyl (Surr)	64		29 - 120
2-Fluorophenol (Surr)	63		10 - 120
2-Fluorophenol (Surr)	63		10 - 120
Nitrobenzene-d5 (Surr)	66		27 - 120
Nitrobenzene-d5 (Surr)	66		27 - 120
Phenol-d5 (Surr)	69		10 - 120
Phenol-d5 (Surr)	69		10 - 120
Terphenyl-d14 (Surr)	76		13 - 120
Terphenyl-d14 (Surr)	76		13 - 120
2,4,6-Tribromophenol (Surr)	68		10 - 120
2,4,6-Tribromophenol (Surr)	68		10 - 120

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37359-A-13-C MS**

**Matrix: Solid**

**Analysis Batch: 114575**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Acenaphthene	<0.00970		1.65	1.483		mg/Kg	☼	90	19 - 120
Acenaphthene	<0.00970		1.65	1.483		mg/Kg	☼	90	19 - 120
Acenaphthylene	<0.00873		1.65	1.462		mg/Kg	☼	88	25 - 120
Acenaphthylene	<0.00873		1.65	1.462		mg/Kg	☼	88	25 - 120
Acetophenone	<0.0679		1.65	1.333		mg/Kg	☼	81	10 - 200
Acetophenone	<0.0679		1.65	1.333		mg/Kg	☼	81	10 - 200
Anthracene	<0.00873		1.65	1.458		mg/Kg	☼	88	28 - 125
Anthracene	<0.00873		1.65	1.458		mg/Kg	☼	88	28 - 125
Atrazine	<0.162 *		1.65	5.172	E F	mg/Kg	☼	313	10 - 200
Atrazine	<0.162 *		1.65	5.172	E F	mg/Kg	☼	313	10 - 200
Benzaldehyde	<0.277		3.31	1.617	J	mg/Kg	☼	49	10 - 200
Benzaldehyde	<0.277		3.31	1.617	J	mg/Kg	☼	49	10 - 200
Benzo[a]anthracene	<0.0145		1.65	1.457		mg/Kg	☼	88	23 - 120
Benzo[a]anthracene	<0.0145		1.65	1.457		mg/Kg	☼	88	23 - 120
Benzo[a]pyrene	<0.0116		1.65	1.399		mg/Kg	☼	85	15 - 128
Benzo[a]pyrene	<0.0116		1.65	1.399		mg/Kg	☼	85	15 - 128
Benzo[b]fluoranthene	<0.0116		1.65	1.497		mg/Kg	☼	91	12 - 133
Benzo[b]fluoranthene	<0.0116		1.65	1.497		mg/Kg	☼	91	12 - 133
Benzo[g,h,i]perylene	<0.00873		1.65	1.276		mg/Kg	☼	77	22 - 120
Benzo[g,h,i]perylene	<0.00873		1.65	1.276		mg/Kg	☼	77	22 - 120
Benzo[k]fluoranthene	<0.0136		1.65	1.473		mg/Kg	☼	89	28 - 120
Benzo[k]fluoranthene	<0.0136		1.65	1.473		mg/Kg	☼	89	28 - 120
Biphenyl	<0.101		1.65	1.422		mg/Kg	☼	86	10 - 200
Biphenyl	<0.101		1.65	1.422		mg/Kg	☼	86	10 - 200
Bis(2-chloroethoxy)methane	<0.0116		1.65	1.314		mg/Kg	☼	79	24 - 120
Bis(2-chloroethoxy)methane	<0.0116		1.65	1.314		mg/Kg	☼	79	24 - 120
Bis(2-chloroethyl)ether	<0.0194		1.65	1.287		mg/Kg	☼	78	22 - 120
Bis(2-chloroethyl)ether	<0.0194		1.65	1.287		mg/Kg	☼	78	22 - 120
bis (2-chloroisopropyl) ether	<0.130		1.65	1.033		mg/Kg	☼	62	20 - 120
bis (2-chloroisopropyl) ether	<0.130		1.65	1.033		mg/Kg	☼	62	20 - 120
Bis(2-ethylhexyl) phthalate	<0.0126		1.65	1.495		mg/Kg	☼	90	26 - 120
Bis(2-ethylhexyl) phthalate	<0.0126		1.65	1.495		mg/Kg	☼	90	26 - 120
4-Bromophenyl phenyl ether	<0.0165		1.65	1.461		mg/Kg	☼	88	31 - 120
4-Bromophenyl phenyl ether	<0.0165		1.65	1.461		mg/Kg	☼	88	31 - 120
Butyl benzyl phthalate	<0.0155		1.65	1.452		mg/Kg	☼	88	24 - 133
Butyl benzyl phthalate	<0.0155		1.65	1.452		mg/Kg	☼	88	24 - 133
Caprolactam	<0.105		1.65	1.098		mg/Kg	☼	66	10 - 199
Caprolactam	<0.105		1.65	1.098		mg/Kg	☼	66	10 - 199
Carbazole	<0.00679		1.65	1.490		mg/Kg	☼	90	25 - 123
Carbazole	<0.00679		1.65	1.490		mg/Kg	☼	90	25 - 123
4-Chloroaniline	<0.161		1.65	1.462		mg/Kg	☼	88	26 - 120
4-Chloroaniline	<0.161		1.65	1.462		mg/Kg	☼	88	26 - 120
4-Chloro-3-methylphenol	<0.0155		1.65	1.492		mg/Kg	☼	90	21 - 120
4-Chloro-3-methylphenol	<0.0155		1.65	1.492		mg/Kg	☼	90	21 - 120
2-Chloronaphthalene	<0.0165		1.65	1.422		mg/Kg	☼	86	24 - 120
2-Chloronaphthalene	<0.0165		1.65	1.422		mg/Kg	☼	86	24 - 120
2-Chlorophenol	<0.0145		1.65	1.334		mg/Kg	☼	81	25 - 120
2-Chlorophenol	<0.0145		1.65	1.334		mg/Kg	☼	81	25 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37359-A-13-C MS**

**Matrix: Solid**

**Analysis Batch: 114575**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
4-Chlorophenyl phenyl ether	<0.0233		1.65	1.467		mg/Kg	*	89	26 - 120
4-Chlorophenyl phenyl ether	<0.0233		1.65	1.467		mg/Kg	*	89	26 - 120
Chrysene	<0.00873		1.65	1.507		mg/Kg	*	91	20 - 120
Chrysene	<0.00873		1.65	1.507		mg/Kg	*	91	20 - 120
Dibenz(a,h)anthracene	<0.00679		1.65	1.343		mg/Kg	*	81	12 - 128
Dibenz(a,h)anthracene	<0.00679		1.65	1.343		mg/Kg	*	81	12 - 128
Dibenzofuran	<0.0126		1.65	1.439		mg/Kg	*	87	21 - 120
Dibenzofuran	<0.0126		1.65	1.439		mg/Kg	*	87	21 - 120
3,3'-Dichlorobenzidine	<0.129		1.65	1.104		mg/Kg	*	67	10 - 120
3,3'-Dichlorobenzidine	<0.129		1.65	1.104		mg/Kg	*	67	10 - 120
2,4-Dichlorophenol	<0.0165		1.65	1.439		mg/Kg	*	87	17 - 120
2,4-Dichlorophenol	<0.0165		1.65	1.439		mg/Kg	*	87	17 - 120
Diethyl phthalate	<0.0136		1.65	1.454		mg/Kg	*	88	29 - 122
Diethyl phthalate	<0.0136		1.65	1.454		mg/Kg	*	88	29 - 122
2,4-Dimethylphenol	<0.186		1.65	1.594		mg/Kg	*	96	17 - 120
2,4-Dimethylphenol	<0.186		1.65	1.594		mg/Kg	*	96	17 - 120
Dimethyl phthalate	0.0366	J	1.65	1.701		mg/Kg	*	101	30 - 120
Dimethyl phthalate	0.0366	J	1.65	1.701		mg/Kg	*	101	30 - 120
Di-n-butyl phthalate	<0.0126		1.65	1.481		mg/Kg	*	90	29 - 126
Di-n-butyl phthalate	<0.0126		1.65	1.481		mg/Kg	*	90	29 - 126
4,6-Dinitro-2-methylphenol	<0.0999		3.31	1.823		mg/Kg	*	55	10 - 134
4,6-Dinitro-2-methylphenol	<0.0999		3.31	1.823		mg/Kg	*	55	10 - 134
2,4-Dinitrophenol	<0.107		3.31	0.8833		mg/Kg	*	27	10 - 150
2,4-Dinitrophenol	<0.107		3.31	0.8833		mg/Kg	*	27	10 - 150
2,4-Dinitrotoluene	<0.00873		1.65	1.483		mg/Kg	*	90	24 - 121
2,4-Dinitrotoluene	<0.00873		1.65	1.483		mg/Kg	*	90	24 - 121
2,6-Dinitrotoluene	<0.0301		1.65	1.355		mg/Kg	*	82	24 - 120
2,6-Dinitrotoluene	<0.0301		1.65	1.355		mg/Kg	*	82	24 - 120
Di-n-octyl phthalate	<0.0126		1.65	1.658		mg/Kg	*	100	27 - 130
Di-n-octyl phthalate	<0.0126		1.65	1.658		mg/Kg	*	100	27 - 130
Fluoranthene	<0.00873		1.65	1.493		mg/Kg	*	90	10 - 143
Fluoranthene	<0.00873		1.65	1.493		mg/Kg	*	90	10 - 143
Fluorene	<0.0116		1.65	1.493		mg/Kg	*	90	20 - 120
Fluorene	<0.0116		1.65	1.493		mg/Kg	*	90	20 - 120
Hexachlorobenzene	<0.0281		1.65	1.467		mg/Kg	*	89	25 - 120
Hexachlorobenzene	<0.0281		1.65	1.467		mg/Kg	*	89	25 - 120
Hexachlorobutadiene	<0.0679		1.65	1.368		mg/Kg	*	83	10 - 120
Hexachlorobutadiene	<0.0679		1.65	1.368		mg/Kg	*	83	10 - 120
Hexachlorocyclopentadiene	<0.0155		1.65	1.043		mg/Kg	*	63	10 - 120
Hexachlorocyclopentadiene	<0.0155		1.65	1.043		mg/Kg	*	63	10 - 120
Hexachloroethane	<0.0194		1.65	1.171		mg/Kg	*	71	10 - 120
Hexachloroethane	<0.0194		1.65	1.171		mg/Kg	*	71	10 - 120
Indeno[1,2,3-cd]pyrene	<0.00970		1.65	1.280		mg/Kg	*	77	22 - 121
Indeno[1,2,3-cd]pyrene	<0.00970		1.65	1.280		mg/Kg	*	77	22 - 121
Isophorone	<0.0572		1.65	1.453		mg/Kg	*	88	24 - 120
Isophorone	<0.0572		1.65	1.453		mg/Kg	*	88	24 - 120
2-Methylnaphthalene	<0.0155		1.65	1.329		mg/Kg	*	80	13 - 120
2-Methylnaphthalene	<0.0155		1.65	1.329		mg/Kg	*	80	13 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37359-A-13-C MS**

**Client Sample ID: Matrix Spike**

**Matrix: Solid**

**Prep Type: Total/NA**

**Analysis Batch: 114575**

**Prep Batch: 114082**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
2-Methylphenol	<0.0902		1.65	1.499		mg/Kg	*	91	23 - 120
2-Methylphenol	<0.0902		1.65	1.499		mg/Kg	*	91	23 - 120
3 & 4 Methylphenol	<0.0194		1.65	1.473		mg/Kg	*	89	19 - 120
3 & 4 Methylphenol	<0.0194		1.65	1.473		mg/Kg	*	89	19 - 120
Naphthalene	<0.00873		1.65	1.280		mg/Kg	*	77	10 - 120
Naphthalene	<0.00873		1.65	1.280		mg/Kg	*	77	10 - 120
2-Nitroaniline	<0.0175		1.65	1.649		mg/Kg	*	100	31 - 120
2-Nitroaniline	<0.0175		1.65	1.649		mg/Kg	*	100	31 - 120
3-Nitroaniline	<0.144		1.65	1.558		mg/Kg	*	94	31 - 120
3-Nitroaniline	<0.144		1.65	1.558		mg/Kg	*	94	31 - 120
4-Nitroaniline	<0.0291		1.65	1.564		mg/Kg	*	95	28 - 120
4-Nitroaniline	<0.0291		1.65	1.564		mg/Kg	*	95	28 - 120
Nitrobenzene	<0.0165		1.65	1.344		mg/Kg	*	81	19 - 120
Nitrobenzene	<0.0165		1.65	1.344		mg/Kg	*	81	19 - 120
2-Nitrophenol	<0.0126		1.65	1.322		mg/Kg	*	80	23 - 120
2-Nitrophenol	<0.0126		1.65	1.322		mg/Kg	*	80	23 - 120
4-Nitrophenol	<0.0145		3.31	3.092		mg/Kg	*	94	16 - 139
4-Nitrophenol	<0.0145		3.31	3.092		mg/Kg	*	94	16 - 139
N-Nitrosodi-n-propylamine	<0.0204		1.65	1.396		mg/Kg	*	84	24 - 120
N-Nitrosodi-n-propylamine	<0.0204		1.65	1.396		mg/Kg	*	84	24 - 120
n-Nitrosodiphenylamine(as diphenylamine)	<0.0155		1.65	1.520		mg/Kg	*	92	26 - 150
n-Nitrosodiphenylamine(as diphenylamine)	<0.0155		1.65	1.520		mg/Kg	*	92	26 - 150
Pentachlorophenol	<0.121		3.31	3.418		mg/Kg	*	103	19 - 145
Pentachlorophenol	<0.121		3.31	3.418		mg/Kg	*	103	19 - 145
Phenanthrene	<0.00873		1.65	1.505		mg/Kg	*	91	21 - 122
Phenanthrene	<0.00873		1.65	1.505		mg/Kg	*	91	21 - 122
Phenol	<0.0136		1.65	1.450		mg/Kg	*	88	15 - 120
Phenol	<0.0136		1.65	1.450		mg/Kg	*	88	15 - 120
Pyrene	<0.0116		1.65	1.439		mg/Kg	*	87	20 - 123
Pyrene	<0.0116		1.65	1.439		mg/Kg	*	87	20 - 123
1,2,4,5-Tetrachlorobenzene	<0.250		1.65	1.379	J	mg/Kg	*	83	10 - 200
1,2,4,5-Tetrachlorobenzene	<0.250		1.65	1.379	J	mg/Kg	*	83	10 - 200
2,3,4,6-Tetrachlorophenol	<0.164		1.65	1.625		mg/Kg	*	98	10 - 200
2,3,4,6-Tetrachlorophenol	<0.164		1.65	1.625		mg/Kg	*	98	10 - 200
2,4,5-Trichlorophenol	<0.0165		1.65	1.595		mg/Kg	*	96	27 - 120
2,4,5-Trichlorophenol	<0.0165		1.65	1.595		mg/Kg	*	96	27 - 120
2,4,6-Trichlorophenol	<0.0242		1.65	1.663		mg/Kg	*	101	24 - 122
2,4,6-Trichlorophenol	<0.0242		1.65	1.663		mg/Kg	*	101	24 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	61		29 - 120
2-Fluorobiphenyl (Surr)	61		29 - 120
2-Fluorophenol (Surr)	64		10 - 120
2-Fluorophenol (Surr)	64		10 - 120
Nitrobenzene-d5 (Surr)	66		27 - 120
Nitrobenzene-d5 (Surr)	66		27 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37359-A-13-C MS**

**Matrix: Solid**

**Analysis Batch: 114575**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Phenol-d5 (Surr)	72		10 - 120
Phenol-d5 (Surr)	72		10 - 120
Terphenyl-d14 (Surr)	72		13 - 120
Terphenyl-d14 (Surr)	72		13 - 120
2,4,6-Tribromophenol (Surr)	75		10 - 120
2,4,6-Tribromophenol (Surr)	75		10 - 120

**Lab Sample ID: 490-37359-A-13-D MSD**

**Matrix: Solid**

**Analysis Batch: 114575**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
Acenaphthene	<0.00970		1.67	1.177		mg/Kg	*	71	19 - 120	23	50	
Acenaphthene	<0.00970		1.67	1.177		mg/Kg	*	71	19 - 120	23	50	
Acenaphthylene	<0.00873		1.67	1.196		mg/Kg	*	72	25 - 120	20	50	
Acenaphthylene	<0.00873		1.67	1.196		mg/Kg	*	72	25 - 120	20	50	
Acetophenone	<0.0679		1.67	1.079		mg/Kg	*	65	10 - 200	21	50	
Acetophenone	<0.0679		1.67	1.079		mg/Kg	*	65	10 - 200	21	50	
Anthracene	<0.00873		1.67	1.252		mg/Kg	*	75	28 - 125	15	49	
Anthracene	<0.00873		1.67	1.252		mg/Kg	*	75	28 - 125	15	49	
Atrazine	<0.162	*	1.67	4.534	E F	mg/Kg	*	272	10 - 200	13	50	
Atrazine	<0.162	*	1.67	4.534	E F	mg/Kg	*	272	10 - 200	13	50	
Benzaldehyde	<0.277		3.33	1.616	J	mg/Kg	*	49	10 - 200	0	50	
Benzaldehyde	<0.277		3.33	1.616	J	mg/Kg	*	49	10 - 200	0	50	
Benzo[a]anthracene	<0.0145		1.67	1.224		mg/Kg	*	73	23 - 120	17	50	
Benzo[a]anthracene	<0.0145		1.67	1.224		mg/Kg	*	73	23 - 120	17	50	
Benzo[a]pyrene	<0.0116		1.67	1.245		mg/Kg	*	75	15 - 128	12	50	
Benzo[a]pyrene	<0.0116		1.67	1.245		mg/Kg	*	75	15 - 128	12	50	
Benzo[b]fluoranthene	<0.0116		1.67	1.295		mg/Kg	*	78	12 - 133	15	50	
Benzo[b]fluoranthene	<0.0116		1.67	1.295		mg/Kg	*	78	12 - 133	15	50	
Benzo[g,h,i]perylene	<0.00873		1.67	1.130		mg/Kg	*	68	22 - 120	12	50	
Benzo[g,h,i]perylene	<0.00873		1.67	1.130		mg/Kg	*	68	22 - 120	12	50	
Benzo[k]fluoranthene	<0.0136		1.67	1.282		mg/Kg	*	77	28 - 120	14	45	
Benzo[k]fluoranthene	<0.0136		1.67	1.282		mg/Kg	*	77	28 - 120	14	45	
Biphenyl	<0.101		1.67	1.162		mg/Kg	*	70	10 - 200	20	50	
Biphenyl	<0.101		1.67	1.162		mg/Kg	*	70	10 - 200	20	50	
Bis(2-chloroethoxy)methane	<0.0116		1.67	1.122		mg/Kg	*	67	24 - 120	16	50	
Bis(2-chloroethoxy)methane	<0.0116		1.67	1.122		mg/Kg	*	67	24 - 120	16	50	
Bis(2-chloroethyl)ether	<0.0194		1.67	1.048		mg/Kg	*	63	22 - 120	20	50	
Bis(2-chloroethyl)ether	<0.0194		1.67	1.048		mg/Kg	*	63	22 - 120	20	50	
bis (2-chloroisopropyl) ether	<0.130		1.67	0.7527		mg/Kg	*	45	20 - 120	31	50	
bis (2-chloroisopropyl) ether	<0.130		1.67	0.7527		mg/Kg	*	45	20 - 120	31	50	
Bis(2-ethylhexyl) phthalate	<0.0126		1.67	1.209		mg/Kg	*	73	26 - 120	21	50	
Bis(2-ethylhexyl) phthalate	<0.0126		1.67	1.209		mg/Kg	*	73	26 - 120	21	50	
4-Bromophenyl phenyl ether	<0.0165		1.67	1.263		mg/Kg	*	76	31 - 120	15	37	
4-Bromophenyl phenyl ether	<0.0165		1.67	1.263		mg/Kg	*	76	31 - 120	15	37	
Butyl benzyl phthalate	<0.0155		1.67	1.225		mg/Kg	*	74	24 - 133	17	50	
Butyl benzyl phthalate	<0.0155		1.67	1.225		mg/Kg	*	74	24 - 133	17	50	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37359-A-13-D MSD**

**Matrix: Solid**

**Analysis Batch: 114575**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Caprolactam	<0.105		1.67	1.240		mg/Kg	*	74	10 - 199	12	50
Caprolactam	<0.105		1.67	1.240		mg/Kg	*	74	10 - 199	12	50
Carbazole	<0.00679		1.67	1.294		mg/Kg	*	78	25 - 123	14	46
Carbazole	<0.00679		1.67	1.294		mg/Kg	*	78	25 - 123	14	46
4-Chloroaniline	<0.161		1.67	1.251		mg/Kg	*	75	26 - 120	16	50
4-Chloroaniline	<0.161		1.67	1.251		mg/Kg	*	75	26 - 120	16	50
4-Chloro-3-methylphenol	<0.0155		1.67	1.279		mg/Kg	*	77	21 - 120	15	49
4-Chloro-3-methylphenol	<0.0155		1.67	1.279		mg/Kg	*	77	21 - 120	15	49
2-Chloronaphthalene	<0.0165		1.67	1.101		mg/Kg	*	66	24 - 120	25	50
2-Chloronaphthalene	<0.0165		1.67	1.101		mg/Kg	*	66	24 - 120	25	50
2-Chlorophenol	<0.0145		1.67	1.109		mg/Kg	*	67	25 - 120	18	50
2-Chlorophenol	<0.0145		1.67	1.109		mg/Kg	*	67	25 - 120	18	50
4-Chlorophenyl phenyl ether	<0.0233		1.67	1.228		mg/Kg	*	74	26 - 120	18	50
4-Chlorophenyl phenyl ether	<0.0233		1.67	1.228		mg/Kg	*	74	26 - 120	18	50
Chrysene	<0.00873		1.67	1.249		mg/Kg	*	75	20 - 120	19	49
Chrysene	<0.00873		1.67	1.249		mg/Kg	*	75	20 - 120	19	49
Dibenz(a,h)anthracene	<0.00679		1.67	1.173		mg/Kg	*	70	12 - 128	14	50
Dibenz(a,h)anthracene	<0.00679		1.67	1.173		mg/Kg	*	70	12 - 128	14	50
Dibenzofuran	<0.0126		1.67	1.174		mg/Kg	*	70	21 - 120	20	50
Dibenzofuran	<0.0126		1.67	1.174		mg/Kg	*	70	21 - 120	20	50
3,3'-Dichlorobenzidine	<0.129		1.67	1.007		mg/Kg	*	60	10 - 120	9	50
3,3'-Dichlorobenzidine	<0.129		1.67	1.007		mg/Kg	*	60	10 - 120	9	50
2,4-Dichlorophenol	<0.0165		1.67	1.199		mg/Kg	*	72	17 - 120	18	50
2,4-Dichlorophenol	<0.0165		1.67	1.199		mg/Kg	*	72	17 - 120	18	50
Diethyl phthalate	<0.0136		1.67	1.221		mg/Kg	*	73	29 - 122	17	45
Diethyl phthalate	<0.0136		1.67	1.221		mg/Kg	*	73	29 - 122	17	45
2,4-Dimethylphenol	<0.186		1.67	1.365		mg/Kg	*	82	17 - 120	15	50
2,4-Dimethylphenol	<0.186		1.67	1.365		mg/Kg	*	82	17 - 120	15	50
Dimethyl phthalate	0.0366	J	1.67	1.423	J	mg/Kg	*	83	30 - 120	18	46
Dimethyl phthalate	0.0366	J	1.67	1.423	J	mg/Kg	*	83	30 - 120	18	46
Di-n-butyl phthalate	<0.0126		1.67	1.268		mg/Kg	*	76	29 - 126	16	49
Di-n-butyl phthalate	<0.0126		1.67	1.268		mg/Kg	*	76	29 - 126	16	49
4,6-Dinitro-2-methylphenol	<0.0999		3.33	1.642		mg/Kg	*	49	10 - 134	10	50
4,6-Dinitro-2-methylphenol	<0.0999		3.33	1.642		mg/Kg	*	49	10 - 134	10	50
2,4-Dinitrophenol	<0.107		3.33	1.030		mg/Kg	*	31	10 - 150	15	50
2,4-Dinitrophenol	<0.107		3.33	1.030		mg/Kg	*	31	10 - 150	15	50
2,4-Dinitrotoluene	<0.00873		1.67	1.207		mg/Kg	*	72	24 - 121	21	50
2,4-Dinitrotoluene	<0.00873		1.67	1.207		mg/Kg	*	72	24 - 121	21	50
2,6-Dinitrotoluene	<0.0301		1.67	1.184		mg/Kg	*	71	24 - 120	13	50
2,6-Dinitrotoluene	<0.0301		1.67	1.184		mg/Kg	*	71	24 - 120	13	50
Di-n-octyl phthalate	<0.0126		1.67	1.409		mg/Kg	*	85	27 - 130	16	50
Di-n-octyl phthalate	<0.0126		1.67	1.409		mg/Kg	*	85	27 - 130	16	50
Fluoranthene	<0.00873		1.67	1.293		mg/Kg	*	78	10 - 143	14	50
Fluoranthene	<0.00873		1.67	1.293		mg/Kg	*	78	10 - 143	14	50
Fluorene	<0.0116		1.67	1.225		mg/Kg	*	74	20 - 120	20	50
Fluorene	<0.0116		1.67	1.225		mg/Kg	*	74	20 - 120	20	50
Hexachlorobenzene	<0.0281		1.67	1.213		mg/Kg	*	73	25 - 120	19	50
Hexachlorobenzene	<0.0281		1.67	1.213		mg/Kg	*	73	25 - 120	19	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37359-A-13-D MSD**

**Matrix: Solid**

**Analysis Batch: 114575**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Hexachlorobutadiene	<0.0679		1.67	0.9882		mg/Kg	*	59	10 - 120	32	50
Hexachlorobutadiene	<0.0679		1.67	0.9882		mg/Kg	*	59	10 - 120	32	50
Hexachlorocyclopentadiene	<0.0155		1.67	0.7765		mg/Kg	*	47	10 - 120	29	50
Hexachlorocyclopentadiene	<0.0155		1.67	0.7765		mg/Kg	*	47	10 - 120	29	50
Hexachloroethane	<0.0194		1.67	0.9407		mg/Kg	*	56	10 - 120	22	50
Hexachloroethane	<0.0194		1.67	0.9407		mg/Kg	*	56	10 - 120	22	50
Indeno[1,2,3-cd]pyrene	<0.00970		1.67	1.131		mg/Kg	*	68	22 - 121	12	50
Indeno[1,2,3-cd]pyrene	<0.00970		1.67	1.131		mg/Kg	*	68	22 - 121	12	50
Isophorone	<0.0572		1.67	1.227		mg/Kg	*	74	24 - 120	17	50
Isophorone	<0.0572		1.67	1.227		mg/Kg	*	74	24 - 120	17	50
2-Methylnaphthalene	<0.0155		1.67	1.113		mg/Kg	*	67	13 - 120	18	50
2-Methylnaphthalene	<0.0155		1.67	1.113		mg/Kg	*	67	13 - 120	18	50
2-Methylphenol	<0.0902		1.67	1.249		mg/Kg	*	75	23 - 120	18	50
2-Methylphenol	<0.0902		1.67	1.249		mg/Kg	*	75	23 - 120	18	50
3 & 4 Methylphenol	<0.0194		1.67	1.295		mg/Kg	*	78	19 - 120	13	50
3 & 4 Methylphenol	<0.0194		1.67	1.295		mg/Kg	*	78	19 - 120	13	50
Naphthalene	<0.00873		1.67	1.045		mg/Kg	*	63	10 - 120	20	50
Naphthalene	<0.00873		1.67	1.045		mg/Kg	*	63	10 - 120	20	50
2-Nitroaniline	<0.0175		1.67	1.381		mg/Kg	*	83	31 - 120	18	50
2-Nitroaniline	<0.0175		1.67	1.381		mg/Kg	*	83	31 - 120	18	50
3-Nitroaniline	<0.144		1.67	1.386		mg/Kg	*	83	31 - 120	12	49
3-Nitroaniline	<0.144		1.67	1.386		mg/Kg	*	83	31 - 120	12	49
4-Nitroaniline	<0.0291		1.67	1.410		mg/Kg	*	85	28 - 120	10	49
4-Nitroaniline	<0.0291		1.67	1.410		mg/Kg	*	85	28 - 120	10	49
Nitrobenzene	<0.0165		1.67	1.086		mg/Kg	*	65	19 - 120	21	50
Nitrobenzene	<0.0165		1.67	1.086		mg/Kg	*	65	19 - 120	21	50
2-Nitrophenol	<0.0126		1.67	1.146		mg/Kg	*	69	23 - 120	14	50
2-Nitrophenol	<0.0126		1.67	1.146		mg/Kg	*	69	23 - 120	14	50
4-Nitrophenol	<0.0145		3.33	2.884		mg/Kg	*	87	16 - 139	7	45
4-Nitrophenol	<0.0145		3.33	2.884		mg/Kg	*	87	16 - 139	7	45
N-Nitrosodi-n-propylamine	<0.0204		1.67	1.180		mg/Kg	*	71	24 - 120	17	50
N-Nitrosodi-n-propylamine	<0.0204		1.67	1.180		mg/Kg	*	71	24 - 120	17	50
n-Nitrosodiphenylamine(as diphenylamine)	<0.0155		1.67	1.285		mg/Kg	*	77	26 - 150	17	50
n-Nitrosodiphenylamine(as diphenylamine)	<0.0155		1.67	1.285		mg/Kg	*	77	26 - 150	17	50
Pentachlorophenol	<0.121		3.33	2.941		mg/Kg	*	88	19 - 145	15	50
Pentachlorophenol	<0.121		3.33	2.941		mg/Kg	*	88	19 - 145	15	50
Phenanthrene	<0.00873		1.67	1.322		mg/Kg	*	79	21 - 122	13	50
Phenanthrene	<0.00873		1.67	1.322		mg/Kg	*	79	21 - 122	13	50
Phenol	<0.0136		1.67	1.243		mg/Kg	*	75	15 - 120	15	50
Phenol	<0.0136		1.67	1.243		mg/Kg	*	75	15 - 120	15	50
Pyrene	<0.0116		1.67	1.190		mg/Kg	*	71	20 - 123	19	50
Pyrene	<0.0116		1.67	1.190		mg/Kg	*	71	20 - 123	19	50
1,2,4,5-Tetrachlorobenzene	<0.250		1.67	1.132	J	mg/Kg	*	68	10 - 200	20	50
1,2,4,5-Tetrachlorobenzene	<0.250		1.67	1.132	J	mg/Kg	*	68	10 - 200	20	50
2,3,4,6-Tetrachlorophenol	<0.164		1.67	1.405		mg/Kg	*	84	10 - 200	14	50
2,3,4,6-Tetrachlorophenol	<0.164		1.67	1.405		mg/Kg	*	84	10 - 200	14	50
2,4,5-Trichlorophenol	<0.0165		1.67	1.350		mg/Kg	*	81	27 - 120	17	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37359-A-13-D MSD**

**Matrix: Solid**

**Analysis Batch: 114577**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
2,4,5-Trichlorophenol	<0.0165		1.67	1.350		mg/Kg	✖	81	27 - 120	17	50
2,4,6-Trichlorophenol	<0.0242		1.67	1.340		mg/Kg	✖	80	24 - 122	22	50
2,4,6-Trichlorophenol	<0.0242		1.67	1.340		mg/Kg	✖	80	24 - 122	22	50

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	45		29 - 120
2-Fluorobiphenyl (Surr)	45		29 - 120
2-Fluorophenol (Surr)	51		10 - 120
2-Fluorophenol (Surr)	51		10 - 120
Nitrobenzene-d5 (Surr)	53		27 - 120
Nitrobenzene-d5 (Surr)	53		27 - 120
Phenol-d5 (Surr)	61		10 - 120
Phenol-d5 (Surr)	61		10 - 120
Terphenyl-d14 (Surr)	56		13 - 120
Terphenyl-d14 (Surr)	56		13 - 120
2,4,6-Tribromophenol (Surr)	65		10 - 120
2,4,6-Tribromophenol (Surr)	65		10 - 120

**Lab Sample ID: MB 490-114393/1-A**

**Matrix: Water**

**Analysis Batch: 114691**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114393**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.366		2.00	0.366	ug/L		10/15/13 10:09	10/16/13 13:17	1
Acenaphthylene	<0.330		2.00	0.330	ug/L		10/15/13 10:09	10/16/13 13:17	1
Acetophenone	<1.90		10.0	1.90	ug/L		10/15/13 10:09	10/16/13 13:17	1
Anthracene	<0.883		2.00	0.883	ug/L		10/15/13 10:09	10/16/13 13:17	1
Atrazine	<3.70		10.0	3.70	ug/L		10/15/13 10:09	10/16/13 13:17	1
Benzaldehyde	<2.15		10.0	2.15	ug/L		10/15/13 10:09	10/16/13 13:17	1
Benzo[a]anthracene	<0.324		2.00	0.324	ug/L		10/15/13 10:09	10/16/13 13:17	1
Benzo[a]pyrene	<0.330		2.00	0.330	ug/L		10/15/13 10:09	10/16/13 13:17	1
Benzo[b]fluoranthene	<0.422		2.00	0.422	ug/L		10/15/13 10:09	10/16/13 13:17	1
Benzo[g,h,i]perylene	<0.287		2.00	0.287	ug/L		10/15/13 10:09	10/16/13 13:17	1
Benzo[k]fluoranthene	<0.364		2.00	0.364	ug/L		10/15/13 10:09	10/16/13 13:17	1
Biphenyl	<3.33		10.0	3.33	ug/L		10/15/13 10:09	10/16/13 13:17	1
Bis(2-chloroethoxy)methane	<1.36		10.0	1.36	ug/L		10/15/13 10:09	10/16/13 13:17	1
Bis(2-chloroethyl)ether	<1.39		10.0	1.39	ug/L		10/15/13 10:09	10/16/13 13:17	1
bis(2-chloroisopropyl) ether	<1.96		10.0	1.96	ug/L		10/15/13 10:09	10/16/13 13:17	1
Bis(2-ethylhexyl) phthalate	<2.06		10.0	2.06	ug/L		10/15/13 10:09	10/16/13 13:17	1
4-Bromophenyl phenyl ether	<1.37		10.0	1.37	ug/L		10/15/13 10:09	10/16/13 13:17	1
Butyl benzyl phthalate	<1.74		10.0	1.74	ug/L		10/15/13 10:09	10/16/13 13:17	1
Caprolactam	<3.33		10.0	3.33	ug/L		10/15/13 10:09	10/16/13 13:17	1
Carbazole	<0.299		10.0	0.299	ug/L		10/15/13 10:09	10/16/13 13:17	1
4-Chloroaniline	<1.17		10.0	1.17	ug/L		10/15/13 10:09	10/16/13 13:17	1
4-Chloro-3-methylphenol	<3.33		10.0	3.33	ug/L		10/15/13 10:09	10/16/13 13:17	1
2-Chloronaphthalene	<1.64		10.0	1.64	ug/L		10/15/13 10:09	10/16/13 13:17	1
2-Chlorophenol	<1.59		10.0	1.59	ug/L		10/15/13 10:09	10/16/13 13:17	1
4-Chlorophenyl phenyl ether	<1.75		10.0	1.75	ug/L		10/15/13 10:09	10/16/13 13:17	1

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-114393/1-A

Matrix: Water

Analysis Batch: 114691

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114393

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	<1.09		2.00	1.09	ug/L		10/15/13 10:09	10/16/13 13:17	1
Dibenz(a,h)anthracene	<0.644		2.00	0.644	ug/L		10/15/13 10:09	10/16/13 13:17	1
Dibenzofuran	<0.339		10.0	0.339	ug/L		10/15/13 10:09	10/16/13 13:17	1
3,3'-Dichlorobenzidine	<1.52		10.0	1.52	ug/L		10/15/13 10:09	10/16/13 13:17	1
2,4-Dichlorophenol	<1.02		10.0	1.02	ug/L		10/15/13 10:09	10/16/13 13:17	1
Diethyl phthalate	<1.62		10.0	1.62	ug/L		10/15/13 10:09	10/16/13 13:17	1
2,4-Dimethylphenol	<0.996		10.0	0.996	ug/L		10/15/13 10:09	10/16/13 13:17	1
Dimethyl phthalate	<1.81		10.0	1.81	ug/L		10/15/13 10:09	10/16/13 13:17	1
Di-n-butyl phthalate	<1.50		10.0	1.50	ug/L		10/15/13 10:09	10/16/13 13:17	1
4,6-Dinitro-2-methylphenol	<2.07		25.0	2.07	ug/L		10/15/13 10:09	10/16/13 13:17	1
2,4-Dinitrophenol	<2.46		25.0	2.46	ug/L		10/15/13 10:09	10/16/13 13:17	1
2,4-Dinitrotoluene	<3.33		10.0	3.33	ug/L		10/15/13 10:09	10/16/13 13:17	1
2,6-Dinitrotoluene	<1.94		10.0	1.94	ug/L		10/15/13 10:09	10/16/13 13:17	1
Di-n-octyl phthalate	<2.31		10.0	2.31	ug/L		10/15/13 10:09	10/16/13 13:17	1
Fluoranthene	<0.347		2.00	0.347	ug/L		10/15/13 10:09	10/16/13 13:17	1
Fluorene	<0.316		2.00	0.316	ug/L		10/15/13 10:09	10/16/13 13:17	1
Hexachlorobenzene	<1.69		10.0	1.69	ug/L		10/15/13 10:09	10/16/13 13:17	1
Hexachlorobutadiene	<3.33		10.0	3.33	ug/L		10/15/13 10:09	10/16/13 13:17	1
Hexachlorocyclopentadiene	<3.33		10.0	3.33	ug/L		10/15/13 10:09	10/16/13 13:17	1
Hexachloroethane	<3.33		10.0	3.33	ug/L		10/15/13 10:09	10/16/13 13:17	1
Indeno[1,2,3-cd]pyrene	<0.381		2.00	0.381	ug/L		10/15/13 10:09	10/16/13 13:17	1
Isophorone	<1.24		10.0	1.24	ug/L		10/15/13 10:09	10/16/13 13:17	1
2-Methylnaphthalene	<0.311		2.00	0.311	ug/L		10/15/13 10:09	10/16/13 13:17	1
2-Methylphenol	<3.33		10.0	3.33	ug/L		10/15/13 10:09	10/16/13 13:17	1
3 & 4 Methylphenol	<3.33		10.0	3.33	ug/L		10/15/13 10:09	10/16/13 13:17	1
Naphthalene	<0.398		2.00	0.398	ug/L		10/15/13 10:09	10/16/13 13:17	1
2-Nitroaniline	<1.04		25.0	1.04	ug/L		10/15/13 10:09	10/16/13 13:17	1
3-Nitroaniline	<1.85		25.0	1.85	ug/L		10/15/13 10:09	10/16/13 13:17	1
4-Nitroaniline	<2.39		25.0	2.39	ug/L		10/15/13 10:09	10/16/13 13:17	1
Nitrobenzene	<1.24		10.0	1.24	ug/L		10/15/13 10:09	10/16/13 13:17	1
2-Nitrophenol	<1.57		10.0	1.57	ug/L		10/15/13 10:09	10/16/13 13:17	1
4-Nitrophenol	<3.33		25.0	3.33	ug/L		10/15/13 10:09	10/16/13 13:17	1
N-Nitrosodi-n-propylamine	<1.42		10.0	1.42	ug/L		10/15/13 10:09	10/16/13 13:17	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.44		10.0	1.44	ug/L		10/15/13 10:09	10/16/13 13:17	1
Pentachlorophenol	<1.65		25.0	1.65	ug/L		10/15/13 10:09	10/16/13 13:17	1
Phenanthrene	<0.343		2.00	0.343	ug/L		10/15/13 10:09	10/16/13 13:17	1
Phenol	<3.45		10.0	3.45	ug/L		10/15/13 10:09	10/16/13 13:17	1
Pyrene	<0.331		2.00	0.331	ug/L		10/15/13 10:09	10/16/13 13:17	1
1,2,4,5-Tetrachlorobenzene	<4.04		10.0	4.04	ug/L		10/15/13 10:09	10/16/13 13:17	1
2,3,4,6-Tetrachlorophenol	<3.63		10.0	3.63	ug/L		10/15/13 10:09	10/16/13 13:17	1
2,4,5-Trichlorophenol	<2.03		25.0	2.03	ug/L		10/15/13 10:09	10/16/13 13:17	1
2,4,6-Trichlorophenol	<1.76		10.0	1.76	ug/L		10/15/13 10:09	10/16/13 13:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	63		29 - 120	10/15/13 10:09	10/16/13 13:17	1
2-Fluorophenol (Surr)	46		10 - 120	10/15/13 10:09	10/16/13 13:17	1
Nitrobenzene-d5 (Surr)	71		27 - 120	10/15/13 10:09	10/16/13 13:17	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114393/1-A**  
**Matrix: Water**  
**Analysis Batch: 114691**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114393**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Phenol-d5 (Surr)	26		10 - 120	10/15/13 10:09	10/16/13 13:17	1
Terphenyl-d14 (Surr)	78		13 - 120	10/15/13 10:09	10/16/13 13:17	1
2,4,6-Tribromophenol (Surr)	73		10 - 120	10/15/13 10:09	10/16/13 13:17	1

**Lab Sample ID: LCS 490-114393/2-A**  
**Matrix: Water**  
**Analysis Batch: 114691**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114393**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Acenaphthene	50.0	44.81		ug/L		90	46 - 120
Acenaphthylene	50.0	45.24		ug/L		90	48 - 120
Acetophenone	50.0	43.56		ug/L		87	52 - 133
Anthracene	50.0	46.73		ug/L		93	58 - 130
Atrazine	50.0	173.7	E *	ug/L		347	24 - 133
Benzaldehyde	50.0	71.15	*	ug/L		142	34 - 120
Benzo[a]anthracene	50.0	45.86		ug/L		92	57 - 120
Benzo[a]pyrene	50.0	47.73		ug/L		95	57 - 124
Benzo[b]fluoranthene	50.0	45.65		ug/L		91	51 - 125
Benzo[g,h,i]perylene	50.0	45.66		ug/L		91	51 - 123
Benzo[k]fluoranthene	50.0	48.18		ug/L		96	51 - 120
Biphenyl	50.0	42.28		ug/L		85	10 - 146
Bis(2-chloroethoxy)methane	50.0	41.79		ug/L		84	44 - 120
Bis(2-chloroethyl)ether	50.0	41.66		ug/L		83	47 - 120
bis (2-chloroisopropyl) ether	50.0	33.13		ug/L		66	44 - 120
Bis(2-ethylhexyl) phthalate	50.0	43.78		ug/L		88	47 - 138
4-Bromophenyl phenyl ether	50.0	43.54		ug/L		87	47 - 127
Butyl benzyl phthalate	50.0	43.76		ug/L		88	51 - 146
Caprolactam	50.0	10.85		ug/L		22	10 - 120
Carbazole	50.0	47.67		ug/L		95	54 - 123
4-Chloroaniline	50.0	44.08		ug/L		88	44 - 120
4-Chloro-3-methylphenol	50.0	47.79		ug/L		96	44 - 120
2-Chloronaphthalene	50.0	41.59		ug/L		83	39 - 120
2-Chlorophenol	50.0	44.42		ug/L		89	40 - 120
4-Chlorophenyl phenyl ether	50.0	45.02		ug/L		90	50 - 120
Chrysene	50.0	47.57		ug/L		95	55 - 120
Dibenz(a,h)anthracene	50.0	46.74		ug/L		93	50 - 125
Dibenzofuran	50.0	44.44		ug/L		89	50 - 120
3,3'-Dichlorobenzidine	50.0	33.48		ug/L		67	46 - 129
2,4-Dichlorophenol	50.0	47.20		ug/L		94	38 - 120
Diethyl phthalate	50.0	45.05		ug/L		90	54 - 128
2,4-Dimethylphenol	50.0	47.97		ug/L		96	21 - 126
Dimethyl phthalate	50.0	45.09		ug/L		90	53 - 127
Di-n-butyl phthalate	50.0	45.49		ug/L		91	54 - 140
4,6-Dinitro-2-methylphenol	100	89.15		ug/L		89	19 - 150
2,4-Dinitrophenol	100	78.81		ug/L		79	20 - 150
2,4-Dinitrotoluene	50.0	48.06		ug/L		96	46 - 132
2,6-Dinitrotoluene	50.0	44.20		ug/L		88	54 - 128
Di-n-octyl phthalate	50.0	46.17		ug/L		92	50 - 142

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114393/2-A**

**Matrix: Water**

**Analysis Batch: 114691**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114393**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	50.0	48.59		ug/L		97	56 - 120
Fluorene	50.0	45.87		ug/L		92	52 - 120
Hexachlorobenzene	50.0	44.42		ug/L		89	48 - 131
Hexachlorobutadiene	50.0	30.21		ug/L		60	28 - 120
Hexachlorocyclopentadiene	50.0	30.27		ug/L		61	17 - 120
Hexachloroethane	50.0	29.62		ug/L		59	30 - 120
Indeno[1,2,3-cd]pyrene	50.0	44.30		ug/L		89	54 - 125
Isophorone	50.0	46.45		ug/L		93	47 - 120
2-Methylnaphthalene	50.0	39.74		ug/L		79	31 - 120
2-Methylphenol	50.0	42.31		ug/L		85	38 - 120
3 & 4 Methylphenol	50.0	36.91		ug/L		74	33 - 120
Naphthalene	50.0	37.34		ug/L		75	37 - 120
2-Nitroaniline	50.0	50.88		ug/L		102	46 - 131
3-Nitroaniline	50.0	45.61		ug/L		91	54 - 121
4-Nitroaniline	50.0	49.66		ug/L		99	55 - 123
Nitrobenzene	50.0	43.33		ug/L		87	36 - 120
2-Nitrophenol	50.0	44.87		ug/L		90	32 - 120
4-Nitrophenol	100	38.54		ug/L		39	10 - 120
N-Nitrosodi-n-propylamine	50.0	44.10		ug/L		88	51 - 120
n-Nitrosodiphenylamine(as diphenylamine)	50.0	41.02		ug/L		82	58 - 149
Pentachlorophenol	100	109.3		ug/L		109	21 - 150
Phenanthrene	50.0	46.30		ug/L		93	56 - 120
Phenol	50.0	19.75		ug/L		40	14 - 120
Pyrene	50.0	43.75		ug/L		88	53 - 129
1,2,4,5-Tetrachlorobenzene	50.0	39.57		ug/L		79	25 - 120
2,3,4,6-Tetrachlorophenol	50.0	49.33		ug/L		99	31 - 148
2,4,5-Trichlorophenol	50.0	48.09		ug/L		96	40 - 129
2,4,6-Trichlorophenol	50.0	48.25		ug/L		96	39 - 135

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	84		29 - 120
2-Fluorophenol (Surr)	54		10 - 120
Nitrobenzene-d5 (Surr)	88		27 - 120
Phenol-d5 (Surr)	34		10 - 120
Terphenyl-d14 (Surr)	88		13 - 120
2,4,6-Tribromophenol (Surr)	92		10 - 120

## Method: 8081B - Organochlorine Pesticides (GC)

**Lab Sample ID: MB 490-113530/1-A**

**Matrix: Water**

**Analysis Batch: 113685**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 113530**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	<0.00590		0.0250	0.00590	ug/L		10/10/13 16:43	10/11/13 13:32	1
alpha-BHC	<0.0111		0.0250	0.0111	ug/L		10/10/13 16:43	10/11/13 13:32	1
beta-BHC	<0.00700		0.0250	0.00700	ug/L		10/10/13 16:43	10/11/13 13:32	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: MB 490-113530/1-A**

**Matrix: Water**

**Analysis Batch: 113685**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 113530**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	<0.00770		0.0250	0.00770	ug/L		10/10/13 16:43	10/11/13 13:32	1
gamma-BHC (Lindane)	<0.00570		0.0250	0.00570	ug/L		10/10/13 16:43	10/11/13 13:32	1
alpha-Chlordane	<0.00530		0.0250	0.00530	ug/L		10/10/13 16:43	10/11/13 13:32	1
gamma-Chlordane	<0.0180		0.0250	0.0180	ug/L		10/10/13 16:43	10/11/13 13:32	1
Chlordane (technical)	<0.183		2.00	0.183	ug/L		10/10/13 16:43	10/11/13 13:32	1
4,4'-DDD	<0.00770		0.0250	0.00770	ug/L		10/10/13 16:43	10/11/13 13:32	1
4,4'-DDE	<0.00990		0.0250	0.00990	ug/L		10/10/13 16:43	10/11/13 13:32	1
4,4'-DDT	<0.00890		0.0250	0.00890	ug/L		10/10/13 16:43	10/11/13 13:32	1
Dieldrin	<0.00570		0.0250	0.00570	ug/L		10/10/13 16:43	10/11/13 13:32	1
Endosulfan I	<0.00780		0.0250	0.00780	ug/L		10/10/13 16:43	10/11/13 13:32	1
Endosulfan II	<0.00540		0.0250	0.00540	ug/L		10/10/13 16:43	10/11/13 13:32	1
Endosulfan sulfate	<0.00650		0.0250	0.00650	ug/L		10/10/13 16:43	10/11/13 13:32	1
Endrin	<0.00660		0.0250	0.00660	ug/L		10/10/13 16:43	10/11/13 13:32	1
Endrin aldehyde	<0.00870		0.0250	0.00870	ug/L		10/10/13 16:43	10/11/13 13:32	1
Endrin ketone	<0.00650		0.0250	0.00650	ug/L		10/10/13 16:43	10/11/13 13:32	1
Heptachlor	<0.00570		0.0250	0.00570	ug/L		10/10/13 16:43	10/11/13 13:32	1
Heptachlor epoxide	<0.00700		0.0250	0.00700	ug/L		10/10/13 16:43	10/11/13 13:32	1
Methoxychlor	<0.00530		0.0250	0.00530	ug/L		10/10/13 16:43	10/11/13 13:32	1
Toxaphene	<0.0413		2.00	0.0413	ug/L		10/10/13 16:43	10/11/13 13:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		38 - 150	10/10/13 16:43	10/11/13 13:32	1
DCB Decachlorobiphenyl (Surr)	60		10 - 141	10/10/13 16:43	10/11/13 13:32	1

**Lab Sample ID: LCS 490-113530/2-A**

**Matrix: Water**

**Analysis Batch: 113685**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113530**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.5846		ug/L		117	38 - 128
alpha-BHC	0.500	0.6608		ug/L		132	47 - 136
beta-BHC	0.500	0.5795		ug/L		116	50 - 140
delta-BHC	0.500	0.5216		ug/L		104	35 - 145
gamma-BHC (Lindane)	0.500	0.6395		ug/L		128	50 - 138
alpha-Chlordane	0.500	0.6356		ug/L		127	49 - 137
gamma-Chlordane	0.500	0.6373		ug/L		127	46 - 143
4,4'-DDD	0.500	0.6186		ug/L		124	51 - 150
4,4'-DDE	0.500	0.6149		ug/L		123	49 - 138
4,4'-DDT	0.500	0.6417		ug/L		128	33 - 150
Dieldrin	0.500	0.6491		ug/L		130	49 - 136
Endosulfan I	0.500	0.6361		ug/L		127	10 - 150
Endosulfan II	0.500	0.6357		ug/L		127	11 - 150
Endosulfan sulfate	0.500	0.6243		ug/L		125	43 - 150
Endrin	0.500	0.7358		ug/L		147	54 - 150
Endrin aldehyde	0.500	0.5967		ug/L		119	50 - 150
Endrin ketone	0.500	0.5861		ug/L		117	50 - 147
Heptachlor	0.500	0.6348		ug/L		127	43 - 146
Heptachlor epoxide	0.500	0.6445		ug/L		129	50 - 136

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 490-113530/2-A**

**Matrix: Water**

**Analysis Batch: 113685**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113530**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Methoxychlor	0.500	0.6821		ug/L		136	35 - 150	
<b>Surrogate</b>								
	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>					
Tetrachloro-m-xylene	98		38 - 150					
DCB Decachlorobiphenyl (Surr)	64		10 - 141					

**Lab Sample ID: LCS 490-113530/3-A**

**Matrix: Water**

**Analysis Batch: 113685**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113530**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Chlordane (technical)	5.00	4.117		ug/L		82	49 - 150	
Toxaphene	10.0	9.329		ug/L		93	34 - 150	
<b>Surrogate</b>								
	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>					
Tetrachloro-m-xylene	93		38 - 150					
DCB Decachlorobiphenyl (Surr)	73		10 - 141					

**Lab Sample ID: MB 490-114033/1-A**

**Matrix: Solid**

**Analysis Batch: 114485**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114033**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	<0.000310		0.00170	0.000310	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
alpha-BHC	<0.000200		0.00170	0.000200	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
beta-BHC	<0.00200		0.00330	0.00200	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
delta-BHC	<0.000380		0.00170	0.000380	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
gamma-BHC (Lindane)	<0.000390		0.00170	0.000390	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
alpha-Chlordane	<0.000430		0.00170	0.000430	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
gamma-Chlordane	<0.000790		0.00170	0.000790	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Chlordane (technical)	<0.0363		0.0667	0.0363	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
4,4'-DDD	<0.000430		0.00170	0.000430	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
4,4'-DDE	<0.000500		0.00170	0.000500	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
4,4'-DDT	<0.000850		0.00170	0.000850	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Dieldrin	<0.000400		0.00170	0.000400	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endosulfan I	<0.000470		0.00170	0.000470	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endosulfan II	<0.000550		0.00170	0.000550	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endosulfan sulfate	<0.000500		0.00170	0.000500	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endrin	<0.000430		0.00170	0.000430	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endrin aldehyde	<0.000510		0.00170	0.000510	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endrin ketone	<0.000590		0.00170	0.000590	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Heptachlor	<0.000420		0.00170	0.000420	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Heptachlor epoxide	<0.000650		0.00170	0.000650	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Methoxychlor	<0.000490		0.00330	0.000490	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Toxaphene	<0.0422		0.0667	0.0422	mg/Kg		10/14/13 06:57	10/15/13 13:46	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: MB 490-114033/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114485**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114033**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	86		21 - 145	10/14/13 06:57	10/15/13 13:46	1
DCB Decachlorobiphenyl (Surr)	101		25 - 150	10/14/13 06:57	10/15/13 13:46	1

**Lab Sample ID: LCS 490-114033/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114485**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114033**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Chlordane (technical)	0.167	0.1309		mg/Kg		79	50 - 150
Toxaphene	0.333	0.2472		mg/Kg		74	10 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	86		21 - 145
DCB Decachlorobiphenyl (Surr)	97		25 - 150

**Lab Sample ID: LCS 490-114033/3-A**  
**Matrix: Solid**  
**Analysis Batch: 114485**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114033**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Aldrin	0.0167	0.01379		mg/Kg		83	47 - 132
alpha-BHC	0.0167	0.01320		mg/Kg		79	45 - 128
beta-BHC	0.0167	0.01227		mg/Kg		74	48 - 135
delta-BHC	0.0167	0.01212		mg/Kg		73	10 - 149
gamma-BHC (Lindane)	0.0167	0.01291		mg/Kg		77	48 - 131
alpha-Chlordane	0.0167	0.01384		mg/Kg		83	47 - 134
gamma-Chlordane	0.0167	0.01392		mg/Kg		84	48 - 145
4,4'-DDD	0.0167	0.01339		mg/Kg		80	46 - 149
4,4'-DDE	0.0167	0.01342		mg/Kg		81	48 - 139
4,4'-DDT	0.0167	0.01186		mg/Kg		71	24 - 150
Dieldrin	0.0167	0.01353		mg/Kg		81	42 - 137
Endosulfan I	0.0167	0.01360		mg/Kg		82	10 - 150
Endosulfan II	0.0167	0.01369		mg/Kg		82	12 - 150
Endosulfan sulfate	0.0167	0.01339		mg/Kg		80	36 - 148
Endrin	0.0167	0.01572		mg/Kg		94	46 - 145
Endrin aldehyde	0.0167	0.009974		mg/Kg		60	48 - 150
Endrin ketone	0.0167	0.01248		mg/Kg		75	43 - 150
Heptachlor	0.0167	0.01347		mg/Kg		81	45 - 140
Heptachlor epoxide	0.0167	0.01358		mg/Kg		81	47 - 133
Methoxychlor	0.0167	0.01337		mg/Kg		80	23 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	70		21 - 145
DCB Decachlorobiphenyl (Surr)	78		25 - 150

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 490-37157-G-2-B MS**

**Matrix: Solid**

**Analysis Batch: 114485**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114033**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Aldrin	<0.000305		0.0166	<0.000309	F	mg/Kg	☼	0	11 - 140	
alpha-BHC	0.0319		0.0166	0.01245	E p F	mg/Kg	☼	-117	23 - 138	
beta-BHC	<0.00197		0.0166	0.01094	E p	mg/Kg	☼	66	12 - 179	
delta-BHC	<0.000374		0.0166	0.01047	E p	mg/Kg	☼	63	10 - 149	
gamma-BHC (Lindane)	0.0277		0.0166	0.01401	E p F	mg/Kg	☼	-82	24 - 145	
alpha-Chlordane	<0.000423		0.0166	0.01313		mg/Kg	☼	79	10 - 140	
gamma-Chlordane	0.000974		0.0166	0.006882	p	mg/Kg	☼	36	10 - 140	
4,4'-DDD	<0.000423		0.0166	0.01691		mg/Kg	☼	102	10 - 154	
4,4'-DDE	<0.000492		0.0166	0.01337		mg/Kg	☼	80	14 - 139	
4,4'-DDT	0.00609		0.0166	0.01244	p	mg/Kg	☼	38	10 - 152	
Dieldrin	<0.000394		0.0166	0.01787		mg/Kg	☼	107	10 - 148	
Endosulfan I	<0.000463		0.0166	0.01351		mg/Kg	☼	81	10 - 158	
Endosulfan II	<0.000542		0.0166	0.01856		mg/Kg	☼	112	10 - 152	
Endosulfan sulfate	<0.000492		0.0166	0.01192		mg/Kg	☼	72	10 - 148	
Endrin	<0.000423		0.0166	0.01573	p	mg/Kg	☼	95	20 - 145	
Endrin aldehyde	<0.000502		0.0166	0.01238		mg/Kg	☼	74	13 - 167	
Endrin ketone	<0.000581		0.0166	0.01084		mg/Kg	☼	65	13 - 150	
Heptachlor	<0.000414		0.0166	0.01231		mg/Kg	☼	74	10 - 161	
Heptachlor epoxide	<0.000640		0.0166	0.01400		mg/Kg	☼	84	15 - 139	
Methoxychlor	<0.000482		0.0166	0.01120		mg/Kg	☼	67	10 - 175	
		<b>MS MS</b>								
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
<i>Tetrachloro-m-xylene</i>	135	p	21 - 145							
<i>DCB Decachlorobiphenyl (Surr)</i>	64		25 - 150							

**Lab Sample ID: 490-37157-G-2-C MSD**

**Matrix: Solid**

**Analysis Batch: 114485**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114033**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
Aldrin	<0.000305		0.0167	<0.000310	F	mg/Kg	☼	0	11 - 140	NC	50		
alpha-BHC	0.0319		0.0167	0.01311	E p F	mg/Kg	☼	-113	23 - 138	5	50		
beta-BHC	<0.00197		0.0167	0.01056	E p	mg/Kg	☼	63	12 - 179	4	50		
delta-BHC	<0.000374		0.0167	0.01190	E p	mg/Kg	☼	71	10 - 149	13	50		
gamma-BHC (Lindane)	0.0277		0.0167	0.01195	E p F	mg/Kg	☼	-95	24 - 145	16	50		
alpha-Chlordane	<0.000423		0.0167	0.01155	p	mg/Kg	☼	69	10 - 140	13	50		
gamma-Chlordane	0.000974		0.0167	0.006393	p	mg/Kg	☼	33	10 - 140	7	50		
4,4'-DDD	<0.000423		0.0167	0.01082	E p	mg/Kg	☼	65	10 - 154	44	50		
4,4'-DDE	<0.000492		0.0167	0.01168	p	mg/Kg	☼	70	14 - 139	13	50		
4,4'-DDT	0.00609		0.0167	0.01065	E p	mg/Kg	☼	27	10 - 152	16	50		
Dieldrin	<0.000394		0.0167	0.01208	p	mg/Kg	☼	73	10 - 148	39	50		
Endosulfan I	<0.000463		0.0167	0.01131	p	mg/Kg	☼	68	10 - 158	18	50		
Endosulfan II	<0.000542		0.0167	0.01418	p	mg/Kg	☼	85	10 - 152	27	50		
Endosulfan sulfate	<0.000492		0.0167	0.01281		mg/Kg	☼	77	10 - 148	7	50		
Endrin	<0.000423		0.0167	0.01462	p	mg/Kg	☼	88	20 - 145	7	50		
Endrin aldehyde	<0.000502		0.0167	0.01150	p	mg/Kg	☼	69	13 - 167	7	50		
Endrin ketone	<0.000581		0.0167	0.01057		mg/Kg	☼	63	13 - 150	2	50		
Heptachlor	<0.000414		0.0167	0.01231		mg/Kg	☼	74	10 - 161	0	50		

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 490-37157-G-2-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 114485**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 114033**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Heptachlor epoxide	<0.000640		0.0167	0.01463	p	mg/Kg	✘	88	15 - 139	4	50
Methoxychlor	<0.000482		0.0167	0.01177		mg/Kg	✘	71	10 - 175	5	50
<b>MSD MSD</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
Tetrachloro-m-xylene	138	p	21 - 145								
DCB Decachlorobiphenyl (Surr)	71	p	25 - 150								

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 490-113581/1-A**  
**Matrix: Water**  
**Analysis Batch: 113657**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 113581**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0490		0.500	0.0490	ug/L		10/11/13 08:15	10/12/13 12:46	1
PCB-1221	<0.260		0.500	0.260	ug/L		10/11/13 08:15	10/12/13 12:46	1
PCB-1232	<0.0700		0.500	0.0700	ug/L		10/11/13 08:15	10/12/13 12:46	1
PCB-1242	<0.0640		0.500	0.0640	ug/L		10/11/13 08:15	10/12/13 12:46	1
PCB-1248	<0.0690		0.500	0.0690	ug/L		10/11/13 08:15	10/12/13 12:46	1
PCB-1254	<0.00700		0.500	0.00700	ug/L		10/11/13 08:15	10/12/13 12:46	1
PCB-1260	<0.0120		0.500	0.0120	ug/L		10/11/13 08:15	10/12/13 12:46	1
<b>MB MB</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>		<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	75		10 - 150		10/11/13 08:15		10/12/13 12:46		1
Tetrachloro-m-xylene	107		10 - 150		10/11/13 08:15		10/12/13 12:46		1

**Lab Sample ID: LCS 490-113581/2-A**  
**Matrix: Water**  
**Analysis Batch: 113657**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113581**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
PCB-1248	5.00	4.571		ug/L		91	11 - 150
<b>LCS LCS</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				
DCB Decachlorobiphenyl (Surr)	68		10 - 150				
Tetrachloro-m-xylene	81		10 - 150				

**Lab Sample ID: MB 490-114240/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114829**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114240**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0100		0.0333	0.0100	mg/Kg		10/14/13 15:34	10/16/13 20:21	1
PCB-1221	<0.0100		0.0333	0.0100	mg/Kg		10/14/13 15:34	10/16/13 20:21	1
PCB-1232	<0.0200		0.0333	0.0200	mg/Kg		10/14/13 15:34	10/16/13 20:21	1
PCB-1242	<0.0100		0.0333	0.0100	mg/Kg		10/14/13 15:34	10/16/13 20:21	1
PCB-1248	<0.0100		0.0333	0.0100	mg/Kg		10/14/13 15:34	10/16/13 20:21	1

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: MB 490-114240/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114829**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114240**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	<0.0100		0.0333	0.0100	mg/Kg		10/14/13 15:34	10/16/13 20:21	1
PCB-1260	<0.0100		0.0333	0.0100	mg/Kg		10/14/13 15:34	10/16/13 20:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	74		20 - 150	10/14/13 15:34	10/16/13 20:21	1
Tetrachloro-m-xylene	92		19 - 147	10/14/13 15:34	10/16/13 20:21	1

**Lab Sample ID: LCS 490-114240/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114829**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114240**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1248	0.167	0.1480		mg/Kg		89	45 - 149

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	74		20 - 150
Tetrachloro-m-xylene	71		19 - 147

**Lab Sample ID: 490-37411-7 MS**  
**Matrix: Soil**  
**Analysis Batch: 114829**

**Client Sample ID: Tract 33 SB3 14-18**  
**Prep Type: Total/NA**  
**Prep Batch: 114240**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1248	<0.0278		0.460	0.3672		mg/Kg	☼	80	11 - 158

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	63		20 - 150
Tetrachloro-m-xylene	59		19 - 147

**Lab Sample ID: 490-37411-7 MSD**  
**Matrix: Soil**  
**Analysis Batch: 114829**

**Client Sample ID: Tract 33 SB3 14-18**  
**Prep Type: Total/NA**  
**Prep Batch: 114240**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1248	<0.0278		0.471	0.3847		mg/Kg	☼	82	11 - 158	5	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	60		20 - 150
Tetrachloro-m-xylene	54		19 - 147

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 490-114220/1-A**  
**Matrix: Water**  
**Analysis Batch: 114658**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114220**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.09620	J	0.100	0.0680	mg/L		10/14/13 14:59	10/16/13 05:12	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/14/13 14:59	10/16/13 05:12	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/14/13 14:59	10/16/13 05:12	1
Barium	<0.000500		0.0100	0.000500	mg/L		10/14/13 14:59	10/16/13 05:12	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/14/13 14:59	10/16/13 05:12	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/14/13 14:59	10/16/13 05:12	1
Calcium	<0.150		1.00	0.150	mg/L		10/14/13 14:59	10/16/13 05:12	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/14/13 14:59	10/16/13 05:12	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/14/13 14:59	10/16/13 05:12	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/14/13 14:59	10/16/13 05:12	1
Iron	0.03290	J	0.100	0.0100	mg/L		10/14/13 14:59	10/16/13 05:12	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/14/13 14:59	10/16/13 05:12	1
Magnesium	<0.0530		1.00	0.0530	mg/L		10/14/13 14:59	10/16/13 05:12	1
Manganese	<0.00200		0.0150	0.00200	mg/L		10/14/13 14:59	10/16/13 05:12	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/14/13 14:59	10/16/13 05:12	1
Potassium	0.1190	J	1.00	0.0880	mg/L		10/14/13 14:59	10/16/13 05:12	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/14/13 14:59	10/16/13 05:12	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/14/13 14:59	10/16/13 05:12	1
Sodium	0.4635	J	1.00	0.360	mg/L		10/14/13 14:59	10/16/13 05:12	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/14/13 14:59	10/16/13 05:12	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/14/13 14:59	10/16/13 05:12	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/14/13 14:59	10/16/13 05:12	1

**Lab Sample ID: LCS 490-114220/2-A**  
**Matrix: Water**  
**Analysis Batch: 114658**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114220**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2.00	1.952		mg/L		98	80 - 120
Antimony	0.100	0.09670		mg/L		97	80 - 120
Arsenic	0.0500	0.04530		mg/L		91	80 - 120
Barium	2.00	2.037		mg/L		102	80 - 120
Beryllium	0.0500	0.04950		mg/L		99	80 - 120
Cadmium	0.0500	0.05100		mg/L		102	80 - 120
Calcium	5.00	4.806		mg/L		96	80 - 120
Chromium	0.200	0.1983		mg/L		99	80 - 120
Cobalt	0.500	0.5044		mg/L		101	80 - 120
Copper	0.250	0.2413		mg/L		97	80 - 120
Iron	1.00	0.9944		mg/L		99	80 - 120
Lead	0.0500	0.05230		mg/L		105	80 - 120
Magnesium	5.00	4.836		mg/L		97	80 - 120
Manganese	0.500	0.5142		mg/L		103	80 - 120
Nickel	0.500	0.5154		mg/L		103	80 - 120
Potassium	5.00	4.747		mg/L		95	80 - 120
Selenium	0.0500	0.05530		mg/L		111	80 - 120
Silver	0.0500	0.05070		mg/L		101	80 - 120
Sodium	5.00	5.262		mg/L		105	80 - 120
Thallium	0.0500	0.04850		mg/L		97	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-114220/2-A**  
**Matrix: Water**  
**Analysis Batch: 114658**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114220**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	0.500	0.4835		mg/L		97	80 - 120
Zinc	0.500	0.4901		mg/L		98	80 - 120

**Lab Sample ID: LCSD 490-114220/3-A**  
**Matrix: Water**  
**Analysis Batch: 114658**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 114220**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aluminum	2.00	1.988		mg/L		99	80 - 120	2	20
Antimony	0.100	0.09910		mg/L		99	80 - 120	2	20
Arsenic	0.0500	0.04620		mg/L		92	80 - 120	2	20
Barium	2.00	2.023		mg/L		101	80 - 120	1	20
Beryllium	0.0500	0.05010		mg/L		100	80 - 120	1	20
Cadmium	0.0500	0.05140		mg/L		103	80 - 120	1	20
Calcium	5.00	4.860		mg/L		97	80 - 120	1	20
Chromium	0.200	0.2008		mg/L		100	80 - 120	1	20
Cobalt	0.500	0.5019		mg/L		100	80 - 120	0	20
Copper	0.250	0.2406		mg/L		96	80 - 120	0	20
Iron	1.00	1.005		mg/L		101	80 - 120	1	20
Lead	0.0500	0.05240		mg/L		105	80 - 120	0	20
Magnesium	5.00	4.891		mg/L		98	80 - 120	1	20
Manganese	0.500	0.5175		mg/L		104	80 - 120	1	20
Nickel	0.500	0.5120		mg/L		102	80 - 120	1	20
Potassium	5.00	4.748		mg/L		95	80 - 120	0	20
Selenium	0.0500	0.05350		mg/L		107	80 - 120	3	20
Silver	0.0500	0.05170		mg/L		103	80 - 120	2	20
Sodium	5.00	5.245		mg/L		105	80 - 120	0	20
Thallium	0.0500	0.04690		mg/L		94	80 - 120	3	20
Vanadium	0.500	0.4950		mg/L		99	80 - 120	2	20
Zinc	0.500	0.4904		mg/L		98	80 - 120	0	20

**Lab Sample ID: 440-58931-BP-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 114658**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 114220**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.0952	J B	2.00	2.075		mg/L		99	75 - 125
Antimony	<0.00670		0.100	0.1044		mg/L		104	75 - 125
Arsenic	<0.00470		0.0500	0.05320		mg/L		106	75 - 125
Barium	0.0300		2.00	2.041		mg/L		101	75 - 125
Beryllium	<0.000300		0.0500	0.05180		mg/L		104	75 - 125
Cadmium	<0.000200		0.0500	0.05170		mg/L		103	75 - 125
Calcium	21.0		5.00	25.65	4	mg/L		93	75 - 125
Chromium	0.0143		0.200	0.2144		mg/L		100	75 - 125
Cobalt	<0.000900		0.500	0.5220		mg/L		104	75 - 125
Copper	<0.00700		0.250	0.2511		mg/L		100	75 - 125
Iron	0.830	B	1.00	1.815		mg/L		98	75 - 125
Lead	<0.00350		0.0500	0.05470		mg/L		109	75 - 125
Magnesium	1.93		5.00	6.865		mg/L		99	75 - 125

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 440-58931-BP-1-B MS**

**Matrix: Water**

**Analysis Batch: 114658**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114220**

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Manganese	0.00910	J	0.500	0.5290		mg/L		104	75 - 125	
Nickel	<0.00130		0.500	0.5288		mg/L		106	75 - 125	
Potassium	3.07	B	5.00	7.811		mg/L		95	75 - 125	
Selenium	0.00860	J	0.0500	0.05820		mg/L		99	75 - 125	
Silver	<0.00130		0.0500	0.05240		mg/L		105	75 - 125	
Sodium	312	B	5.00	301.6	4	mg/L		-200	75 - 125	
Thallium	<0.00450		0.0500	0.04910		mg/L		98	75 - 125	
Vanadium	0.0175	J	0.500	0.5275		mg/L		102	75 - 125	
Zinc	0.0130	J	0.500	0.5200		mg/L		101	75 - 125	

**Lab Sample ID: 440-58931-BP-1-C MSD**

**Matrix: Water**

**Analysis Batch: 114658**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114220**

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Aluminum	0.0952	J B	2.00	2.045		mg/L		97	75 - 125	1	20	
Antimony	<0.00670		0.100	0.1012		mg/L		101	75 - 125	3	20	
Arsenic	<0.00470		0.0500	0.05410		mg/L		108	75 - 125	2	20	
Barium	0.0300		2.00	2.071		mg/L		102	75 - 125	1	20	
Beryllium	<0.000300		0.0500	0.05200		mg/L		104	75 - 125	0	20	
Cadmium	<0.000200		0.0500	0.05210		mg/L		104	75 - 125	1	20	
Calcium	21.0		5.00	26.00	4	mg/L		100	75 - 125	1	20	
Chromium	0.0143		0.200	0.2127		mg/L		99	75 - 125	1	20	
Cobalt	<0.000900		0.500	0.5266		mg/L		105	75 - 125	1	20	
Copper	<0.00700		0.250	0.2518		mg/L		101	75 - 125	0	20	
Iron	0.830	B	1.00	1.809		mg/L		98	75 - 125	0	20	
Lead	<0.00350		0.0500	0.05330		mg/L		107	75 - 125	3	20	
Magnesium	1.93		5.00	6.841		mg/L		98	75 - 125	0	20	
Manganese	0.00910	J	0.500	0.5275		mg/L		104	75 - 125	0	20	
Nickel	<0.00130		0.500	0.5323		mg/L		106	75 - 125	1	20	
Potassium	3.07	B	5.00	7.912		mg/L		97	75 - 125	1	20	
Selenium	0.00860	J	0.0500	0.05710		mg/L		97	75 - 125	2	20	
Silver	<0.00130		0.0500	0.05230		mg/L		105	75 - 125	0	20	
Sodium	312	B	5.00	301.3	4	mg/L		-206	75 - 125	0	20	
Thallium	<0.00450		0.0500	0.05110		mg/L		102	75 - 125	4	20	
Vanadium	0.0175	J	0.500	0.5314		mg/L		103	75 - 125	1	20	
Zinc	0.0130	J	0.500	0.5235		mg/L		102	75 - 125	1	20	

**Lab Sample ID: MB 490-114638/1-A**

**Matrix: Solid**

**Analysis Batch: 114950**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114638**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<16.0		20.0	16.0	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Antimony	<1.40		9.98	1.40	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Arsenic	<0.948		2.00	0.948	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Barium	<0.200		2.00	0.200	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Beryllium	<0.0998		0.998	0.0998	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Cadmium	<0.0998		0.998	0.0998	mg/Kg		10/16/13 06:58	10/16/13 20:09	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-114638/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114950**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114638**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Calcium	<43.9		200	43.9	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Chromium	<0.299		0.998	0.299	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Cobalt	<0.299		2.00	0.299	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Copper	<1.70		2.00	1.70	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Iron	1.517	J	20.0	1.50	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Lead	<0.699		0.998	0.699	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Magnesium	<13.0		200	13.0	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Manganese	<0.329		2.99	0.329	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Nickel	<0.299		2.00	0.299	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Potassium	21.24	J	200	20.0	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Selenium	<1.50		2.00	1.50	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Silver	<0.299		0.998	0.299	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Sodium	79.00	J	200	20.0	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Thallium	<1.20		2.00	1.20	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Vanadium	<3.09		9.98	3.09	mg/Kg		10/16/13 06:58	10/16/13 20:09	1
Zinc	<0.998		9.98	0.998	mg/Kg		10/16/13 06:58	10/16/13 20:09	1

**Lab Sample ID: LCS 490-114638/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114950**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114638**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aluminum	771	784.2		mg/Kg		102	80 - 120
Antimony	38.5	37.28		mg/Kg		97	80 - 120
Arsenic	19.3	18.54		mg/Kg		96	80 - 120
Barium	771	841.8		mg/Kg		109	80 - 120
Beryllium	19.3	21.66		mg/Kg		112	80 - 120
Cadmium	19.3	21.68		mg/Kg		112	80 - 120
Calcium	1930	2060		mg/Kg		107	80 - 120
Chromium	77.1	83.78		mg/Kg		109	80 - 120
Cobalt	193	212.5		mg/Kg		110	80 - 120
Copper	96.3	102.0		mg/Kg		106	80 - 120
Iron	385	425.4		mg/Kg		110	80 - 120
Lead	19.3	21.48		mg/Kg		111	80 - 120
Magnesium	1930	2102		mg/Kg		109	80 - 120
Manganese	193	217.9		mg/Kg		113	80 - 120
Nickel	193	213.5		mg/Kg		111	80 - 120
Potassium	1930	1933		mg/Kg		100	80 - 120
Selenium	19.3	19.58		mg/Kg		102	80 - 120
Silver	19.3	20.71		mg/Kg		107	80 - 120
Sodium	1930	2106		mg/Kg		109	80 - 120
Thallium	19.3	20.42		mg/Kg		106	80 - 120
Vanadium	193	210.2		mg/Kg		109	80 - 120
Zinc	193	201.5		mg/Kg		105	80 - 120

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37359-A-1-D MS**

**Matrix: Solid**

**Analysis Batch: 114950**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114638**

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS Qualifier	Unit	D	%Rec	%Rec. Limits
	Result			Result					
Aluminum	8810		994	11760	4	mg/Kg	☼	297	75 - 125
Antimony	<1.68		49.7	42.89		mg/Kg	☼	86	75 - 125
Arsenic	21.2		24.9	38.00	F	mg/Kg	☼	68	75 - 125
Barium	202		994	1147		mg/Kg	☼	95	75 - 125
Beryllium	0.958	J	24.9	25.82		mg/Kg	☼	100	75 - 125
Cadmium	1.99		24.9	26.49		mg/Kg	☼	99	75 - 125
Calcium	5310		2490	10260	F	mg/Kg	☼	199	75 - 125
Chromium	28.3		99.4	122.2		mg/Kg	☼	94	75 - 125
Cobalt	8.12		249	261.4		mg/Kg	☼	102	75 - 125
Copper	37.6		124	149.9		mg/Kg	☼	90	75 - 125
Iron	52900	B	497	53530	4	mg/Kg	☼	118	75 - 125
Lead	29.7		24.9	52.02		mg/Kg	☼	90	75 - 125
Magnesium	2450		2490	4846		mg/Kg	☼	97	75 - 125
Manganese	582		249	675.5	F	mg/Kg	☼	37	75 - 125
Nickel	23.1		249	276.6		mg/Kg	☼	102	75 - 125
Potassium	974	B	2490	3072		mg/Kg	☼	84	75 - 125
Selenium	<1.80		24.9	19.19		mg/Kg	☼	77	75 - 125
Silver	<0.359		24.9	23.09		mg/Kg	☼	93	75 - 125
Sodium	117	J B	2490	2542		mg/Kg	☼	98	75 - 125
Thallium	<1.44		24.9	23.81		mg/Kg	☼	96	75 - 125
Vanadium	23.6		249	264.2		mg/Kg	☼	97	75 - 125
Zinc	107		249	352.9		mg/Kg	☼	99	75 - 125

**Lab Sample ID: 490-37359-A-1-E MSD**

**Matrix: Solid**

**Analysis Batch: 114950**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114638**

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
	Result			Result							
Aluminum	8810		962	12490	4	mg/Kg	☼	383	75 - 125	6	20
Antimony	<1.68		48.1	41.49		mg/Kg	☼	86	75 - 125	3	20
Arsenic	21.2		24.0	33.87	F	mg/Kg	☼	53	75 - 125	11	20
Barium	202		962	1090		mg/Kg	☼	92	75 - 125	5	20
Beryllium	0.958	J	24.0	24.21		mg/Kg	☼	97	75 - 125	6	20
Cadmium	1.99		24.0	24.98		mg/Kg	☼	96	75 - 125	6	20
Calcium	5310		2400	10450	F	mg/Kg	☼	214	75 - 125	2	20
Chromium	28.3		96.2	132.9		mg/Kg	☼	109	75 - 125	8	20
Cobalt	8.12		240	248.1		mg/Kg	☼	100	75 - 125	5	20
Copper	37.6		120	141.8		mg/Kg	☼	87	75 - 125	6	20
Iron	52900	B	481	47670	4	mg/Kg	☼	-1098	75 - 125	12	20
Lead	29.7		24.0	50.24		mg/Kg	☼	86	75 - 125	3	20
Magnesium	2450		2400	5567	F	mg/Kg	☼	130	75 - 125	14	20
Manganese	582		240	729.1	F	mg/Kg	☼	61	75 - 125	8	20
Nickel	23.1		240	261.1		mg/Kg	☼	99	75 - 125	6	20
Potassium	974	B	2400	3048		mg/Kg	☼	86	75 - 125	1	20
Selenium	<1.80		24.0	18.41		mg/Kg	☼	77	75 - 125	4	20
Silver	<0.359		24.0	21.83		mg/Kg	☼	91	75 - 125	6	20
Sodium	117	J B	2400	2411		mg/Kg	☼	95	75 - 125	5	20
Thallium	<1.44		24.0	23.17		mg/Kg	☼	96	75 - 125	3	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37359-A-1-E MSD**  
**Matrix: Solid**  
**Analysis Batch: 114950**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 114638**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Vanadium	23.6		240	250.2		mg/Kg	✱	94	75 - 125	5	20
Zinc	107		240	323.6		mg/Kg	✱	90	75 - 125	9	20

**Lab Sample ID: MB 490-115480/1-A**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<15.3		19.1	15.3	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Antimony	<1.34		9.54	1.34	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Arsenic	<0.906		1.91	0.906	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Barium	<0.191		1.91	0.191	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Beryllium	<0.0954		0.954	0.0954	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Cadmium	<0.0954		0.954	0.0954	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Calcium	<42.0		191	42.0	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Chromium	<0.286		0.954	0.286	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Cobalt	<0.286		1.91	0.286	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Copper	<1.62		1.91	1.62	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Iron	2.347	J	19.1	1.43	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Lead	<0.668		0.954	0.668	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Magnesium	<12.4		191	12.4	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Manganese	<0.315		2.86	0.315	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Nickel	<0.286		1.91	0.286	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Potassium	38.44	J	191	19.1	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Selenium	<1.43		1.91	1.43	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Silver	<0.286		0.954	0.286	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Sodium	100.7	J	191	19.1	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Thallium	<1.15		1.91	1.15	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Vanadium	<2.96		9.54	2.96	mg/Kg		10/18/13 15:23	10/21/13 18:04	1
Zinc	<0.954		9.54	0.954	mg/Kg		10/18/13 15:23	10/21/13 18:04	1

**Lab Sample ID: LCS 490-115480/2-A**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Aluminum	774	749.7		mg/Kg		97	80 - 120
Antimony	38.7	37.02		mg/Kg		96	80 - 120
Arsenic	19.3	17.72		mg/Kg		92	80 - 120
Barium	774	807.4		mg/Kg		104	80 - 120
Beryllium	19.3	20.60		mg/Kg		106	80 - 120
Cadmium	19.3	19.85		mg/Kg		103	80 - 120
Calcium	1930	1959		mg/Kg		101	80 - 120
Chromium	77.4	78.99		mg/Kg		102	80 - 120
Cobalt	193	200.2		mg/Kg		103	80 - 120
Copper	96.7	97.06		mg/Kg		100	80 - 120
Lead	19.3	20.06		mg/Kg		104	80 - 120
Magnesium	1930	1963		mg/Kg		101	80 - 120
Manganese	193	204.8		mg/Kg		106	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-115480/2-A**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Nickel	193	204.3		mg/Kg		106	80 - 120	
Potassium	1930	1942		mg/Kg		100	80 - 120	
Selenium	19.3	19.03		mg/Kg		98	80 - 120	
Silver	19.3	18.99		mg/Kg		98	80 - 120	
Sodium	1930	2039		mg/Kg		105	80 - 120	
Thallium	19.3	19.21		mg/Kg		99	80 - 120	
Vanadium	193	197.7		mg/Kg		102	80 - 120	
Zinc	193	192.3		mg/Kg		99	80 - 120	

**Lab Sample ID: LCSD 490-115480/3-A**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Aluminum	774	748.5		mg/Kg		97	80 - 120	0	20	
Antimony	38.7	36.54		mg/Kg		94	80 - 120	1	20	
Arsenic	19.3	17.95		mg/Kg		93	80 - 120	1	20	
Barium	774	813.2		mg/Kg		105	80 - 120	1	20	
Beryllium	19.3	20.52		mg/Kg		106	80 - 120	0	20	
Cadmium	19.3	20.19		mg/Kg		104	80 - 120	2	20	
Calcium	1930	1942		mg/Kg		100	80 - 120	1	20	
Chromium	77.4	80.79		mg/Kg		104	80 - 120	2	20	
Cobalt	193	199.8		mg/Kg		103	80 - 120	0	20	
Copper	96.7	96.54		mg/Kg		100	80 - 120	1	20	
Lead	19.3	20.27		mg/Kg		105	80 - 120	1	20	
Magnesium	1930	1957		mg/Kg		101	80 - 120	0	20	
Manganese	193	206.0		mg/Kg		106	80 - 120	1	20	
Nickel	193	202.3		mg/Kg		105	80 - 120	1	20	
Potassium	1930	1929		mg/Kg		100	80 - 120	1	20	
Selenium	19.3	19.71		mg/Kg		102	80 - 120	3	20	
Silver	19.3	19.26		mg/Kg		100	80 - 120	1	20	
Sodium	1930	2010		mg/Kg		104	80 - 120	1	20	
Thallium	19.3	18.76		mg/Kg		97	80 - 120	2	20	
Vanadium	193	197.1		mg/Kg		102	80 - 120	0	20	
Zinc	193	192.5		mg/Kg		99	80 - 120	0	20	

**Lab Sample ID: LCSD 490-115480/3-A**  
**Matrix: Solid**  
**Analysis Batch: 116091**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Iron	387	403.5		mg/Kg		104	80 - 120	1	20	

**Lab Sample ID: 490-37988-A-2-E MS**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	
Aluminum	11000		828	12600	4	mg/Kg	☼	191	75 - 125	

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37988-A-2-E MS**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Antimony	<1.44		41.4	31.01		mg/Kg	*	75	75 - 125	
Arsenic	6.54		20.7	22.43		mg/Kg	*	77	75 - 125	
Barium	425		828	1134		mg/Kg	*	86	75 - 125	
Beryllium	0.617	J	20.7	19.64		mg/Kg	*	92	75 - 125	
Cadmium	0.411	J	20.7	18.23		mg/Kg	*	86	75 - 125	
Calcium	42800		2070	41650	4	mg/Kg	*	-56	75 - 125	
Chromium	12.6		82.8	85.22		mg/Kg	*	88	75 - 125	
Cobalt	6.50		207	203.4		mg/Kg	*	95	75 - 125	
Copper	13.9		103	105.1		mg/Kg	*	88	75 - 125	
Iron	16700	B *	414	16570	4	mg/Kg	*	-31	75 - 125	
Lead	25.3		20.7	39.25	F	mg/Kg	*	68	75 - 125	
Magnesium	11300		2070	12910	4	mg/Kg	*	79	75 - 125	
Manganese	519		207	669.3	F	mg/Kg	*	73	75 - 125	
Nickel	17.4		207	217.2		mg/Kg	*	97	75 - 125	
Potassium	1610	B	2070	3437		mg/Kg	*	88	75 - 125	
Selenium	<1.54		20.7	16.45		mg/Kg	*	80	75 - 125	
Silver	<0.309		20.7	18.00		mg/Kg	*	87	75 - 125	
Sodium	241	B	2070	2115		mg/Kg	*	91	75 - 125	
Thallium	<1.23		20.7	18.85		mg/Kg	*	91	75 - 125	
Vanadium	20.0		207	200.6		mg/Kg	*	87	75 - 125	
Zinc	51.7		207	228.4		mg/Kg	*	85	75 - 125	

**Lab Sample ID: 490-37988-A-2-F MSD**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						Limit	Limit
Aluminum	11000		859	17260	4 F	mg/Kg	*	726	75 - 125	31	20	
Antimony	<1.44		43.0	34.69		mg/Kg	*	81	75 - 125	11	20	
Arsenic	6.54		21.5	26.33		mg/Kg	*	92	75 - 125	16	20	
Barium	425		859	1190		mg/Kg	*	89	75 - 125	5	20	
Beryllium	0.617	J	21.5	21.11		mg/Kg	*	95	75 - 125	7	20	
Cadmium	0.411	J	21.5	19.85		mg/Kg	*	90	75 - 125	8	20	
Calcium	42800		2150	44630	4	mg/Kg	*	85	75 - 125	7	20	
Chromium	12.6		85.9	96.41		mg/Kg	*	98	75 - 125	12	20	
Cobalt	6.50		215	219.5		mg/Kg	*	99	75 - 125	8	20	
Copper	13.9		107	110.1		mg/Kg	*	90	75 - 125	5	20	
Iron	16700	B *	430	19500	4	mg/Kg	*	651	75 - 125	16	20	
Lead	25.3		21.5	40.51	F	mg/Kg	*	71	75 - 125	3	20	
Magnesium	11300		2150	14320	4	mg/Kg	*	142	75 - 125	10	20	
Manganese	519		215	727.7		mg/Kg	*	97	75 - 125	8	20	
Nickel	17.4		215	233.3		mg/Kg	*	100	75 - 125	7	20	
Potassium	1610	B	2150	4422	F	mg/Kg	*	131	75 - 125	25	20	
Selenium	<1.54		21.5	18.92		mg/Kg	*	88	75 - 125	14	20	
Silver	<0.309		21.5	19.46		mg/Kg	*	91	75 - 125	8	20	
Sodium	241	B	2150	2247		mg/Kg	*	93	75 - 125	6	20	
Thallium	<1.23		21.5	20.17		mg/Kg	*	94	75 - 125	7	20	
Vanadium	20.0		215	224.0		mg/Kg	*	95	75 - 125	11	20	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37988-A-2-F MSD**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
Zinc	51.7		215	245.7		mg/Kg	☆	90	75 - 125	7		20

**Lab Sample ID: MB 490-114686/1-B**  
**Matrix: Water**  
**Analysis Batch: 115270**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 114693**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00670		0.0100	0.00670	mg/L		10/16/13 09:22	10/17/13 16:24	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/16/13 09:22	10/17/13 16:24	1
Barium	<0.000500		0.0100	0.000500	mg/L		10/16/13 09:22	10/17/13 16:24	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/16/13 09:22	10/17/13 16:24	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/16/13 09:22	10/17/13 16:24	1
Calcium	<0.150		1.00	0.150	mg/L		10/16/13 09:22	10/17/13 16:24	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/16/13 09:22	10/17/13 16:24	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/16/13 09:22	10/17/13 16:24	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/16/13 09:22	10/17/13 16:24	1
Iron	<0.0100		0.100	0.0100	mg/L		10/16/13 09:22	10/17/13 16:24	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/16/13 09:22	10/17/13 16:24	1
Magnesium	0.08750	J	1.00	0.0530	mg/L		10/16/13 09:22	10/17/13 16:24	1
Manganese	<0.00200		0.0150	0.00200	mg/L		10/16/13 09:22	10/17/13 16:24	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/16/13 09:22	10/17/13 16:24	1
Potassium	0.3629	J	1.00	0.0880	mg/L		10/16/13 09:22	10/17/13 16:24	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/16/13 09:22	10/17/13 16:24	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/16/13 09:22	10/17/13 16:24	1
Sodium	0.9629	J	1.00	0.360	mg/L		10/16/13 09:22	10/17/13 16:24	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/16/13 09:22	10/17/13 16:24	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/16/13 09:22	10/17/13 16:24	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/16/13 09:22	10/17/13 16:24	1

**Lab Sample ID: MB 490-114686/1-B**  
**Matrix: Water**  
**Analysis Batch: 115713**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 114693**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0680		0.100	0.0680	mg/L		10/16/13 09:22	10/18/13 14:27	1

**Lab Sample ID: LCS 490-114686/2-B**  
**Matrix: Water**  
**Analysis Batch: 115270**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 114693**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Aluminum	2.00	2.108		mg/L		105	80 - 120
Antimony	0.100	0.1061		mg/L		106	80 - 120
Arsenic	0.0500	0.04900		mg/L		98	80 - 120
Barium	2.00	2.048		mg/L		102	80 - 120
Beryllium	0.0500	0.05430		mg/L		109	80 - 120
Cadmium	0.0500	0.05490		mg/L		110	80 - 120
Calcium	5.00	5.035		mg/L		101	80 - 120
Chromium	0.200	0.2119		mg/L		106	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-114686/2-B**

**Matrix: Water**

**Analysis Batch: 115270**

**Client Sample ID: Lab Control Sample**

**Prep Type: Dissolved**

**Prep Batch: 114693**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
Cobalt	0.500	0.5251		mg/L		105	80 - 120
Copper	0.250	0.2660		mg/L		106	80 - 120
Iron	1.00	1.064		mg/L		106	80 - 120
Lead	0.0500	0.05390		mg/L		108	80 - 120
Magnesium	5.00	5.211		mg/L		104	80 - 120
Manganese	0.500	0.5476		mg/L		110	80 - 120
Nickel	0.500	0.5362		mg/L		107	80 - 120
Potassium	5.00	5.366		mg/L		107	80 - 120
Selenium	0.0500	0.05500		mg/L		110	80 - 120
Silver	0.0500	0.05450		mg/L		109	80 - 120
Sodium	5.00	5.956		mg/L		119	80 - 120
Thallium	0.0500	0.04820		mg/L		96	80 - 120
Vanadium	0.500	0.5378		mg/L		108	80 - 120
Zinc	0.500	0.5340		mg/L		107	80 - 120

**Lab Sample ID: LCSD 490-114686/3-B**

**Matrix: Water**

**Analysis Batch: 115270**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Dissolved**

**Prep Batch: 114693**

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec. Limits	RPD	Limit
	Added	Result	Qualifier						
Aluminum	2.00	2.070		mg/L		104	80 - 120	2	20
Antimony	0.100	0.1100		mg/L		110	80 - 120	4	20
Arsenic	0.0500	0.05290		mg/L		106	80 - 120	8	20
Barium	2.00	2.129		mg/L		106	80 - 120	4	20
Beryllium	0.0500	0.05420		mg/L		108	80 - 120	0	20
Cadmium	0.0500	0.05620		mg/L		112	80 - 120	2	20
Calcium	5.00	4.995		mg/L		100	80 - 120	1	20
Chromium	0.200	0.2113		mg/L		106	80 - 120	0	20
Cobalt	0.500	0.5459		mg/L		109	80 - 120	4	20
Copper	0.250	0.2569		mg/L		103	80 - 120	3	20
Iron	1.00	1.054		mg/L		105	80 - 120	1	20
Lead	0.0500	0.05530		mg/L		111	80 - 120	3	20
Magnesium	5.00	5.248		mg/L		105	80 - 120	1	20
Manganese	0.500	0.5558		mg/L		111	80 - 120	1	20
Nickel	0.500	0.5585		mg/L		112	80 - 120	4	20
Potassium	5.00	5.270		mg/L		105	80 - 120	2	20
Selenium	0.0500	0.05790		mg/L		116	80 - 120	5	20
Silver	0.0500	0.05500		mg/L		110	80 - 120	1	20
Sodium	5.00	5.798		mg/L		116	80 - 120	3	20
Thallium	0.0500	0.05010		mg/L		100	80 - 120	4	20
Vanadium	0.500	0.5345		mg/L		107	80 - 120	1	20
Zinc	0.500	0.5488		mg/L		110	80 - 120	3	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 490-115926/1-A**  
**Matrix: Water**  
**Analysis Batch: 116093**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 115926**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/22/13 07:04	10/22/13 11:59	1

**Lab Sample ID: LCS 490-115926/2-A**  
**Matrix: Water**  
**Analysis Batch: 116093**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 115926**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.001044		mg/L		104	80 - 120

**Lab Sample ID: LCSD 490-115926/3-A**  
**Matrix: Water**  
**Analysis Batch: 116093**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 115926**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.001027		mg/L		103	80 - 120	2	20

**Lab Sample ID: 490-37360-D-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 116093**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 115926**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.000150		0.00100	0.001197		mg/L		120	75 - 125

**Lab Sample ID: 490-37360-D-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 116093**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 115926**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.000150		0.00100	0.001184		mg/L		118	75 - 125	1	20

**Lab Sample ID: MB 490-115920/1-B**  
**Matrix: Water**  
**Analysis Batch: 116093**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 115921**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/22/13 06:42	10/22/13 12:24	1

**Lab Sample ID: LCS 490-115920/2-B**  
**Matrix: Water**  
**Analysis Batch: 116093**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 115921**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.0009328		mg/L		93	80 - 120

**Lab Sample ID: LCSD 490-115920/3-B**  
**Matrix: Water**  
**Analysis Batch: 116093**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 115921**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.0009805		mg/L		98	80 - 120	5	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

**Lab Sample ID: MB 490-116118/1-A**  
**Matrix: Solid**  
**Analysis Batch: 116398**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 116118**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0298		0.0992	0.0298	mg/Kg		10/22/13 13:52	10/23/13 10:32	1

**Lab Sample ID: LCS 490-116118/2-A**  
**Matrix: Solid**  
**Analysis Batch: 116398**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 116118**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.164	0.1722		mg/Kg		105	80 - 120

**Lab Sample ID: LCSD 490-116118/3-A**  
**Matrix: Solid**  
**Analysis Batch: 116398**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 116118**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.162	0.1608		mg/Kg		100	80 - 120	7	20

**Lab Sample ID: 490-38079-A-2-AO MS**  
**Matrix: Solid**  
**Analysis Batch: 116398**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 116118**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.0325		0.184	0.2458	F	mg/Kg	☼	134	80 - 120

**Lab Sample ID: 490-38079-A-2-AP MSD**  
**Matrix: Solid**  
**Analysis Batch: 116398**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 116118**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	<0.0325		0.181	0.2248	F	mg/Kg	☼	124	80 - 120	9	20

## Method: 7196A - Chromium, Hexavalent

**Lab Sample ID: MB 680-297836/2**  
**Matrix: Water**  
**Analysis Batch: 297836**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.00300		0.0100	0.00300	mg/L			10/10/13 11:24	1

**Lab Sample ID: LCS 680-297836/1**  
**Matrix: Water**  
**Analysis Batch: 297836**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.200	0.1976		mg/L		99	85 - 115

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Method: 7196A - Chromium, Hexavalent (Continued)

**Lab Sample ID: 680-95018-G-2 MS**

**Matrix: Water**

**Analysis Batch: 297836**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	<0.00300		0.200	0.2008		mg/L		100	85 - 115

**Lab Sample ID: 680-95018-G-2 MSD**

**Matrix: Water**

**Analysis Batch: 297836**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium, hexavalent	<0.00300		0.200	0.2071		mg/L		104	85 - 115	3	20

**Lab Sample ID: MB 680-298017/1-A**

**Matrix: Solid**

**Analysis Batch: 298868**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 298017**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.300		1.00	0.300	mg/Kg		10/11/13 14:33	10/16/13 09:39	1

**Lab Sample ID: LCS 680-298017/2-A**

**Matrix: Solid**

**Analysis Batch: 298868**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 298017**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	20.0	18.37		mg/Kg		92	80 - 120

**Lab Sample ID: 490-37157-H-1-C MS**

**Matrix: Solid**

**Analysis Batch: 298868**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 298017**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.904	J	93.0	37.45	F	mg/Kg	☼	39	80 - 120

**Lab Sample ID: 490-37157-H-1-B DU**

**Matrix: Solid**

**Analysis Batch: 298868**

**Client Sample ID: Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 298017**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	0.904	J	1.255		mg/Kg	☼	33	30

## Method: Moisture - Percent Moisture

**Lab Sample ID: 490-37411-1 DU**

**Matrix: Soil**

**Analysis Batch: 113438**

**Client Sample ID: Tract 33 SB2 0-2**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	89		88		%		1	20

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## GC/MS VOA

### Prep Batch: 113688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	5035	

### Prep Batch: 113696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	5035	
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	5035	
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	5035	
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	5035	

### Analysis Batch: 114468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-3	Tract 33 TW2 20-24	Total/NA	Ground Water	8260B	
490-37411-5	Tract 33 TW3	Total/NA	Ground Water	8260B	
490-37411-8	Trip Blank	Total/NA	Water	8260B	
490-37411-9	Trip Blank	Total/NA	Water	8260B	
490-37783-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-37783-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-114468/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-114468/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-114468/7	Method Blank	Total/NA	Water	8260B	

### Analysis Batch: 114674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	8260B	113696
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	8260B	113696
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	8260B	113696
LCS 490-114674/8	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-114674/9	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-114674/12	Method Blank	Total/NA	Solid	8260B	

### Analysis Batch: 114976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	8260B	113696
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	8260B	113688
LCS 490-114976/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-114976/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-114976/6	Method Blank	Total/NA	Solid	8260B	
MB 490-114976/7	Method Blank	Total/NA	Solid	8260B	

## GC/MS Semi VOA

### Prep Batch: 114082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37359-A-13-C MS	Matrix Spike	Total/NA	Solid	3550C	
490-37359-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	3550C	
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	3550C	
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	3550C	
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	3550C	
LCS 490-114082/2-A	Lab Control Sample	Total/NA	Solid	3550C	

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## GC/MS Semi VOA (Continued)

### Prep Batch: 114082 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-114082/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 114393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-3	Tract 33 TW2 20-24	Total/NA	Ground Water	3510C	
490-37411-5	Tract 33 TW3	Total/NA	Ground Water	3510C	
LCS 490-114393/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-114393/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 114575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37359-A-13-C MS	Matrix Spike	Total/NA	Solid	8270D	114082
490-37359-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	114082
LCS 490-114082/2-A	Lab Control Sample	Total/NA	Solid	8270D	114082
MB 490-114082/1-A	Method Blank	Total/NA	Solid	8270D	114082

### Analysis Batch: 114577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37359-A-13-C MS	Matrix Spike	Total/NA	Solid	8270D	114082
490-37359-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	114082
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	8270D	114082
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	8270D	114082
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	8270D	114082
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	8270D	114082
LCS 490-114082/2-A	Lab Control Sample	Total/NA	Solid	8270D	114082
MB 490-114082/1-A	Method Blank	Total/NA	Solid	8270D	114082

### Analysis Batch: 114691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	8270D	114082
LCS 490-114393/2-A	Lab Control Sample	Total/NA	Water	8270D	114393
MB 490-114393/1-A	Method Blank	Total/NA	Water	8270D	114393

### Analysis Batch: 115014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-3	Tract 33 TW2 20-24	Total/NA	Ground Water	8270D	114393
490-37411-5	Tract 33 TW3	Total/NA	Ground Water	8270D	114393

## GC Semi VOA

### Prep Batch: 113530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-3	Tract 33 TW2 20-24	Total/NA	Ground Water	3510C	
490-37411-5	Tract 33 TW3	Total/NA	Ground Water	3510C	
LCS 490-113530/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 490-113530/3-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-113530/1-A	Method Blank	Total/NA	Water	3510C	



# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## GC Semi VOA (Continued)

### Prep Batch: 113581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-3	Tract 33 TW2 20-24	Total/NA	Ground Water	3510C	
490-37411-5	Tract 33 TW3	Total/NA	Ground Water	3510C	
LCS 490-113581/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-113581/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 113657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-3	Tract 33 TW2 20-24	Total/NA	Ground Water	8082A	113581
490-37411-5	Tract 33 TW3	Total/NA	Ground Water	8082A	113581
LCS 490-113581/2-A	Lab Control Sample	Total/NA	Water	8082A	113581
MB 490-113581/1-A	Method Blank	Total/NA	Water	8082A	113581

### Analysis Batch: 113685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-3	Tract 33 TW2 20-24	Total/NA	Ground Water	8081B	113530
LCS 490-113530/2-A	Lab Control Sample	Total/NA	Water	8081B	113530
LCS 490-113530/3-A	Lab Control Sample	Total/NA	Water	8081B	113530
MB 490-113530/1-A	Method Blank	Total/NA	Water	8081B	113530

### Prep Batch: 114033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-G-2-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-37157-G-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	3550C	
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	3550C	
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	3550C	
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	3550C	
LCS 490-114033/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 490-114033/3-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-114033/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 114215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-5	Tract 33 TW3	Total/NA	Ground Water	8081B	113530

### Prep Batch: 114240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	3550C	
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	3550C	
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	3550C	
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	3550C	
490-37411-7 MS	Tract 33 SB3 14-18	Total/NA	Soil	3550C	
490-37411-7 MSD	Tract 33 SB3 14-18	Total/NA	Soil	3550C	
LCS 490-114240/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-114240/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 114485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-G-2-B MS	Matrix Spike	Total/NA	Solid	8081B	114033
490-37157-G-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	114033
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	8081B	114033

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## GC Semi VOA (Continued)

### Analysis Batch: 114485 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	8081B	114033
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	8081B	114033
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	8081B	114033
LCS 490-114033/2-A	Lab Control Sample	Total/NA	Solid	8081B	114033
LCS 490-114033/3-A	Lab Control Sample	Total/NA	Solid	8081B	114033
MB 490-114033/1-A	Method Blank	Total/NA	Solid	8081B	114033

### Analysis Batch: 114696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	8081B	114033
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	8081B	114033

### Analysis Batch: 114829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	8082A	114240
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	8082A	114240
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	8082A	114240
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	8082A	114240
490-37411-7 MS	Tract 33 SB3 14-18	Total/NA	Soil	8082A	114240
490-37411-7 MSD	Tract 33 SB3 14-18	Total/NA	Soil	8082A	114240
LCS 490-114240/2-A	Lab Control Sample	Total/NA	Solid	8082A	114240
MB 490-114240/1-A	Method Blank	Total/NA	Solid	8082A	114240

### Analysis Batch: 115150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	8081B	114033
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	8081B	114033

### Analysis Batch: 115401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	8081B	114033
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	8081B	114033
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	8081B	114033
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	8081B	114033

### Analysis Batch: 116122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	8081B	114033
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	8081B	114033

## Metals

### Prep Batch: 114220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-58931-BP-1-B MS	Matrix Spike	Total/NA	Water	3010A	
440-58931-BP-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
490-37411-3	Tract 33 TW2 20-24	Total/NA	Ground Water	3010A	
490-37411-5	Tract 33 TW3	Total/NA	Ground Water	3010A	
LCS 490-114220/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 490-114220/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Metals (Continued)

### Prep Batch: 114220 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-114220/1-A	Method Blank	Total/NA	Water	3010A	

### Prep Batch: 114638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37359-A-1-D MS	Matrix Spike	Total/NA	Solid	3051A	
490-37359-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3051A	
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	3051A	
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	3051A	
LCS 490-114638/2-A	Lab Control Sample	Total/NA	Solid	3051A	
MB 490-114638/1-A	Method Blank	Total/NA	Solid	3051A	

### Analysis Batch: 114658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-58931-BP-1-B MS	Matrix Spike	Total/NA	Water	6010C	114220
440-58931-BP-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010C	114220
490-37411-3	Tract 33 TW2 20-24	Total/NA	Ground Water	6010C	114220
LCS 490-114220/2-A	Lab Control Sample	Total/NA	Water	6010C	114220
LCSD 490-114220/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	114220
MB 490-114220/1-A	Method Blank	Total/NA	Water	6010C	114220

### Filtration Batch: 114686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-3	Tract 33 TW2 20-24	Dissolved	Ground Water	Filtration	
490-37411-5	Tract 33 TW3	Dissolved	Ground Water	Filtration	
LCS 490-114686/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-114686/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-114686/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 114693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-3	Tract 33 TW2 20-24	Dissolved	Ground Water	3005A	114686
490-37411-5	Tract 33 TW3	Dissolved	Ground Water	3005A	114686
LCS 490-114686/2-B	Lab Control Sample	Dissolved	Water	3005A	114686
LCSD 490-114686/3-B	Lab Control Sample Dup	Dissolved	Water	3005A	114686
MB 490-114686/1-B	Method Blank	Dissolved	Water	3005A	114686

### Analysis Batch: 114950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37359-A-1-D MS	Matrix Spike	Total/NA	Solid	6010C	114638
490-37359-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	114638
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	6010C	114638
490-37411-3	Tract 33 TW2 20-24	Total/NA	Ground Water	6010C	114220
490-37411-5	Tract 33 TW3	Total/NA	Ground Water	6010C	114220
LCS 490-114638/2-A	Lab Control Sample	Total/NA	Solid	6010C	114638
MB 490-114638/1-A	Method Blank	Total/NA	Solid	6010C	114638

### Analysis Batch: 115181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	6010C	114638

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 115270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-3	Tract 33 TW2 20-24	Dissolved	Ground Water	6010C	114693
LCS 490-114686/2-B	Lab Control Sample	Dissolved	Water	6010C	114693
LCSD 490-114686/3-B	Lab Control Sample Dup	Dissolved	Water	6010C	114693
MB 490-114686/1-B	Method Blank	Dissolved	Water	6010C	114693

### Prep Batch: 115480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	3051A	
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	3051A	
490-37988-A-2-E MS	Matrix Spike	Total/NA	Solid	3051A	
490-37988-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3051A	
LCS 490-115480/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 490-115480/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	
MB 490-115480/1-A	Method Blank	Total/NA	Solid	3051A	

### Analysis Batch: 115713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-5	Tract 33 TW3	Dissolved	Ground Water	6010C	114693
MB 490-114686/1-B	Method Blank	Dissolved	Water	6010C	114693

### Filtration Batch: 115920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-3	Tract 33 TW2 20-24	Dissolved	Ground Water	Filtration	
490-37411-5	Tract 33 TW3	Dissolved	Ground Water	Filtration	
LCS 490-115920/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-115920/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-115920/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 115921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-3	Tract 33 TW2 20-24	Dissolved	Ground Water	7470A	115920
490-37411-5	Tract 33 TW3	Dissolved	Ground Water	7470A	115920
LCS 490-115920/2-B	Lab Control Sample	Dissolved	Water	7470A	115920
LCSD 490-115920/3-B	Lab Control Sample Dup	Dissolved	Water	7470A	115920
MB 490-115920/1-B	Method Blank	Dissolved	Water	7470A	115920

### Prep Batch: 115926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37360-D-1-C MS	Matrix Spike	Total/NA	Water	7470A	
490-37360-D-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
490-37411-3	Tract 33 TW2 20-24	Total/NA	Ground Water	7470A	
490-37411-5	Tract 33 TW3	Total/NA	Ground Water	7470A	
LCS 490-115926/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 490-115926/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 490-115926/1-A	Method Blank	Total/NA	Water	7470A	

### Analysis Batch: 115954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	6010C	115480
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	6010C	115480
490-37988-A-2-E MS	Matrix Spike	Total/NA	Solid	6010C	115480

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 115954 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37988-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	115480
LCS 490-115480/2-A	Lab Control Sample	Total/NA	Solid	6010C	115480
LCSD 490-115480/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	115480
MB 490-115480/1-A	Method Blank	Total/NA	Solid	6010C	115480

### Analysis Batch: 116091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 490-115480/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	115480

### Analysis Batch: 116093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37360-D-1-C MS	Matrix Spike	Total/NA	Water	7470A	115926
490-37360-D-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	115926
490-37411-3	Tract 33 TW2 20-24	Dissolved	Ground Water	7470A	115921
490-37411-3	Tract 33 TW2 20-24	Total/NA	Ground Water	7470A	115926
490-37411-5	Tract 33 TW3	Dissolved	Ground Water	7470A	115921
490-37411-5	Tract 33 TW3	Total/NA	Ground Water	7470A	115926
LCS 490-115920/2-B	Lab Control Sample	Dissolved	Water	7470A	115921
LCS 490-115926/2-A	Lab Control Sample	Total/NA	Water	7470A	115926
LCSD 490-115920/3-B	Lab Control Sample Dup	Dissolved	Water	7470A	115921
LCSD 490-115926/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	115926
MB 490-115920/1-B	Method Blank	Dissolved	Water	7470A	115921
MB 490-115926/1-A	Method Blank	Total/NA	Water	7470A	115926

### Prep Batch: 116118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	7471B	
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	7471B	
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	7471B	
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	7471B	
490-38079-A-2-AO MS	Matrix Spike	Total/NA	Solid	7471B	
490-38079-A-2-AP MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
LCS 490-116118/2-A	Lab Control Sample	Total/NA	Solid	7471B	
LCSD 490-116118/3-A	Lab Control Sample Dup	Total/NA	Solid	7471B	
MB 490-116118/1-A	Method Blank	Total/NA	Solid	7471B	

### Analysis Batch: 116398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	7471B	116118
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	7471B	116118
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	7471B	116118
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	7471B	116118
490-38079-A-2-AO MS	Matrix Spike	Total/NA	Solid	7471B	116118
490-38079-A-2-AP MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	116118
LCS 490-116118/2-A	Lab Control Sample	Total/NA	Solid	7471B	116118
LCSD 490-116118/3-A	Lab Control Sample Dup	Total/NA	Solid	7471B	116118
MB 490-116118/1-A	Method Blank	Total/NA	Solid	7471B	116118

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## General Chemistry

### Analysis Batch: 113438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	Moisture	
490-37411-1 DU	Tract 33 SB2 0-2	Total/NA	Soil	Moisture	
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	Moisture	
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	Moisture	
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	Moisture	

### Analysis Batch: 297836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37411-4	Tract 33 TW2 20-24	Total/NA	Ground Water	7196A	
490-37411-5	Tract 33 TW3	Total/NA	Ground Water	7196A	
680-95018-G-2 MS	Matrix Spike	Total/NA	Water	7196A	
680-95018-G-2 MSD	Matrix Spike Duplicate	Total/NA	Water	7196A	
LCS 680-297836/1	Lab Control Sample	Total/NA	Water	7196A	
MB 680-297836/2	Method Blank	Total/NA	Water	7196A	

### Prep Batch: 298017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-H-1-B DU	Duplicate	Total/NA	Solid	3060A	
490-37157-H-1-C MS	Matrix Spike	Total/NA	Solid	3060A	
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	3060A	
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	3060A	
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	3060A	
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	3060A	
LCS 680-298017/2-A	Lab Control Sample	Total/NA	Solid	3060A	
MB 680-298017/1-A	Method Blank	Total/NA	Solid	3060A	

### Analysis Batch: 298868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-H-1-B DU	Duplicate	Total/NA	Solid	7196A	298017
490-37157-H-1-C MS	Matrix Spike	Total/NA	Solid	7196A	298017
490-37411-1	Tract 33 SB2 0-2	Total/NA	Soil	7196A	298017
490-37411-2	Tract 33 SB2 10-14	Total/NA	Soil	7196A	298017
490-37411-6	Tract 33 SB3 0-2	Total/NA	Soil	7196A	298017
490-37411-7	Tract 33 SB3 14-18	Total/NA	Soil	7196A	298017
LCS 680-298017/2-A	Lab Control Sample	Total/NA	Solid	7196A	298017
MB 680-298017/1-A	Method Blank	Total/NA	Solid	7196A	298017

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 0-2**

**Lab Sample ID: 490-37411-1**

**Date Collected: 10/09/13 09:30**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 88.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113696	10/11/13 12:25	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114674	10/16/13 15:50	KKK	TAL NSH
Total/NA	Prep	3550C			114082	10/14/13 09:19	LP	TAL NSH
Total/NA	Analysis	8270D		1	114577	10/16/13 00:03	BES	TAL NSH
Total/NA	Analysis	8081B		1	114485	10/15/13 17:14	WAM	TAL NSH
Total/NA	Analysis	8081B		10	114696	10/16/13 13:39	WAM	TAL NSH
Total/NA	Prep	3550C			114240	10/14/13 15:34	LP	TAL NSH
Total/NA	Analysis	8082A		1	114829	10/16/13 22:08	WAM	TAL NSH
Total/NA	Analysis	8081B		10	115150	10/18/13 00:44	WAM	TAL NSH
Total/NA	Analysis	8081B		20	115150	10/18/13 00:56	WAM	TAL NSH
Total/NA	Prep	3550C			114033	10/14/13 06:57	LP	TAL NSH
Total/NA	Analysis	8081B		20	115401	10/18/13 21:42	WAM	TAL NSH
Total/NA	Analysis	8081B		20	116122	10/22/13 18:19	WAM	TAL NSH
Total/NA	Prep	3051A			114638	10/16/13 06:58	NLI	TAL NSH
Total/NA	Analysis	6010C		10	115181	10/17/13 12:53	DEB	TAL NSH
Total/NA	Prep	7471B			116118	10/22/13 13:52	LTB	TAL NSH
Total/NA	Analysis	7471B		1	116398	10/23/13 10:43	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	113438	10/10/13 13:50	RRS	TAL NSH
Total/NA	Prep	3060A			298017	10/11/13 14:33	JKL	TAL SAV
Total/NA	Analysis	7196A		1	298868	10/16/13 09:39	CRW	TAL SAV

**Client Sample ID: Tract 33 SB2 10-14**

**Lab Sample ID: 490-37411-2**

**Date Collected: 10/09/13 09:45**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 80.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113696	10/11/13 12:25	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114674	10/16/13 16:21	KKK	TAL NSH
Total/NA	Prep	3550C			114082	10/14/13 09:19	LP	TAL NSH
Total/NA	Analysis	8270D		1	114577	10/16/13 00:25	BES	TAL NSH
Total/NA	Analysis	8081B		1	114485	10/15/13 16:13	WAM	TAL NSH
Total/NA	Prep	3550C			114240	10/14/13 15:34	LP	TAL NSH
Total/NA	Analysis	8082A		1	114829	10/16/13 22:30	WAM	TAL NSH
Total/NA	Prep	3550C			114033	10/14/13 06:57	LP	TAL NSH
Total/NA	Analysis	8081B		1	115401	10/18/13 19:28	WAM	TAL NSH
Total/NA	Prep	3051A			114638	10/16/13 06:58	NLI	TAL NSH
Total/NA	Analysis	6010C		1	114950	10/16/13 22:23	KDJ	TAL NSH
Total/NA	Prep	7471B			116118	10/22/13 13:52	LTB	TAL NSH
Total/NA	Analysis	7471B		1	116398	10/23/13 10:45	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	113438	10/10/13 13:50	RRS	TAL NSH
Total/NA	Prep	3060A			298017	10/11/13 14:33	JKL	TAL SAV
Total/NA	Analysis	7196A		1	298868	10/16/13 09:39	CRW	TAL SAV

TestAmerica Nashville

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW2 20-24**

**Lab Sample ID: 490-37411-3**

**Date Collected: 10/09/13 10:50**

**Matrix: Ground Water**

**Date Received: 10/10/13 08:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114468	10/15/13 20:22	EML	TAL NSH
Total/NA	Prep	3510C			114393	10/15/13 10:09	RCH	TAL NSH
Total/NA	Analysis	8270D		1	115014	10/17/13 12:39	BES	TAL NSH
Total/NA	Prep	3510C			113581	10/11/13 08:15	CLH	TAL NSH
Total/NA	Analysis	8082A		1	113657	10/12/13 13:51	WAM	TAL NSH
Total/NA	Prep	3510C			113530	10/10/13 16:43	CLH	TAL NSH
Total/NA	Analysis	8081B		1	113685	10/11/13 14:09	WAM	TAL NSH
Total/NA	Prep	3010A			114220	10/14/13 14:59	JBD	TAL NSH
Total/NA	Analysis	6010C		1	114658	10/16/13 06:56	DEB	TAL NSH
Total/NA	Prep	3010A			114220	10/14/13 14:59	JBD	TAL NSH
Total/NA	Analysis	6010C		1	114950	10/16/13 19:44	KDJ	TAL NSH
Dissolved	Filtration	Filtration			114686	10/16/13 09:19	JBD	TAL NSH
Dissolved	Prep	3005A			114693	10/16/13 09:22	JBD	TAL NSH
Dissolved	Analysis	6010C		1	115270	10/17/13 17:16	DEB	TAL NSH
Total/NA	Prep	7470A			115926	10/22/13 07:04	LTB	TAL NSH
Total/NA	Analysis	7470A		1	116093	10/22/13 12:11	LTB	TAL NSH
Dissolved	Filtration	Filtration			115920	10/22/13 06:40	LTB	TAL NSH
Dissolved	Prep	7470A			115921	10/22/13 06:42	LTB	TAL NSH
Dissolved	Analysis	7470A		1	116093	10/22/13 12:35	LTB	TAL NSH

**Client Sample ID: Tract 33 TW2 20-24**

**Lab Sample ID: 490-37411-4**

**Date Collected: 10/09/13 16:15**

**Matrix: Ground Water**

**Date Received: 10/10/13 08:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7196A		1	297836	10/10/13 13:59	CRW	TAL SAV

**Client Sample ID: Tract 33 TW3**

**Lab Sample ID: 490-37411-5**

**Date Collected: 10/09/13 16:00**

**Matrix: Ground Water**

**Date Received: 10/10/13 08:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114468	10/15/13 19:55	EML	TAL NSH
Total/NA	Prep	3510C			114393	10/15/13 10:09	RCH	TAL NSH
Total/NA	Analysis	8270D		1	115014	10/17/13 13:01	BES	TAL NSH
Total/NA	Prep	3510C			113581	10/11/13 08:15	CLH	TAL NSH
Total/NA	Analysis	8082A		1	113657	10/12/13 14:13	WAM	TAL NSH
Total/NA	Analysis	8081B		100	114215	10/14/13 15:53	WAM	TAL NSH
Total/NA	Prep	3510C			113530	10/10/13 16:58	CLH	TAL NSH
Total/NA	Prep	3010A			114220	10/14/13 14:59	JBD	TAL NSH
Total/NA	Analysis	6010C		10	114950	10/16/13 20:02	KDJ	TAL NSH
Dissolved	Filtration	Filtration			114686	10/16/13 09:19	JBD	TAL NSH
Dissolved	Prep	3005A			114693	10/16/13 09:22	JBD	TAL NSH

TestAmerica Nashville



# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW3**

**Lab Sample ID: 490-37411-5**

Date Collected: 10/09/13 16:00

Matrix: Ground Water

Date Received: 10/10/13 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010C		10	115713	10/18/13 14:32	KDJ	TAL NSH
Total/NA	Prep	7470A			115926	10/22/13 07:04	LTB	TAL NSH
Total/NA	Analysis	7470A		1	116093	10/22/13 12:14	LTB	TAL NSH
Dissolved	Filtration	Filtration			115920	10/22/13 06:40	LTB	TAL NSH
Dissolved	Prep	7470A			115921	10/22/13 06:42	LTB	TAL NSH
Dissolved	Analysis	7470A		1	116093	10/22/13 12:37	LTB	TAL NSH
Total/NA	Analysis	7196A		1	297836	10/10/13 13:59	CRW	TAL SAV

**Client Sample ID: Tract 33 SB3 0-2**

**Lab Sample ID: 490-37411-6**

Date Collected: 10/09/13 13:30

Matrix: Soil

Date Received: 10/10/13 08:15

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113696	10/11/13 12:25	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114674	10/16/13 16:52	KKK	TAL NSH
Total/NA	Prep	3550C			114082	10/14/13 09:19	LP	TAL NSH
Total/NA	Analysis	8270D		1	114577	10/16/13 00:48	BES	TAL NSH
Total/NA	Analysis	8270D		10	114691	10/16/13 10:43	BES	TAL NSH
Total/NA	Analysis	8081B		1	114485	10/15/13 17:26	WAM	TAL NSH
Total/NA	Analysis	8081B		10	114696	10/16/13 13:51	WAM	TAL NSH
Total/NA	Prep	3550C			114240	10/14/13 15:34	LP	TAL NSH
Total/NA	Analysis	8082A		1	114829	10/16/13 22:51	WAM	TAL NSH
Total/NA	Analysis	8081B		20	115401	10/18/13 21:54	WAM	TAL NSH
Total/NA	Prep	3550C			114033	10/14/13 06:57	LP	TAL NSH
Total/NA	Analysis	8081B		20	116122	10/22/13 18:31	WAM	TAL NSH
Total/NA	Prep	3051A			115480	10/18/13 15:23	DBK	TAL NSH
Total/NA	Analysis	6010C		1	115954	10/21/13 18:25	KDJ	TAL NSH
Total/NA	Prep	7471B			116118	10/22/13 13:52	LTB	TAL NSH
Total/NA	Analysis	7471B		1	116398	10/23/13 10:47	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	113438	10/10/13 13:50	RRS	TAL NSH
Total/NA	Prep	3060A			298017	10/11/13 14:33	JKL	TAL SAV
Total/NA	Analysis	7196A		1	298868	10/16/13 09:39	CRW	TAL SAV

**Client Sample ID: Tract 33 SB3 14-18**

**Lab Sample ID: 490-37411-7**

Date Collected: 10/09/13 14:00

Matrix: Soil

Date Received: 10/10/13 08:15

Percent Solids: 35.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113696	10/11/13 12:25	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114976	10/17/13 14:29	KKK	TAL NSH
Total/NA	Prep	5035			113688	10/11/13 12:08	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114976	10/17/13 14:59	KKK	TAL NSH

TestAmerica Nashville

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB3 14-18**

**Lab Sample ID: 490-37411-7**

**Date Collected: 10/09/13 14:00**

**Matrix: Soil**

**Date Received: 10/10/13 08:15**

**Percent Solids: 35.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			114082	10/14/13 09:19	LP	TAL NSH
Total/NA	Analysis	8270D		1	114577	10/16/13 01:10	BES	TAL NSH
Total/NA	Analysis	8081B		1	114485	10/15/13 16:25	WAM	TAL NSH
Total/NA	Prep	3550C			114033	10/14/13 06:57	LP	TAL NSH
Total/NA	Prep	3550C			114240	10/14/13 15:34	LP	TAL NSH
Total/NA	Analysis	8082A		1	114829	10/16/13 21:04	WAM	TAL NSH
Total/NA	Analysis	8081B		1	115401	10/18/13 19:40	WAM	TAL NSH
Total/NA	Prep	3051A			115480	10/18/13 15:23	DBK	TAL NSH
Total/NA	Analysis	6010C		1	115954	10/21/13 18:30	KDJ	TAL NSH
Total/NA	Prep	7471B			116118	10/22/13 13:52	LTB	TAL NSH
Total/NA	Analysis	7471B		1	116398	10/23/13 10:49	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	113438	10/10/13 13:50	RRS	TAL NSH
Total/NA	Prep	3060A			298017	10/11/13 14:33	JKL	TAL SAV
Total/NA	Analysis	7196A		1	298868	10/16/13 09:39	CRW	TAL SAV

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37411-8**

**Date Collected: 10/09/13 00:01**

**Matrix: Water**

**Date Received: 10/10/13 08:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114468	10/15/13 18:35	EML	TAL NSH

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37411-9**

**Date Collected: 10/09/13 00:01**

**Matrix: Water**

**Date Received: 10/10/13 08:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114468	10/15/13 19:02	EML	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
8081B	Organochlorine Pesticides (GC)	SW846	TAL NSH
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NSH
6010C	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL NSH
7196A	Chromium, Hexavalent	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL NSH

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8081B	3510C	Ground Water	Chlordane (technical)
8081B	3510C	Water	Chlordane (technical)
8081B	3550C	Soil	Chlordane (technical)
8081B	3550C	Solid	Chlordane (technical)
8260B		Ground Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Ground Water	Cyclohexane
8260B		Ground Water	Methyl acetate
8260B		Ground Water	Methylcyclohexane
8260B		Solid	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Solid	Cyclohexane
8260B		Solid	Methyl acetate
8260B		Solid	Methylcyclohexane
8260B		Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Water	Cyclohexane
8260B		Water	Methyl acetate
8260B		Water	Methylcyclohexane
8260B	5035	Soil	1,1,2-Trichloro-1,2,2-trichloroethane
8260B	5035	Soil	Cyclohexane
8260B	5035	Soil	Methyl acetate
8260B	5035	Soil	Methylcyclohexane
8270D	3510C	Ground Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Ground Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Ground Water	3,3'-Dichlorobenzidine
8270D	3510C	Ground Water	Acetophenone
8270D	3510C	Ground Water	Atrazine
8270D	3510C	Ground Water	Benzaldehyde
8270D	3510C	Ground Water	Biphenyl
8270D	3510C	Ground Water	Caprolactam
8270D	3510C	Ground Water	Carbazole
8270D	3510C	Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Water	3,3'-Dichlorobenzidine
8270D	3510C	Water	Acetophenone
8270D	3510C	Water	Atrazine
8270D	3510C	Water	Benzaldehyde
8270D	3510C	Water	Biphenyl
8270D	3510C	Water	Caprolactam
8270D	3510C	Water	Carbazole
8270D	3550C	Soil	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Soil	2,3,4,6-Tetrachlorophenol
8270D	3550C	Soil	3 & 4 Methylphenol
8270D	3550C	Soil	3,3'-Dichlorobenzidine
8270D	3550C	Soil	4-Nitrophenol
8270D	3550C	Soil	Acetophenone
8270D	3550C	Soil	Atrazine
8270D	3550C	Soil	Benzaldehyde

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Soil	Biphenyl
8270D	3550C	Soil	Caprolactam
8270D	3550C	Soil	Carbazole
8270D	3550C	Solid	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Solid	2,3,4,6-Tetrachlorophenol
8270D	3550C	Solid	3 & 4 Methylphenol
8270D	3550C	Solid	3,3'-Dichlorobenzidine
8270D	3550C	Solid	4-Nitrophenol
8270D	3550C	Solid	Acetophenone
8270D	3550C	Solid	Atrazine
8270D	3550C	Solid	Benzaldehyde
8270D	3550C	Solid	Biphenyl
8270D	3550C	Solid	Caprolactam
8270D	3550C	Solid	Carbazole

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Soil	Percent Solids

## Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-15
A2LA	ISO/IEC 17025		399.01	02-28-15
Alabama	State Program	4	41450	06-30-14
Arkansas DEQ	State Program	6	88-0692	02-01-14
California	NELAP	9	3217CA	07-31-14
Colorado	State Program	8	N/A	12-31-13
Connecticut	State Program	1	PH-0161	03-31-15
Florida	NELAP	4	E87052	06-30-14
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-14
Georgia	State Program	4	803	06-30-14
Guam	State Program	9	09-005r	06-17-14
Hawaii	State Program	9	N/A	06-30-14
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-14
Iowa	State Program	7	353	07-01-15
Kentucky	State Program	4	90084	12-31-13
Kentucky (UST)	State Program	4	18	06-30-14
Louisiana	NELAP	6	30690	06-30-14
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-14
Michigan	State Program	5	9925	06-30-14

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37411-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Mississippi	State Program	4	N/A	06-30-14
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-14
New Jersey	NELAP	2	GA769	06-30-14
New Mexico	State Program	6	N/A	06-30-14
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-14
Oklahoma	State Program	6	9984	08-31-14
Pennsylvania	NELAP	3	68-00474	06-30-14
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-14
Tennessee	State Program	4	TN02961	06-30-14
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-14
Washington	State Program	10	C1794	06-10-14
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-14
Wisconsin	State Program	5	999819810	08-31-14
Wyoming	State Program	8	8TMS-L	06-30-14



## COOLER RECEIPT FORM



Cooler Received/Opened On 10/10/2013 @ 8:15

1. Tracking # 2236 (last 4 digits, FedEx)  
Courier: FedEx IR Gun ID 17960357
2. Temperature of rep. sample or temp blank when opened: 2.1 Degrees Celsius
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO  NA
4. Were custody seals on outside of cooler?  YES...NO...NA  
If yes, how many and where: 2 Front
5. Were the seals intact, signed, and dated correctly?  YES...NO...NA
6. Were custody papers inside cooler?  YES...NO...NA  
I certify that I opened the cooler and answered questions 1-6 (initial) ASH
7. Were custody seals on containers: YES  NO and Intact YES...NO... NA  
Were these signed and dated correctly? YES...NO... NA
8. Packing mat'l used?  Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None
9. Cooling process:  Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)? YES  NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA
12. Did all container labels and tags agree with custody papers?  YES...NO...NA
- 13a. Were VOA vials received?  YES...NO...NA  
b. Was there any observable headspace present in any VOA vial? YES  NO...NA
14. Was there a Trip Blank in this cooler?  YES...NO...NA If multiple coolers, sequence # 2  
I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM
- 15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO.. NA  
b. Did the bottle labels indicate that the correct preservatives were used  YES...NO...NA
16. Was residual chlorine present? YES.. NO...NA  
I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM
17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA
18. Did you sign the custody papers in the appropriate place?  YES...NO...NA
19. Were correct containers used for the analysis requested?  YES...NO...NA
20. Was sufficient amount of sample sent in each container?  YES...NO...NA  
I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM
- I certify that I attached a label with the unique LIMS number to each container (initial) MDM
21. Were there Non-Conformance issues at login? YES  NO Was a NCM generated? YES  NO #

Loc: 490  
**37411**  
**#1**  
**A**

### COOLER RECEIPT FORM

Cooler Received/Opened On 10/10/2013 @ 8:15

1. Tracking # 1891 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 17960357

2. Temperature of rep. sample or temp blank when opened: 1.6 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO  NA

4. Were custody seals on outside of cooler?  YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly?  YES...NO...NA

6. Were custody papers inside cooler?  YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) AJH

7. Were custody seals on containers: YES  NO and Intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used?  Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process:  Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)?  YES  NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES... NO...NA

14. Was there a Trip Blank in this cooler?  YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) mm

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used  YES...NO...NA

16. Was residual chlorine present? YES... NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) mm

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) mm

I certify that I attached a label with the unique LIMS number to each container (initial) mm

21. Were there Non-Conformance issues at login? YES... NO Was a NCM generated? YES... NO..#

#10) TFACT 33 TW-3 20. 21- one amber ltr. B-T-S. mm



### COOLER RECEIPT FOR

**37411**

**#1**

**B**

Cooler Received/Opened On: 10/10/2013 @0815

1. Tracking # 1961 (last 4 digits, FedEx)

Courier: Fed-Ex IR Gun ID: 14740456

2. Temperature of rep. sample or temp blank when opened: 3.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO  NA

4. Were custody seals on outside of cooler?  YES  NO  NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly?  YES  NO  NA

6. Were custody papers inside cooler?  YES  NO  NA

I certify that I opened the cooler and answered questions 1-6 (initial) HP

7. Were custody seals on containers: YES  NO  and Intact YES  NO  NA

Were these signed and dated correctly? YES  NO  NA

8. Packing mat'l used?  Bubblewrap  Plastic bag  Peanuts  Vermiculite  Foam Insert  Paper  Other  None

9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry ice  Other  None

10. Did all containers arrive in good condition (unbroken)? YES  NO  NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES  NO  NA

12. Did all container labels and tags agree with custody papers?  YES  NO  NA

13a. Were VOA vials received?  YES  NO  NA

b. Was there any observable headspace present in any VOA vial? YES  NO  NA

14. Was there a Trip Blank in this cooler? YES  NO  NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES  NO  NA

b. Did the bottle labels indicate that the correct preservatives were used  YES  NO  NA

16. Was residual chlorine present? YES  NO  NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)?  YES  NO  NA

18. Did you sign the custody papers in the appropriate place?  YES  NO  NA

19. Were correct containers used for the analysis requested?  YES  NO  NA

20. Was sufficient amount of sample sent in each container?  YES  NO  NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

21. Were there Non-Conformance issues at login? YES  NO  Was a NCM generated? YES  NO  # \_\_\_\_\_





## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-37411-1

SDG Number: 1131-08-554

**Login Number: 37411**

**List Number: 1**

**Creator: McBride, Mike**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6/3.2/2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-37411-1

SDG Number: 1131-08-554

**Login Number: 37411**

**List Number: 1**

**Creator: Conner, Keaton**

**List Source: TestAmerica Savannah**

**List Creation: 10/10/13 02:19 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-37411-1

SDG Number: 1131-08-554

**Login Number: 37411**

**List Number: 2**

**Creator: Seabrooks, Deanna A**

**List Source: TestAmerica Savannah**

**List Creation: 10/10/13 05:22 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204  
Tel: (615)726-0177

TestAmerica Job ID: 490-37270-1  
TestAmerica Sample Delivery Group: 1131-08-554  
Client Project/Site: Port Access Road

For:  
S&ME, Inc.  
620 Wando Park Boulevard  
Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline

Roxanne L Connor

Authorized for release by:  
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*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-37270-1	Tract 29 SB2-0-2'	Soil	10/08/13 09:00	10/09/13 08:15
490-37270-2	Tract 29 SB2-4-8'	Soil	10/08/13 10:00	10/09/13 08:15
490-37270-3	Tract 29 TW2 24-28'	Ground Water	10/08/13 12:00	10/09/13 08:15
490-37270-4	Tract 29 TW2 24-28'	Ground Water	10/08/13 16:10	10/09/13 08:15
490-37270-5	Tract 33 TW1 20-24'	Ground Water	10/08/13 16:30	10/09/13 08:15
490-37270-6	Tract 33 SB1 0-2'	Soil	10/08/13 15:00	10/09/13 08:15
490-37270-7	Tract 33 SB1 4-8'	Soil	10/08/13 15:15	10/09/13 08:15
490-37270-8	Trip Blank	Water	10/08/13 00:01	10/09/13 08:15
490-37270-9	Trip Blank	Water	10/08/13 00:01	10/09/13 08:15

# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Job ID: 490-37270-1

### Laboratory: TestAmerica Nashville

#### Narrative

#### Job Narrative 490-37270-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 10/9/2013 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.7° C and 3.8° C.

#### GC/MS VOA

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): (490-37587-2 MS), (490-37587-2 MSD). The sample(s) shows evidence of matrix interference.

Method(s) 8260B: The method blank for batch 114355 contained methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 11435 and 114676. See LCS/LCSD

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 114676 recovered outside control limits for the following analytes: methyl acetate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

#### GC/MS Semi VOA

Method(s) 8270D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 14082 recovered outside control limits for the following analyte: Atrazine. The analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries for atrazine for batch 114082 were outside control limits. (490-37359-13 MS), (490-37359-13 MSD)

Method(s) 8270D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114181.

Method(s) 8270D: The method blank for batch 114181 contained bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction of samples was not performed.

No other analytical or quality issues were noted.

#### GC Semi VOA

Method(s) 8081B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 113244.

Method(s) 8081B: Surrogate recovery was outside control limits for the following sample: Tract 33 TW1 20-24' (490-37270-5). Subsequent re-analysis confirmed sample as non-detect

Method(s) 8081B: Matrix spikes for batch 114033 could not be recovered due to sample matrix interferences which required sample dilution. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8081B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114409.

# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Job ID: 490-37270-1 (Continued)

### Laboratory: TestAmerica Nashville (Continued)

Method(s) 8082A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 113265.

No other analytical or quality issues were noted.

#### Metals

Method(s) 6010C: The method blank for batch 113437 contained K and Na above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 113437 were outside control limits for Sb and Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010C: The serial dilution performed for the following sample(s) associated with batch 113437 was outside control limits for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na : (490-37270-3 SD)

Method(s) 6010C: The method blank for batch 490-114999 contained Fe and Mn above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010C: The post digestion spike % recovery for Se and Mg associated with batch 490-114999 was outside of control limits.

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 490-114999 were outside control limits for Se and Sb. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 490-114999 were outside control limits for Cu and K. This is attributed to: non-homogeneity of the sample matrix.

Method(s) 6010C: The method blank for batch 490-114693 contained K, Mg and Na above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

#### General Chemistry

Method(s) 7196A, SM 3500 CR D: To verify the absence of an interference, EPA Method 7196A requires the sample to be diluted until the matrix spike (MS) recovery is within 85-115%. For this reason, the following sample(s) was diluted: (490-37270-4 MS), (490-37270-5 MS), (490-37270-5 MSD), Tract 29 TW2 24-28' (490-37270-4), Tract 33 TW1 20-24' (490-37270-5). Elevated reporting limits (RLs) are provided.

Method(s) 7196A: The sample duplicate precision for the following sample associated with batch 298868 was outside control limits: (490-37157-1 DU). Non-homogeneity of the sample matrix is suspected. The associated laboratory control sample (LCS) precision met acceptance criteria.

Method(s) 7196A: The matrix spike (MS) recovery for batch 298868 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

#### Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 113179.

Method(s) 3510C: The following sample(s) formed emulsions during the extraction procedure: Tract 33 TW1 20-24' (490-37270-5). The emulsions were broken up using centrifugation.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 113244.

## Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

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### Job ID: 490-37270-1 (Continued)

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#### Laboratory: TestAmerica Nashville (Continued)

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 113265.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 113854.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114181.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114409.

No other analytical or quality issues were noted.

#### VOA Prep

No analytical or quality issues were noted.

- 1
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# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD exceeds the control limits
*	ISTD response or retention time outside acceptable limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F	MS/MSD Recovery and/or RPD exceeds the control limits

### GC Semi VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
E	Result exceeded calibration range.
X	Surrogate is outside control limits

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS/MSD Recovery and/or RPD exceeds the control limits

### General Chemistry

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio

# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

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## Glossary (Continued)

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Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB2-0-2'**

**Lab Sample ID: 490-37270-1**

Date Collected: 10/08/13 09:00

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 83.8

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.150</b>		0.0598	0.0478	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Benzene	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Bromochloromethane	<0.000658		0.00239	0.000658	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Bromodichloromethane	<0.000658		0.00239	0.000658	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Bromoform	<0.000658		0.00239	0.000658	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Bromomethane	<0.00143		0.00239	0.00143	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
<b>2-Butanone (MEK)</b>	<b>0.0229</b>	<b>J</b>	0.0598	0.00610	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
<b>Carbon disulfide</b>	<b>0.0114</b>		0.00598	0.00430	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Carbon tetrachloride	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Chlorobenzene	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Chlorodibromomethane	<0.000407		0.00239	0.000407	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Chloroethane	<0.00227		0.00598	0.00227	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Chloroform	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Chloromethane	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
cis-1,2-Dichloroethene	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
cis-1,3-Dichloropropene	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Cyclohexane	<0.00395		0.0120	0.00395	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,2-Dibromo-3-Chloropropane	<0.000837		0.00598	0.000837	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,2-Dibromoethane (EDB)	<0.00120		0.00239	0.00120	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,2-Dichlorobenzene	<0.000407		0.00239	0.000407	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,3-Dichlorobenzene	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,4-Dichlorobenzene	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Dichlorodifluoromethane	<0.00120		0.00239	0.00120	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,1-Dichloroethane	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,2-Dichloroethane	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,1-Dichloroethene	<0.000682		0.00239	0.000682	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,2-Dichloropropane	<0.00112		0.00239	0.00112	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Ethylbenzene	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
2-Hexanone	<0.0200		0.0598	0.0200	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Isopropylbenzene	<0.000490		0.00239	0.000490	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Methyl acetate	<0.00287		0.0120	0.00287	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Methylcyclohexane	<0.00395		0.0120	0.00395	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
<b>Methylene Chloride</b>	<b>0.00135</b>	<b>J B</b>	0.0120	0.00103	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
4-Methyl-2-pentanone (MIBK)	<0.0203		0.0598	0.0203	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Methyl tert-butyl ether	<0.00115		0.00239	0.00115	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Styrene	<0.00132		0.00239	0.00132	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,1,2,2-Tetrachloroethane	<0.00120		0.00239	0.00120	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Tetrachloroethene	<0.000873		0.00239	0.000873	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Toluene	<0.000885		0.00239	0.000885	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
trans-1,2-Dichloroethene	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
trans-1,3-Dichloropropene	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,2,3-Trichlorobenzene	<0.000454		0.00239	0.000454	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,2,4-Trichlorobenzene	<0.000801		0.00239	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,1,1-Trichloroethane	<0.00110		0.00239	0.00110	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,1,2-Trichloroethane	<0.00167		0.00598	0.00167	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Trichloroethene	<0.00115		0.00239	0.00115	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Trichlorofluoromethane	<0.00120		0.00239	0.00120	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000945		0.00239	0.000945	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
Vinyl chloride	<0.00132		0.00239	0.00132	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB2-0-2'**

**Lab Sample ID: 490-37270-1**

**Date Collected: 10/08/13 09:00**

**Matrix: Soil**

**Date Received: 10/09/13 08:15**

**Percent Solids: 83.8**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000801		0.00359	0.000801	mg/Kg	☼	10/09/13 13:01	10/15/13 13:47	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	125		70 - 130				10/09/13 13:01	10/15/13 13:47	1
Dibromofluoromethane (Surr)	97		70 - 130				10/09/13 13:01	10/15/13 13:47	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 130				10/09/13 13:01	10/15/13 13:47	1
Toluene-d8 (Surr)	120		70 - 130				10/09/13 13:01	10/15/13 13:47	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00985		0.0660	0.00985	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Acenaphthylene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Acetophenone	<0.0690		0.328	0.0690	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Anthracene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Atrazine	<0.165 *		0.328	0.165	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Benzaldehyde	<0.282		1.65	0.282	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Benzo[a]anthracene	<0.0148		0.0660	0.0148	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
<b>Benzo[a]pyrene</b>	<b>0.0333 J</b>		0.0660	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
<b>Benzo[b]fluoranthene</b>	<b>0.0395 J</b>		0.0660	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Benzo[g,h,i]perylene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
<b>Benzo[k]fluoranthene</b>	<b>0.0246 J</b>		0.0660	0.0138	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Biphenyl	<0.102		0.328	0.102	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Bis(2-chloroethoxy)methane	<0.0118		0.328	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Bis(2-chloroethyl)ether	<0.0197		0.328	0.0197	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
bis (2-chloroisopropyl) ether	<0.132		0.328	0.132	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.0533 J</b>		0.328	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
4-Bromophenyl phenyl ether	<0.0168		0.328	0.0168	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Butyl benzyl phthalate	<0.0158		0.328	0.0158	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Caprolactam	<0.106		0.328	0.106	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Carbazole	<0.00690		0.328	0.00690	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
4-Chloroaniline	<0.164		0.328	0.164	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
4-Chloro-3-methylphenol	<0.0158		0.328	0.0158	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2-Chloronaphthalene	<0.0168		0.328	0.0168	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2-Chlorophenol	<0.0148		0.328	0.0148	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
4-Chlorophenyl phenyl ether	<0.0237		0.328	0.0237	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Chrysene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Dibenz(a,h)anthracene	<0.00690		0.0660	0.00690	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Dibenzofuran	<0.0128		0.328	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
3,3'-Dichlorobenzidine	<0.131		0.657	0.131	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2,4-Dichlorophenol	<0.0168		0.328	0.0168	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Diethyl phthalate	<0.0138		0.328	0.0138	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2,4-Dimethylphenol	<0.189		0.328	0.189	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Dimethyl phthalate	<0.00788		1.65	0.00788	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Di-n-butyl phthalate	<0.0128		0.328	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
4,6-Dinitro-2-methylphenol	<0.102		0.328	0.102	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2,4-Dinitrophenol	<0.108		0.328	0.108	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2,4-Dinitrotoluene	<0.00887		0.328	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2,6-Dinitrotoluene	<0.0305		0.328	0.0305	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Di-n-octyl phthalate	<0.0128		0.328	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Fluoranthene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB2-0-2'**

**Lab Sample ID: 490-37270-1**

**Date Collected: 10/08/13 09:00**

**Matrix: Soil**

**Date Received: 10/09/13 08:15**

**Percent Solids: 83.8**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0118		0.0660	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Hexachlorobenzene	<0.0286		0.328	0.0286	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Hexachlorobutadiene	<0.0690		0.328	0.0690	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Hexachlorocyclopentadiene	<0.0158		0.328	0.0158	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Hexachloroethane	<0.0197		0.328	0.0197	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Indeno[1,2,3-cd]pyrene	<0.00985		0.0660	0.00985	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Isophorone	<0.0581		0.328	0.0581	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2-Methylnaphthalene	<0.0158		0.0660	0.0158	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2-Methylphenol	<0.0916		0.328	0.0916	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
3 & 4 Methylphenol	<0.0197		0.328	0.0197	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Naphthalene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2-Nitroaniline	<0.0177		0.821	0.0177	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
3-Nitroaniline	<0.146		0.821	0.146	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
4-Nitroaniline	<0.0296		0.821	0.0296	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Nitrobenzene	<0.0168		0.328	0.0168	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2-Nitrophenol	<0.0128		0.328	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
4-Nitrophenol	<0.0148		0.328	0.0148	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
N-Nitrosodi-n-propylamine	<0.0207		0.328	0.0207	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0158		0.328	0.0158	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Pentachlorophenol	<0.123		0.821	0.123	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Phenanthrene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Phenol	<0.0138		0.328	0.0138	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Pyrene	<0.0118		0.0660	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
1,2,4,5-Tetrachlorobenzene	<0.254		1.65	0.254	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2,3,4,6-Tetrachlorophenol	<0.167		0.328	0.167	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2,4,5-Trichlorophenol	<0.0168		0.821	0.0168	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
2,4,6-Trichlorophenol	<0.0246		0.328	0.0246	mg/Kg	☼	10/14/13 09:19	10/16/13 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	49		29 - 120				10/14/13 09:19	10/16/13 01:33	1
2-Fluorophenol (Surr)	46		10 - 120				10/14/13 09:19	10/16/13 01:33	1
Nitrobenzene-d5 (Surr)	45		27 - 120				10/14/13 09:19	10/16/13 01:33	1
Phenol-d5 (Surr)	50		10 - 120				10/14/13 09:19	10/16/13 01:33	1
Terphenyl-d14 (Surr)	74		13 - 120				10/14/13 09:19	10/16/13 01:33	1
2,4,6-Tribromophenol (Surr)	61		10 - 120				10/14/13 09:19	10/16/13 01:33	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000304		0.00167	0.000304	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
alpha-BHC	<0.000196		0.00167	0.000196	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
beta-BHC	<0.00196		0.00324	0.00196	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
delta-BHC	<0.000373		0.00167	0.000373	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
gamma-BHC (Lindane)	<0.000383		0.00167	0.000383	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
alpha-Chlordane	<0.000422		0.00167	0.000422	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
gamma-Chlordane	<0.000775		0.00167	0.000775	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
Chlordane (technical)	<0.0356		0.0655	0.0356	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
4,4'-DDD	<0.000422		0.00167	0.000422	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
4,4'-DDE	<0.000491		0.00167	0.000491	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
4,4'-DDT	<0.000834		0.00167	0.000834	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB2-0-2'**

**Lab Sample ID: 490-37270-1**

Date Collected: 10/08/13 09:00

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 83.8

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000393		0.00167	0.000393	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
Endosulfan I	<0.000461		0.00167	0.000461	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
Endosulfan II	<0.000540		0.00167	0.000540	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
Endosulfan sulfate	<0.000491		0.00167	0.000491	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
Endrin	<0.000422		0.00167	0.000422	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
Endrin aldehyde	<0.000501		0.00167	0.000501	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
Endrin ketone	<0.000579		0.00167	0.000579	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
Heptachlor	<0.000412		0.00167	0.000412	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
Heptachlor epoxide	<0.000638		0.00167	0.000638	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1
Methoxychlor	<0.000481		0.00324	0.000481	mg/Kg	☼	10/14/13 06:57	10/18/13 16:14	1
Toxaphene	<0.0414		0.0655	0.0414	mg/Kg	☼	10/14/13 06:57	10/15/13 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		21 - 145	10/14/13 06:57	10/15/13 15:24	1
DCB Decachlorobiphenyl (Surr)	75		25 - 150	10/14/13 06:57	10/15/13 15:24	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0116		0.0387	0.0116	mg/Kg	☼	10/10/13 07:37	10/12/13 17:27	1
PCB-1221	<0.0116		0.0387	0.0116	mg/Kg	☼	10/10/13 07:37	10/12/13 17:27	1
PCB-1232	<0.0233		0.0387	0.0233	mg/Kg	☼	10/10/13 07:37	10/12/13 17:27	1
PCB-1242	<0.0116		0.0387	0.0116	mg/Kg	☼	10/10/13 07:37	10/12/13 17:27	1
PCB-1248	<0.0116		0.0387	0.0116	mg/Kg	☼	10/10/13 07:37	10/12/13 17:27	1
PCB-1254	<0.0116		0.0387	0.0116	mg/Kg	☼	10/10/13 07:37	10/12/13 17:27	1
PCB-1260	<0.0116		0.0387	0.0116	mg/Kg	☼	10/10/13 07:37	10/12/13 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	79		20 - 150	10/10/13 07:37	10/12/13 17:27	1
Tetrachloro-m-xylene	100		19 - 147	10/10/13 07:37	10/12/13 17:27	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>2500</b>		23.7	18.9	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
Antimony	<1.66		11.8	1.66	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
<b>Arsenic</b>	<b>1.33</b>	<b>J</b>	2.37	1.12	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
<b>Barium</b>	<b>15.1</b>		2.37	0.237	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
Beryllium	<0.118		1.18	0.118	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
<b>Cadmium</b>	<b>0.592</b>	<b>J</b>	1.18	0.118	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
<b>Calcium</b>	<b>1810</b>		237	52.1	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
<b>Chromium</b>	<b>1290</b>		5.92	1.77	mg/Kg	☼	10/17/13 09:42	10/18/13 10:17	5
<b>Cobalt</b>	<b>5.18</b>		2.37	0.355	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
<b>Copper</b>	<b>9.16</b>		2.37	2.01	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
<b>Iron</b>	<b>4000</b>	<b>B</b>	23.7	1.77	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
<b>Lead</b>	<b>18.6</b>		1.18	0.828	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
<b>Magnesium</b>	<b>22200</b>		237	15.4	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
<b>Manganese</b>	<b>182</b>	<b>B</b>	3.55	0.390	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
<b>Nickel</b>	<b>98.8</b>		2.37	0.355	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
<b>Potassium</b>	<b>119</b>	<b>J</b>	237	23.7	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
Selenium	<1.77		2.37	1.77	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
Silver	<0.355		1.18	0.355	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB2-0-2'**

**Lab Sample ID: 490-37270-1**

Date Collected: 10/08/13 09:00

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 83.8

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	54.4	J	237	23.7	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
Thallium	<1.42		2.37	1.42	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
Vanadium	14.4		11.8	3.67	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1
Zinc	68.1		11.8	1.18	mg/Kg	☼	10/17/13 09:42	10/17/13 21:02	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0808	J	0.119	0.0358	mg/Kg	☼	10/22/13 13:44	10/23/13 10:24	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.334		1.11	0.334	mg/Kg	☼	10/11/13 14:33	10/16/13 09:42	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	84		0.10	0.10	%			10/09/13 12:32	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB2-4-8'**

**Lab Sample ID: 490-37270-2**

Date Collected: 10/08/13 10:00

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 81.7

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.0414</b>	<b>J</b>	0.0499	0.0399	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Benzene	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Bromochloromethane	<0.000548		0.00199	0.000548	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Bromodichloromethane	<0.000548		0.00199	0.000548	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Bromoform	<0.000548		0.00199	0.000548	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Bromomethane	<0.00120		0.00199	0.00120	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
<b>2-Butanone (MEK)</b>	<b>0.00581</b>	<b>J</b>	0.0499	0.00509	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
<b>Carbon disulfide</b>	<b>0.0195</b>		0.00499	0.00359	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Carbon tetrachloride	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Chlorobenzene	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Chlorodibromomethane	<0.000339		0.00199	0.000339	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Chloroethane	<0.00189		0.00499	0.00189	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Chloroform	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Chloromethane	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
cis-1,2-Dichloroethene	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
cis-1,3-Dichloropropene	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Cyclohexane	<0.00329		0.00997	0.00329	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,2-Dibromo-3-Chloropropane	<0.000698		0.00499	0.000698	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,2-Dibromoethane (EDB)	<0.000997		0.00199	0.000997	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,2-Dichlorobenzene	<0.000339		0.00199	0.000339	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,3-Dichlorobenzene	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,4-Dichlorobenzene	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Dichlorodifluoromethane	<0.000997		0.00199	0.000997	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,1-Dichloroethane	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,2-Dichloroethane	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,1-Dichloroethene	<0.000568		0.00199	0.000568	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,2-Dichloropropane	<0.000937		0.00199	0.000937	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Ethylbenzene	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
2-Hexanone	<0.0167		0.0499	0.0167	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Isopropylbenzene	<0.000409		0.00199	0.000409	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Methyl acetate	<0.00239	*	0.00997	0.00239	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Methylcyclohexane	<0.00329		0.00997	0.00329	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Methylene Chloride	<0.000858		0.00997	0.000858	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0499	0.0170	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Methyl tert-butyl ether	<0.000957		0.00199	0.000957	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Styrene	<0.00110		0.00199	0.00110	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,1,2,2-Tetrachloroethane	<0.000997		0.00199	0.000997	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Tetrachloroethene	<0.000728		0.00199	0.000728	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Toluene	<0.000738		0.00199	0.000738	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
trans-1,2-Dichloroethene	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
trans-1,3-Dichloropropene	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,2,3-Trichlorobenzene	<0.000379		0.00199	0.000379	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,2,4-Trichlorobenzene	<0.000668		0.00199	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,1,1-Trichloroethane	<0.000917		0.00199	0.000917	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,1,2-Trichloroethane	<0.00140		0.00499	0.00140	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Trichloroethene	<0.000957		0.00199	0.000957	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Trichlorofluoromethane	<0.000997		0.00199	0.000997	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000788		0.00199	0.000788	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
Vinyl chloride	<0.00110		0.00199	0.00110	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB2-4-8'**

**Lab Sample ID: 490-37270-2**

Date Collected: 10/08/13 10:00

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 81.7

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000668		0.00299	0.000668	mg/Kg	☼	10/09/13 13:01	10/16/13 14:56	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	111		70 - 130				10/09/13 13:01	10/16/13 14:56	1
Dibromofluoromethane (Surr)	97		70 - 130				10/09/13 13:01	10/16/13 14:56	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130				10/09/13 13:01	10/16/13 14:56	1
Toluene-d8 (Surr)	108		70 - 130				10/09/13 13:01	10/16/13 14:56	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00986		0.0661	0.00986	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Acenaphthylene	<0.00887		0.0661	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Acetophenone	<0.0690		0.328	0.0690	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Anthracene	<0.00887		0.0661	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Atrazine	<0.165 *		0.328	0.165	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Benzaldehyde	<0.282		1.65	0.282	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Benzo[a]anthracene	<0.0148		0.0661	0.0148	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Benzo[a]pyrene	<0.0118		0.0661	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Benzo[b]fluoranthene	<0.0118		0.0661	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Benzo[g,h,i]perylene	<0.00887		0.0661	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Benzo[k]fluoranthene	<0.0138		0.0661	0.0138	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Biphenyl	<0.103		0.328	0.103	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Bis(2-chloroethoxy)methane	<0.0118		0.328	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Bis(2-chloroethyl)ether	<0.0197		0.328	0.0197	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
bis (2-chloroisopropyl) ether	<0.132		0.328	0.132	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Bis(2-ethylhexyl) phthalate	<0.0128		0.328	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
4-Bromophenyl phenyl ether	<0.0168		0.328	0.0168	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Butyl benzyl phthalate	<0.0158		0.328	0.0158	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Caprolactam	<0.106		0.328	0.106	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Carbazole	<0.00690		0.328	0.00690	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
4-Chloroaniline	<0.164		0.328	0.164	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
4-Chloro-3-methylphenol	<0.0158		0.328	0.0158	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2-Chloronaphthalene	<0.0168		0.328	0.0168	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2-Chlorophenol	<0.0148		0.328	0.0148	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
4-Chlorophenyl phenyl ether	<0.0237		0.328	0.0237	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Chrysene	<0.00887		0.0661	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Dibenz(a,h)anthracene	<0.00690		0.0661	0.00690	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Dibenzofuran	<0.0128		0.328	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
3,3'-Dichlorobenzidine	<0.131		0.658	0.131	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2,4-Dichlorophenol	<0.0168		0.328	0.0168	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Diethyl phthalate	<0.0138		0.328	0.0138	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2,4-Dimethylphenol	<0.189		0.328	0.189	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Dimethyl phthalate	<0.00789		1.65	0.00789	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Di-n-butyl phthalate	<0.0128		0.328	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
4,6-Dinitro-2-methylphenol	<0.102		0.328	0.102	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2,4-Dinitrophenol	<0.108		0.328	0.108	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2,4-Dinitrotoluene	<0.00887		0.328	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2,6-Dinitrotoluene	<0.0306		0.328	0.0306	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Di-n-octyl phthalate	<0.0128		0.328	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Fluoranthene	<0.00887		0.0661	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB2-4-8'**

**Lab Sample ID: 490-37270-2**

**Date Collected: 10/08/13 10:00**

**Matrix: Soil**

**Date Received: 10/09/13 08:15**

**Percent Solids: 81.7**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0118		0.0661	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Hexachlorobenzene	<0.0286		0.328	0.0286	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Hexachlorobutadiene	<0.0690		0.328	0.0690	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Hexachlorocyclopentadiene	<0.0158		0.328	0.0158	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Hexachloroethane	<0.0197		0.328	0.0197	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Indeno[1,2,3-cd]pyrene	<0.00986		0.0661	0.00986	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Isophorone	<0.0582		0.328	0.0582	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2-Methylnaphthalene	<0.0158		0.0661	0.0158	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2-Methylphenol	<0.0917		0.328	0.0917	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
3 & 4 Methylphenol	<0.0197		0.328	0.0197	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Naphthalene	<0.00887		0.0661	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2-Nitroaniline	<0.0177		0.821	0.0177	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
3-Nitroaniline	<0.146		0.821	0.146	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
4-Nitroaniline	<0.0296		0.821	0.0296	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Nitrobenzene	<0.0168		0.328	0.0168	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2-Nitrophenol	<0.0128		0.328	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
4-Nitrophenol	<0.0148		0.328	0.0148	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
N-Nitrosodi-n-propylamine	<0.0207		0.328	0.0207	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0158		0.328	0.0158	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Pentachlorophenol	<0.123		0.821	0.123	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Phenanthrene	<0.00887		0.0661	0.00887	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Phenol	<0.0138		0.328	0.0138	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Pyrene	<0.0118		0.0661	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
1,2,4,5-Tetrachlorobenzene	<0.254		1.65	0.254	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2,3,4,6-Tetrachlorophenol	<0.167		0.328	0.167	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2,4,5-Trichlorophenol	<0.0168		0.821	0.0168	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
2,4,6-Trichlorophenol	<0.0247		0.328	0.0247	mg/Kg	☼	10/14/13 09:19	10/16/13 01:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	41		29 - 120				10/14/13 09:19	10/16/13 01:55	1
2-Fluorophenol (Surr)	41		10 - 120				10/14/13 09:19	10/16/13 01:55	1
Nitrobenzene-d5 (Surr)	41		27 - 120				10/14/13 09:19	10/16/13 01:55	1
Phenol-d5 (Surr)	44		10 - 120				10/14/13 09:19	10/16/13 01:55	1
Terphenyl-d14 (Surr)	63		13 - 120				10/14/13 09:19	10/16/13 01:55	1
2,4,6-Tribromophenol (Surr)	55		10 - 120				10/14/13 09:19	10/16/13 01:55	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000306		0.00168	0.000306	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
alpha-BHC	<0.000197		0.00168	0.000197	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
beta-BHC	<0.00197		0.00326	0.00197	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
delta-BHC	<0.000375		0.00168	0.000375	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
gamma-BHC (Lindane)	<0.000385		0.00168	0.000385	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
alpha-Chlordane	<0.000424		0.00168	0.000424	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
gamma-Chlordane	<0.000780		0.00168	0.000780	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
Chlordane (technical)	<0.0358		0.0658	0.0358	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
4,4'-DDD	<0.000424		0.00168	0.000424	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
4,4'-DDE	<0.000493		0.00168	0.000493	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
4,4'-DDT	<0.000839		0.00168	0.000839	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB2-4-8'**

**Lab Sample ID: 490-37270-2**

Date Collected: 10/08/13 10:00

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 81.7

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000395		0.00168	0.000395	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
Endosulfan I	<0.000464		0.00168	0.000464	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
Endosulfan II	<0.000543		0.00168	0.000543	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
Endosulfan sulfate	<0.000493		0.00168	0.000493	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
Endrin	<0.000424		0.00168	0.000424	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
Endrin aldehyde	<0.000503		0.00168	0.000503	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
Endrin ketone	<0.000582		0.00168	0.000582	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
Heptachlor	<0.000414		0.00168	0.000414	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
Heptachlor epoxide	<0.000641		0.00168	0.000641	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1
Methoxychlor	<0.000484		0.00326	0.000484	mg/Kg	☼	10/14/13 06:57	10/18/13 16:26	1
Toxaphene	<0.0416		0.0658	0.0416	mg/Kg	☼	10/14/13 06:57	10/15/13 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	48		21 - 145	10/14/13 06:57	10/15/13 15:36	1
DCB Decachlorobiphenyl (Surr)	69		25 - 150	10/14/13 06:57	10/15/13 15:36	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0122		0.0406	0.0122	mg/Kg	☼	10/10/13 07:37	10/12/13 17:48	1
PCB-1221	<0.0122		0.0406	0.0122	mg/Kg	☼	10/10/13 07:37	10/12/13 17:48	1
PCB-1232	<0.0244		0.0406	0.0244	mg/Kg	☼	10/10/13 07:37	10/12/13 17:48	1
PCB-1242	<0.0122		0.0406	0.0122	mg/Kg	☼	10/10/13 07:37	10/12/13 17:48	1
PCB-1248	<0.0122		0.0406	0.0122	mg/Kg	☼	10/10/13 07:37	10/12/13 17:48	1
PCB-1254	<0.0122		0.0406	0.0122	mg/Kg	☼	10/10/13 07:37	10/12/13 17:48	1
PCB-1260	<0.0122		0.0406	0.0122	mg/Kg	☼	10/10/13 07:37	10/12/13 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	81		20 - 150	10/10/13 07:37	10/12/13 17:48	1
Tetrachloro-m-xylene	100		19 - 147	10/10/13 07:37	10/12/13 17:48	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>15600</b>		24.0	19.2	mg/Kg	☼	10/17/13 09:42	10/18/13 10:20	1
Antimony	<1.68		12.0	1.68	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
<b>Arsenic</b>	<b>1.61</b>	<b>J</b>	2.40	1.14	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
<b>Barium</b>	<b>15.8</b>		2.40	0.240	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
<b>Beryllium</b>	<b>0.192</b>	<b>J</b>	1.20	0.120	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
<b>Cadmium</b>	<b>0.960</b>	<b>J</b>	1.20	0.120	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
<b>Calcium</b>	<b>83.3</b>	<b>J</b>	240	52.8	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
<b>Chromium</b>	<b>18.0</b>		1.20	0.360	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
Cobalt	<0.360		2.40	0.360	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
Copper	<2.04		2.40	2.04	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
<b>Iron</b>	<b>7970</b>	<b>B</b>	24.0	1.80	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
<b>Lead</b>	<b>11.8</b>		1.20	0.840	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
<b>Magnesium</b>	<b>396</b>		240	15.6	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
<b>Manganese</b>	<b>5.01</b>	<b>B</b>	3.60	0.396	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
<b>Nickel</b>	<b>1.34</b>	<b>J</b>	2.40	0.360	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
<b>Potassium</b>	<b>222</b>	<b>J</b>	240	24.0	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
Selenium	<1.80		2.40	1.80	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
Silver	<0.360		1.20	0.360	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB2-4-8'**

**Lab Sample ID: 490-37270-2**

Date Collected: 10/08/13 10:00

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 81.7

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	256		240	24.0	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
Thallium	<1.44		2.40	1.44	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
Vanadium	12.6		12.0	3.72	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1
Zinc	2.98	J	12.0	1.20	mg/Kg	☼	10/17/13 09:42	10/17/13 21:21	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0365		0.122	0.0365	mg/Kg	☼	10/22/13 13:44	10/23/13 10:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.343		1.14	0.343	mg/Kg	☼	10/11/13 14:33	10/16/13 09:42	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82		0.10	0.10	%			10/09/13 12:32	1



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 TW2 24-28'**

**Lab Sample ID: 490-37270-3**

**Date Collected: 10/08/13 12:00**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/15/13 10:32	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 10:32	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 10:32	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 10:32	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 10:32	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 10:32	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 10:32	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/15/13 10:32	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 10:32	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 10:32	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 10:32	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 10:32	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 10:32	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 10:32	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 10:32	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 10:32	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 10:32	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 10:32	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 10:32	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 10:32	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 10:32	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 10:32	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 10:32	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 10:32	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 10:32	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 10:32	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 10:32	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 10:32	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 10:32	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 10:32	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 10:32	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 10:32	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/15/13 10:32	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 10:32	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 10:32	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 10:32	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 10:32	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 10:32	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 10:32	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 10:32	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 10:32	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 10:32	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 10:32	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 10:32	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 10:32	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 10:32	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 10:32	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 10:32	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 10:32	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 TW2 24-28'**

**Lab Sample ID: 490-37270-3**

**Date Collected: 10/08/13 12:00**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 10:32	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	94		70 - 130					10/15/13 10:32	1
Dibromofluoromethane (Surr)	104		70 - 130					10/15/13 10:32	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130					10/15/13 10:32	1
Toluene-d8 (Surr)	95		70 - 130					10/15/13 10:32	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.342		1.87	0.342	ug/L		10/14/13 12:41	10/15/13 21:09	1
Acenaphthylene	<0.308		1.87	0.308	ug/L		10/14/13 12:41	10/15/13 21:09	1
Acetophenone	<1.78		9.35	1.78	ug/L		10/14/13 12:41	10/15/13 21:09	1
Anthracene	<0.825		1.87	0.825	ug/L		10/14/13 12:41	10/15/13 21:09	1
Atrazine	<3.46		9.35	3.46	ug/L		10/14/13 12:41	10/15/13 21:09	1
Benzaldehyde	<2.01		9.35	2.01	ug/L		10/14/13 12:41	10/15/13 21:09	1
Benzo[a]anthracene	<0.303		1.87	0.303	ug/L		10/14/13 12:41	10/15/13 21:09	1
Benzo[a]pyrene	<0.308		1.87	0.308	ug/L		10/14/13 12:41	10/15/13 21:09	1
Benzo[b]fluoranthene	<0.394		1.87	0.394	ug/L		10/14/13 12:41	10/15/13 21:09	1
Benzo[g,h,i]perylene	<0.268		1.87	0.268	ug/L		10/14/13 12:41	10/15/13 21:09	1
Benzo[k]fluoranthene	<0.340		1.87	0.340	ug/L		10/14/13 12:41	10/15/13 21:09	1
Biphenyl	<3.11		9.35	3.11	ug/L		10/14/13 12:41	10/15/13 21:09	1
Bis(2-chloroethoxy)methane	<1.27		9.35	1.27	ug/L		10/14/13 12:41	10/15/13 21:09	1
Bis(2-chloroethyl)ether	<1.30		9.35	1.30	ug/L		10/14/13 12:41	10/15/13 21:09	1
bis (2-chloroisopropyl) ether	<1.83		9.35	1.83	ug/L		10/14/13 12:41	10/15/13 21:09	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>2.17</b>	<b>J B</b>	9.35	1.93	ug/L		10/14/13 12:41	10/15/13 21:09	1
4-Bromophenyl phenyl ether	<1.28		9.35	1.28	ug/L		10/14/13 12:41	10/15/13 21:09	1
Butyl benzyl phthalate	<1.63		9.35	1.63	ug/L		10/14/13 12:41	10/15/13 21:09	1
Caprolactam	<3.11		9.35	3.11	ug/L		10/14/13 12:41	10/15/13 21:09	1
Carbazole	<0.279		9.35	0.279	ug/L		10/14/13 12:41	10/15/13 21:09	1
4-Chloroaniline	<1.09		9.35	1.09	ug/L		10/14/13 12:41	10/15/13 21:09	1
4-Chloro-3-methylphenol	<3.11		9.35	3.11	ug/L		10/14/13 12:41	10/15/13 21:09	1
2-Chloronaphthalene	<1.53		9.35	1.53	ug/L		10/14/13 12:41	10/15/13 21:09	1
2-Chlorophenol	<1.49		9.35	1.49	ug/L		10/14/13 12:41	10/15/13 21:09	1
4-Chlorophenyl phenyl ether	<1.64		9.35	1.64	ug/L		10/14/13 12:41	10/15/13 21:09	1
Chrysene	<1.02		1.87	1.02	ug/L		10/14/13 12:41	10/15/13 21:09	1
Dibenz(a,h)anthracene	<0.602		1.87	0.602	ug/L		10/14/13 12:41	10/15/13 21:09	1
Dibenzofuran	<0.317		9.35	0.317	ug/L		10/14/13 12:41	10/15/13 21:09	1
3,3'-Dichlorobenzidine	<1.42		9.35	1.42	ug/L		10/14/13 12:41	10/15/13 21:09	1
2,4-Dichlorophenol	<0.953		9.35	0.953	ug/L		10/14/13 12:41	10/15/13 21:09	1
Diethyl phthalate	<1.51		9.35	1.51	ug/L		10/14/13 12:41	10/15/13 21:09	1
2,4-Dimethylphenol	<0.931		9.35	0.931	ug/L		10/14/13 12:41	10/15/13 21:09	1
Dimethyl phthalate	<1.69		9.35	1.69	ug/L		10/14/13 12:41	10/15/13 21:09	1
Di-n-butyl phthalate	<1.40		9.35	1.40	ug/L		10/14/13 12:41	10/15/13 21:09	1
4,6-Dinitro-2-methylphenol	<1.93		23.4	1.93	ug/L		10/14/13 12:41	10/15/13 21:09	1
2,4-Dinitrophenol	<2.30		23.4	2.30	ug/L		10/14/13 12:41	10/15/13 21:09	1
2,4-Dinitrotoluene	<3.11		9.35	3.11	ug/L		10/14/13 12:41	10/15/13 21:09	1
2,6-Dinitrotoluene	<1.81		9.35	1.81	ug/L		10/14/13 12:41	10/15/13 21:09	1
Di-n-octyl phthalate	<2.16		9.35	2.16	ug/L		10/14/13 12:41	10/15/13 21:09	1
Fluoranthene	<0.324		1.87	0.324	ug/L		10/14/13 12:41	10/15/13 21:09	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 TW2 24-28'**

**Lab Sample ID: 490-37270-3**

**Date Collected: 10/08/13 12:00**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.295		1.87	0.295	ug/L		10/14/13 12:41	10/15/13 21:09	1
Hexachlorobenzene	<1.58		9.35	1.58	ug/L		10/14/13 12:41	10/15/13 21:09	1
Hexachlorobutadiene	<3.11		9.35	3.11	ug/L		10/14/13 12:41	10/15/13 21:09	1
Hexachlorocyclopentadiene	<3.11		9.35	3.11	ug/L		10/14/13 12:41	10/15/13 21:09	1
Hexachloroethane	<3.11		9.35	3.11	ug/L		10/14/13 12:41	10/15/13 21:09	1
Indeno[1,2,3-cd]pyrene	<0.356		1.87	0.356	ug/L		10/14/13 12:41	10/15/13 21:09	1
Isophorone	<1.16		9.35	1.16	ug/L		10/14/13 12:41	10/15/13 21:09	1
2-Methylnaphthalene	<0.291		1.87	0.291	ug/L		10/14/13 12:41	10/15/13 21:09	1
2-Methylphenol	<3.11		9.35	3.11	ug/L		10/14/13 12:41	10/15/13 21:09	1
3 & 4 Methylphenol	<3.11		9.35	3.11	ug/L		10/14/13 12:41	10/15/13 21:09	1
Naphthalene	<0.372		1.87	0.372	ug/L		10/14/13 12:41	10/15/13 21:09	1
2-Nitroaniline	<0.972		23.4	0.972	ug/L		10/14/13 12:41	10/15/13 21:09	1
3-Nitroaniline	<1.73		23.4	1.73	ug/L		10/14/13 12:41	10/15/13 21:09	1
4-Nitroaniline	<2.23		23.4	2.23	ug/L		10/14/13 12:41	10/15/13 21:09	1
Nitrobenzene	<1.16		9.35	1.16	ug/L		10/14/13 12:41	10/15/13 21:09	1
2-Nitrophenol	<1.47		9.35	1.47	ug/L		10/14/13 12:41	10/15/13 21:09	1
4-Nitrophenol	<3.11		23.4	3.11	ug/L		10/14/13 12:41	10/15/13 21:09	1
N-Nitrosodi-n-propylamine	<1.33		9.35	1.33	ug/L		10/14/13 12:41	10/15/13 21:09	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.35		9.35	1.35	ug/L		10/14/13 12:41	10/15/13 21:09	1
Pentachlorophenol	<1.54		23.4	1.54	ug/L		10/14/13 12:41	10/15/13 21:09	1
Phenanthrene	<0.321		1.87	0.321	ug/L		10/14/13 12:41	10/15/13 21:09	1
Phenol	<3.22		9.35	3.22	ug/L		10/14/13 12:41	10/15/13 21:09	1
Pyrene	<0.309		1.87	0.309	ug/L		10/14/13 12:41	10/15/13 21:09	1
1,2,4,5-Tetrachlorobenzene	<3.78		9.35	3.78	ug/L		10/14/13 12:41	10/15/13 21:09	1
2,3,4,6-Tetrachlorophenol	<3.39		9.35	3.39	ug/L		10/14/13 12:41	10/15/13 21:09	1
2,4,5-Trichlorophenol	<1.90		23.4	1.90	ug/L		10/14/13 12:41	10/15/13 21:09	1
2,4,6-Trichlorophenol	<1.64		9.35	1.64	ug/L		10/14/13 12:41	10/15/13 21:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	51		29 - 120	10/14/13 12:41	10/15/13 21:09	1
2-Fluorophenol (Surr)	32		10 - 120	10/14/13 12:41	10/15/13 21:09	1
Nitrobenzene-d5 (Surr)	62		27 - 120	10/14/13 12:41	10/15/13 21:09	1
Phenol-d5 (Surr)	23		10 - 120	10/14/13 12:41	10/15/13 21:09	1
Terphenyl-d14 (Surr)	49		13 - 120	10/14/13 12:41	10/15/13 21:09	1
2,4,6-Tribromophenol (Surr)	52		10 - 120	10/14/13 12:41	10/15/13 21:09	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00562		0.0238	0.00562	ug/L		10/10/13 08:04	10/10/13 15:37	1
alpha-BHC	<0.0106		0.0238	0.0106	ug/L		10/10/13 08:04	10/10/13 15:37	1
beta-BHC	<0.00667		0.0238	0.00667	ug/L		10/10/13 08:04	10/10/13 15:37	1
delta-BHC	<0.00733		0.0238	0.00733	ug/L		10/10/13 08:04	10/10/13 15:37	1
gamma-BHC (Lindane)	<0.00543		0.0238	0.00543	ug/L		10/10/13 08:04	10/10/13 15:37	1
alpha-Chlordane	<0.00505		0.0238	0.00505	ug/L		10/10/13 08:04	10/10/13 15:37	1
gamma-Chlordane	<0.0171		0.0238	0.0171	ug/L		10/10/13 08:04	10/10/13 15:37	1
Chlordane (technical)	<0.174		1.90	0.174	ug/L		10/10/13 08:04	10/10/13 15:37	1
4,4'-DDD	<0.00733		0.0238	0.00733	ug/L		10/10/13 08:04	10/10/13 15:37	1
4,4'-DDE	<0.00943		0.0238	0.00943	ug/L		10/10/13 08:04	10/10/13 15:37	1
4,4'-DDT	<0.00848		0.0238	0.00848	ug/L		10/10/13 08:04	10/10/13 15:37	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 TW2 24-28'**

**Lab Sample ID: 490-37270-3**

**Date Collected: 10/08/13 12:00**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00543		0.0238	0.00543	ug/L		10/10/13 08:04	10/10/13 15:37	1
Endosulfan I	<0.00743		0.0238	0.00743	ug/L		10/10/13 08:04	10/10/13 15:37	1
Endosulfan II	<0.00514		0.0238	0.00514	ug/L		10/10/13 08:04	10/10/13 15:37	1
Endosulfan sulfate	<0.00619		0.0238	0.00619	ug/L		10/10/13 08:04	10/10/13 15:37	1
Endrin	<0.00629		0.0238	0.00629	ug/L		10/10/13 08:04	10/11/13 13:08	1
Endrin aldehyde	<0.00829		0.0238	0.00829	ug/L		10/10/13 08:04	10/11/13 13:08	1
Endrin ketone	<0.00619		0.0238	0.00619	ug/L		10/10/13 08:04	10/11/13 13:08	1
Heptachlor	<0.00543		0.0238	0.00543	ug/L		10/10/13 08:04	10/10/13 15:37	1
Heptachlor epoxide	<0.00667		0.0238	0.00667	ug/L		10/10/13 08:04	10/10/13 15:37	1
Methoxychlor	<0.00505		0.0238	0.00505	ug/L		10/10/13 08:04	10/10/13 15:37	1
Toxaphene	<0.0393		1.90	0.0393	ug/L		10/10/13 08:04	10/10/13 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		38 - 150	10/10/13 08:04	10/10/13 15:37	1
DCB Decachlorobiphenyl (Surr)	27		10 - 141	10/10/13 08:04	10/10/13 15:37	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0462		0.472	0.0462	ug/L		10/10/13 09:23	10/10/13 20:10	1
PCB-1221	<0.245		0.472	0.245	ug/L		10/10/13 09:23	10/10/13 20:10	1
PCB-1232	<0.0660		0.472	0.0660	ug/L		10/10/13 09:23	10/10/13 20:10	1
PCB-1242	<0.0604		0.472	0.0604	ug/L		10/10/13 09:23	10/10/13 20:10	1
PCB-1248	<0.0651		0.472	0.0651	ug/L		10/10/13 09:23	10/10/13 20:10	1
PCB-1254	<0.00660		0.472	0.00660	ug/L		10/10/13 09:23	10/10/13 20:10	1
PCB-1260	<0.0113		0.472	0.0113	ug/L		10/10/13 09:23	10/10/13 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	16		10 - 150	10/10/13 09:23	10/10/13 20:10	1
Tetrachloro-m-xylene	72		10 - 150	10/10/13 09:23	10/10/13 20:10	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>59.0</b>		0.100	0.0680	mg/L		10/10/13 13:47	10/16/13 17:19	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Arsenic</b>	<b>0.0725</b>		0.0100	0.00470	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Barium</b>	<b>0.122</b>		0.0100	0.000500	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Beryllium</b>	<b>0.00540</b>		0.00400	0.000300	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Cadmium</b>	<b>0.00350</b>		0.00100	0.000200	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Calcium</b>	<b>325</b>		1.00	0.150	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Chromium</b>	<b>0.226</b>		0.00500	0.00120	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Cobalt</b>	<b>0.0267</b>		0.0100	0.000900	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Copper</b>	<b>0.0274</b>		0.0100	0.00700	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Iron</b>	<b>125</b>		0.100	0.0100	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Lead</b>	<b>0.0944</b>		0.00500	0.00350	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Magnesium</b>	<b>38.4</b>		1.00	0.0530	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Manganese</b>	<b>1.35</b>		0.0150	0.00200	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Nickel</b>	<b>0.0738</b>		0.0100	0.00130	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Potassium</b>	<b>17.1</b>	<b>B</b>	1.00	0.0880	mg/L		10/10/13 13:47	10/16/13 17:19	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/10/13 13:47	10/16/13 17:19	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/10/13 13:47	10/16/13 17:19	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 TW2 24-28'**

**Lab Sample ID: 490-37270-3**

Date Collected: 10/08/13 12:00

Matrix: Ground Water

Date Received: 10/09/13 08:15

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>51.7</b>	<b>B</b>	1.00	0.360	mg/L		10/10/13 13:47	10/16/13 17:19	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Vanadium</b>	<b>0.215</b>		0.0200	0.0150	mg/L		10/10/13 13:47	10/16/13 17:19	1
<b>Zinc</b>	<b>0.208</b>		0.0500	0.0100	mg/L		10/10/13 13:47	10/16/13 17:19	1

**Method: 6010C - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.0700</b>	<b>J</b>	0.100	0.0680	mg/L		10/16/13 09:22	10/17/13 16:42	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/16/13 09:22	10/17/13 16:42	1
<b>Arsenic</b>	<b>0.00580</b>	<b>J</b>	0.0100	0.00470	mg/L		10/16/13 09:22	10/17/13 16:42	1
<b>Barium</b>	<b>0.00920</b>	<b>J</b>	0.0100	0.000500	mg/L		10/16/13 09:22	10/17/13 16:42	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/16/13 09:22	10/17/13 16:42	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/16/13 09:22	10/17/13 16:42	1
<b>Calcium</b>	<b>72.5</b>		1.00	0.150	mg/L		10/16/13 09:22	10/17/13 16:42	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/16/13 09:22	10/17/13 16:42	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/16/13 09:22	10/17/13 16:42	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/16/13 09:22	10/17/13 16:42	1
Iron	<0.0100		0.100	0.0100	mg/L		10/16/13 09:22	10/17/13 16:42	1
<b>Lead</b>	<b>0.00720</b>		0.00500	0.00350	mg/L		10/16/13 09:22	10/17/13 16:42	1
<b>Magnesium</b>	<b>16.1</b>	<b>B</b>	1.00	0.0530	mg/L		10/16/13 09:22	10/17/13 16:42	1
<b>Manganese</b>	<b>0.0704</b>		0.0150	0.00200	mg/L		10/16/13 09:22	10/17/13 16:42	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/16/13 09:22	10/17/13 16:42	1
<b>Potassium</b>	<b>8.74</b>	<b>B</b>	1.00	0.0880	mg/L		10/16/13 09:22	10/17/13 16:42	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/16/13 09:22	10/17/13 16:42	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/16/13 09:22	10/17/13 16:42	1
<b>Sodium</b>	<b>58.8</b>	<b>B</b>	1.00	0.360	mg/L		10/16/13 09:22	10/17/13 16:42	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/16/13 09:22	10/17/13 16:42	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/16/13 09:22	10/17/13 16:42	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/16/13 09:22	10/17/13 16:42	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/17/13 13:45	10/21/13 10:48	1

**Method: 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/22/13 06:42	10/22/13 12:31	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 TW2 24-28'**

**Lab Sample ID: 490-37270-4**

**Date Collected: 10/08/13 16:10**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.0300		0.100	0.0300	mg/L			10/09/13 13:40	10

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW1 20-24'**

**Lab Sample ID: 490-37270-5**

**Date Collected: 10/08/13 16:30**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/15/13 11:00	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 11:00	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 11:00	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 11:00	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 11:00	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 11:00	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 11:00	1
<b>Carbon disulfide</b>	<b>0.241</b>	<b>J</b>	1.00	0.220	ug/L			10/15/13 11:00	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 11:00	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 11:00	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 11:00	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 11:00	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 11:00	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 11:00	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 11:00	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 11:00	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 11:00	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 11:00	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 11:00	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 11:00	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 11:00	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 11:00	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 11:00	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 11:00	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 11:00	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 11:00	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 11:00	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 11:00	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 11:00	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 11:00	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 11:00	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 11:00	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/15/13 11:00	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 11:00	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 11:00	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 11:00	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 11:00	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 11:00	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 11:00	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 11:00	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 11:00	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 11:00	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 11:00	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 11:00	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 11:00	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 11:00	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 11:00	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 11:00	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 11:00	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW1 20-24'**

**Lab Sample ID: 490-37270-5**

**Date Collected: 10/08/13 16:30**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 11:00	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	96		70 - 130					10/15/13 11:00	1
Dibromofluoromethane (Surr)	103		70 - 130					10/15/13 11:00	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130					10/15/13 11:00	1
Toluene-d8 (Surr)	97		70 - 130					10/15/13 11:00	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.345		1.89	0.345	ug/L		10/14/13 12:41	10/15/13 21:32	1
Acenaphthylene	<0.311		1.89	0.311	ug/L		10/14/13 12:41	10/15/13 21:32	1
Acetophenone	<1.79		9.43	1.79	ug/L		10/14/13 12:41	10/15/13 21:32	1
Anthracene	<0.833		1.89	0.833	ug/L		10/14/13 12:41	10/15/13 21:32	1
Atrazine	<3.49		9.43	3.49	ug/L		10/14/13 12:41	10/15/13 21:32	1
Benzaldehyde	<2.03		9.43	2.03	ug/L		10/14/13 12:41	10/15/13 21:32	1
Benzo[a]anthracene	<0.306		1.89	0.306	ug/L		10/14/13 12:41	10/15/13 21:32	1
Benzo[a]pyrene	<0.311		1.89	0.311	ug/L		10/14/13 12:41	10/15/13 21:32	1
Benzo[b]fluoranthene	<0.398		1.89	0.398	ug/L		10/14/13 12:41	10/15/13 21:32	1
Benzo[g,h,i]perylene	<0.271		1.89	0.271	ug/L		10/14/13 12:41	10/15/13 21:32	1
Benzo[k]fluoranthene	<0.343		1.89	0.343	ug/L		10/14/13 12:41	10/15/13 21:32	1
Biphenyl	<3.14		9.43	3.14	ug/L		10/14/13 12:41	10/15/13 21:32	1
Bis(2-chloroethoxy)methane	<1.28		9.43	1.28	ug/L		10/14/13 12:41	10/15/13 21:32	1
Bis(2-chloroethyl)ether	<1.31		9.43	1.31	ug/L		10/14/13 12:41	10/15/13 21:32	1
bis (2-chloroisopropyl) ether	<1.85		9.43	1.85	ug/L		10/14/13 12:41	10/15/13 21:32	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>3.36</b>	<b>J B</b>	9.43	1.94	ug/L		10/14/13 12:41	10/15/13 21:32	1
4-Bromophenyl phenyl ether	<1.29		9.43	1.29	ug/L		10/14/13 12:41	10/15/13 21:32	1
Butyl benzyl phthalate	<1.64		9.43	1.64	ug/L		10/14/13 12:41	10/15/13 21:32	1
Caprolactam	<3.14		9.43	3.14	ug/L		10/14/13 12:41	10/15/13 21:32	1
Carbazole	<0.282		9.43	0.282	ug/L		10/14/13 12:41	10/15/13 21:32	1
4-Chloroaniline	<1.10		9.43	1.10	ug/L		10/14/13 12:41	10/15/13 21:32	1
4-Chloro-3-methylphenol	<3.14		9.43	3.14	ug/L		10/14/13 12:41	10/15/13 21:32	1
2-Chloronaphthalene	<1.55		9.43	1.55	ug/L		10/14/13 12:41	10/15/13 21:32	1
2-Chlorophenol	<1.50		9.43	1.50	ug/L		10/14/13 12:41	10/15/13 21:32	1
4-Chlorophenyl phenyl ether	<1.65		9.43	1.65	ug/L		10/14/13 12:41	10/15/13 21:32	1
Chrysene	<1.03		1.89	1.03	ug/L		10/14/13 12:41	10/15/13 21:32	1
Dibenz(a,h)anthracene	<0.608		1.89	0.608	ug/L		10/14/13 12:41	10/15/13 21:32	1
Dibenzofuran	<0.320		9.43	0.320	ug/L		10/14/13 12:41	10/15/13 21:32	1
3,3'-Dichlorobenzidine	<1.43		9.43	1.43	ug/L		10/14/13 12:41	10/15/13 21:32	1
2,4-Dichlorophenol	<0.962		9.43	0.962	ug/L		10/14/13 12:41	10/15/13 21:32	1
Diethyl phthalate	<1.53		9.43	1.53	ug/L		10/14/13 12:41	10/15/13 21:32	1
2,4-Dimethylphenol	<0.940		9.43	0.940	ug/L		10/14/13 12:41	10/15/13 21:32	1
Dimethyl phthalate	<1.71		9.43	1.71	ug/L		10/14/13 12:41	10/15/13 21:32	1
Di-n-butyl phthalate	<1.42		9.43	1.42	ug/L		10/14/13 12:41	10/15/13 21:32	1
4,6-Dinitro-2-methylphenol	<1.95		23.6	1.95	ug/L		10/14/13 12:41	10/15/13 21:32	1
2,4-Dinitrophenol	<2.32		23.6	2.32	ug/L		10/14/13 12:41	10/15/13 21:32	1
2,4-Dinitrotoluene	<3.14		9.43	3.14	ug/L		10/14/13 12:41	10/15/13 21:32	1
2,6-Dinitrotoluene	<1.83		9.43	1.83	ug/L		10/14/13 12:41	10/15/13 21:32	1
Di-n-octyl phthalate	<2.18		9.43	2.18	ug/L		10/14/13 12:41	10/15/13 21:32	1
Fluoranthene	<0.327		1.89	0.327	ug/L		10/14/13 12:41	10/15/13 21:32	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW1 20-24'**

**Lab Sample ID: 490-37270-5**

**Date Collected: 10/08/13 16:30**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.298		1.89	0.298	ug/L		10/14/13 12:41	10/15/13 21:32	1
Hexachlorobenzene	<1.59		9.43	1.59	ug/L		10/14/13 12:41	10/15/13 21:32	1
Hexachlorobutadiene	<3.14		9.43	3.14	ug/L		10/14/13 12:41	10/15/13 21:32	1
Hexachlorocyclopentadiene	<3.14		9.43	3.14	ug/L		10/14/13 12:41	10/15/13 21:32	1
Hexachloroethane	<3.14		9.43	3.14	ug/L		10/14/13 12:41	10/15/13 21:32	1
Indeno[1,2,3-cd]pyrene	<0.359		1.89	0.359	ug/L		10/14/13 12:41	10/15/13 21:32	1
Isophorone	<1.17		9.43	1.17	ug/L		10/14/13 12:41	10/15/13 21:32	1
2-Methylnaphthalene	<0.293		1.89	0.293	ug/L		10/14/13 12:41	10/15/13 21:32	1
2-Methylphenol	<3.14		9.43	3.14	ug/L		10/14/13 12:41	10/15/13 21:32	1
3 & 4 Methylphenol	<3.14		9.43	3.14	ug/L		10/14/13 12:41	10/15/13 21:32	1
Naphthalene	<0.375		1.89	0.375	ug/L		10/14/13 12:41	10/15/13 21:32	1
2-Nitroaniline	<0.981		23.6	0.981	ug/L		10/14/13 12:41	10/15/13 21:32	1
3-Nitroaniline	<1.75		23.6	1.75	ug/L		10/14/13 12:41	10/15/13 21:32	1
4-Nitroaniline	<2.25		23.6	2.25	ug/L		10/14/13 12:41	10/15/13 21:32	1
Nitrobenzene	<1.17		9.43	1.17	ug/L		10/14/13 12:41	10/15/13 21:32	1
2-Nitrophenol	<1.48		9.43	1.48	ug/L		10/14/13 12:41	10/15/13 21:32	1
4-Nitrophenol	<3.14		23.6	3.14	ug/L		10/14/13 12:41	10/15/13 21:32	1
N-Nitrosodi-n-propylamine	<1.34		9.43	1.34	ug/L		10/14/13 12:41	10/15/13 21:32	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.36		9.43	1.36	ug/L		10/14/13 12:41	10/15/13 21:32	1
Pentachlorophenol	<1.56		23.6	1.56	ug/L		10/14/13 12:41	10/15/13 21:32	1
Phenanthrene	<0.324		1.89	0.324	ug/L		10/14/13 12:41	10/15/13 21:32	1
Phenol	<3.25		9.43	3.25	ug/L		10/14/13 12:41	10/15/13 21:32	1
Pyrene	<0.312		1.89	0.312	ug/L		10/14/13 12:41	10/15/13 21:32	1
1,2,4,5-Tetrachlorobenzene	<3.81		9.43	3.81	ug/L		10/14/13 12:41	10/15/13 21:32	1
2,3,4,6-Tetrachlorophenol	<3.42		9.43	3.42	ug/L		10/14/13 12:41	10/15/13 21:32	1
2,4,5-Trichlorophenol	<1.92		23.6	1.92	ug/L		10/14/13 12:41	10/15/13 21:32	1
2,4,6-Trichlorophenol	<1.66		9.43	1.66	ug/L		10/14/13 12:41	10/15/13 21:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	40		29 - 120	10/14/13 12:41	10/15/13 21:32	1
2-Fluorophenol (Surr)	24		10 - 120	10/14/13 12:41	10/15/13 21:32	1
Nitrobenzene-d5 (Surr)	52		27 - 120	10/14/13 12:41	10/15/13 21:32	1
Phenol-d5 (Surr)	18		10 - 120	10/14/13 12:41	10/15/13 21:32	1
Terphenyl-d14 (Surr)	29		13 - 120	10/14/13 12:41	10/15/13 21:32	1
2,4,6-Tribromophenol (Surr)	44		10 - 120	10/14/13 12:41	10/15/13 21:32	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00562		0.0238	0.00562	ug/L		10/10/13 08:04	10/10/13 15:49	1
alpha-BHC	<0.0106		0.0238	0.0106	ug/L		10/10/13 08:04	10/10/13 15:49	1
beta-BHC	<0.00667		0.0238	0.00667	ug/L		10/10/13 08:04	10/10/13 15:49	1
delta-BHC	<0.00733		0.0238	0.00733	ug/L		10/10/13 08:04	10/10/13 15:49	1
gamma-BHC (Lindane)	<0.00543		0.0238	0.00543	ug/L		10/10/13 08:04	10/10/13 15:49	1
alpha-Chlordane	<0.00505		0.0238	0.00505	ug/L		10/10/13 08:04	10/10/13 15:49	1
gamma-Chlordane	<0.0171		0.0238	0.0171	ug/L		10/10/13 08:04	10/10/13 15:49	1
Chlordane (technical)	<0.174		1.90	0.174	ug/L		10/10/13 08:04	10/10/13 15:49	1
4,4'-DDD	<0.00733		0.0238	0.00733	ug/L		10/10/13 08:04	10/10/13 15:49	1
4,4'-DDE	<0.00943		0.0238	0.00943	ug/L		10/10/13 08:04	10/10/13 15:49	1
4,4'-DDT	<0.00848		0.0238	0.00848	ug/L		10/10/13 08:04	10/10/13 15:49	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW1 20-24'**

**Lab Sample ID: 490-37270-5**

**Date Collected: 10/08/13 16:30**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00543		0.0238	0.00543	ug/L		10/10/13 08:04	10/10/13 15:49	1
Endosulfan I	<0.00743		0.0238	0.00743	ug/L		10/10/13 08:04	10/10/13 15:49	1
Endosulfan II	<0.00514		0.0238	0.00514	ug/L		10/10/13 08:04	10/10/13 15:49	1
Endosulfan sulfate	<0.00619		0.0238	0.00619	ug/L		10/10/13 08:04	10/10/13 15:49	1
Endrin	<0.00629		0.0238	0.00629	ug/L		10/10/13 08:04	10/10/13 15:49	1
Endrin aldehyde	<0.00829		0.0238	0.00829	ug/L		10/10/13 08:04	10/10/13 15:49	1
Endrin ketone	<0.00619		0.0238	0.00619	ug/L		10/10/13 08:04	10/10/13 15:49	1
Heptachlor	<0.00543		0.0238	0.00543	ug/L		10/10/13 08:04	10/10/13 15:49	1
Heptachlor epoxide	<0.00667		0.0238	0.00667	ug/L		10/10/13 08:04	10/10/13 15:49	1
Methoxychlor	<0.00505		0.0238	0.00505	ug/L		10/10/13 08:04	10/10/13 15:49	1
Toxaphene	<0.0393		1.90	0.0393	ug/L		10/10/13 08:04	10/10/13 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	18	X	38 - 150	10/10/13 08:04	10/10/13 15:49	1
DCB Decachlorobiphenyl (Surr)	6	X	10 - 141	10/10/13 08:04	10/10/13 15:49	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0462		0.472	0.0462	ug/L		10/10/13 09:23	10/10/13 20:32	1
PCB-1221	<0.245		0.472	0.245	ug/L		10/10/13 09:23	10/10/13 20:32	1
PCB-1232	<0.0660		0.472	0.0660	ug/L		10/10/13 09:23	10/10/13 20:32	1
PCB-1242	<0.0604		0.472	0.0604	ug/L		10/10/13 09:23	10/10/13 20:32	1
PCB-1248	<0.0651		0.472	0.0651	ug/L		10/10/13 09:23	10/10/13 20:32	1
PCB-1254	<0.00660		0.472	0.00660	ug/L		10/10/13 09:23	10/10/13 20:32	1
PCB-1260	<0.0113		0.472	0.0113	ug/L		10/10/13 09:23	10/10/13 20:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	15		10 - 150	10/10/13 09:23	10/10/13 20:32	1
Tetrachloro-m-xylene	74		10 - 150	10/10/13 09:23	10/10/13 20:32	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>32.7</b>		0.100	0.0680	mg/L		10/10/13 13:47	10/16/13 17:34	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Arsenic</b>	<b>0.0290</b>		0.0100	0.00470	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Barium</b>	<b>0.125</b>		0.0100	0.000500	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Beryllium</b>	<b>0.00440</b>		0.00400	0.000300	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Cadmium</b>	<b>0.00140</b>		0.00100	0.000200	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Calcium</b>	<b>128</b>		1.00	0.150	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Chromium</b>	<b>0.199</b>		0.00500	0.00120	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Cobalt</b>	<b>0.0166</b>		0.0100	0.000900	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Copper</b>	<b>0.0178</b>		0.0100	0.00700	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Iron</b>	<b>51.0</b>		0.100	0.0100	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Lead</b>	<b>0.0427</b>		0.00500	0.00350	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Magnesium</b>	<b>16.9</b>		1.00	0.0530	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Manganese</b>	<b>0.832</b>		0.0150	0.00200	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Nickel</b>	<b>0.0858</b>		0.0100	0.00130	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Potassium</b>	<b>7.88</b>	<b>B</b>	1.00	0.0880	mg/L		10/10/13 13:47	10/16/13 17:34	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/10/13 13:47	10/16/13 17:34	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/10/13 13:47	10/16/13 17:34	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW1 20-24'**

**Lab Sample ID: 490-37270-5**

Date Collected: 10/08/13 16:30

Matrix: Ground Water

Date Received: 10/09/13 08:15

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>37.2</b>	<b>B</b>	1.00	0.360	mg/L		10/10/13 13:47	10/16/13 17:34	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Vanadium</b>	<b>0.102</b>		0.0200	0.0150	mg/L		10/10/13 13:47	10/16/13 17:34	1
<b>Zinc</b>	<b>0.118</b>		0.0500	0.0100	mg/L		10/10/13 13:47	10/16/13 17:34	1

**Method: 6010C - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.0935</b>	<b>J</b>	0.100	0.0680	mg/L		10/16/13 09:22	10/17/13 16:46	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/16/13 09:22	10/17/13 16:46	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/16/13 09:22	10/17/13 16:46	1
<b>Barium</b>	<b>0.0312</b>		0.0100	0.000500	mg/L		10/16/13 09:22	10/17/13 16:46	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/16/13 09:22	10/17/13 16:46	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/16/13 09:22	10/17/13 16:46	1
<b>Calcium</b>	<b>57.4</b>		1.00	0.150	mg/L		10/16/13 09:22	10/17/13 16:46	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/16/13 09:22	10/17/13 16:46	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/16/13 09:22	10/17/13 16:46	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/16/13 09:22	10/17/13 16:46	1
Iron	<0.0100		0.100	0.0100	mg/L		10/16/13 09:22	10/17/13 16:46	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/16/13 09:22	10/17/13 16:46	1
<b>Magnesium</b>	<b>9.01</b>	<b>B</b>	1.00	0.0530	mg/L		10/16/13 09:22	10/17/13 16:46	1
<b>Manganese</b>	<b>0.133</b>		0.0150	0.00200	mg/L		10/16/13 09:22	10/17/13 16:46	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/16/13 09:22	10/17/13 16:46	1
<b>Potassium</b>	<b>4.68</b>	<b>B</b>	1.00	0.0880	mg/L		10/16/13 09:22	10/17/13 16:46	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/16/13 09:22	10/17/13 16:46	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/16/13 09:22	10/17/13 16:46	1
<b>Sodium</b>	<b>39.7</b>	<b>B</b>	1.00	0.360	mg/L		10/16/13 09:22	10/17/13 16:46	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/16/13 09:22	10/17/13 16:46	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/16/13 09:22	10/17/13 16:46	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/16/13 09:22	10/17/13 16:46	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/17/13 13:45	10/21/13 10:50	1

**Method: 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/22/13 06:42	10/22/13 12:33	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.0300		0.100	0.0300	mg/L			10/09/13 13:20	10

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB1 0-2'**

**Lab Sample ID: 490-37270-6**

**Date Collected: 10/08/13 15:00**

**Matrix: Soil**

**Date Received: 10/09/13 08:15**

**Percent Solids: 89.3**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0410		0.0512	0.0410	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Benzene	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Bromochloromethane	<0.000564		0.00205	0.000564	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Bromodichloromethane	<0.000564		0.00205	0.000564	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Bromoform	<0.000564		0.00205	0.000564	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Bromomethane	<0.00123		0.00205	0.00123	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
2-Butanone (MEK)	<0.00523		0.0512	0.00523	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Carbon disulfide	<0.00369		0.00512	0.00369	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Carbon tetrachloride	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Chlorobenzene	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Chlorodibromomethane	<0.000348		0.00205	0.000348	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Chloroethane	<0.00195		0.00512	0.00195	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Chloroform	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Chloromethane	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
cis-1,2-Dichloroethene	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
cis-1,3-Dichloropropene	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Cyclohexane	<0.00338		0.0102	0.00338	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,2-Dibromo-3-Chloropropane	<0.000717		0.00512	0.000717	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,2-Dibromoethane (EDB)	<0.00102		0.00205	0.00102	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,2-Dichlorobenzene	<0.000348		0.00205	0.000348	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,3-Dichlorobenzene	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,4-Dichlorobenzene	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Dichlorodifluoromethane	<0.00102		0.00205	0.00102	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,1-Dichloroethane	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,2-Dichloroethane	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,1-Dichloroethene	<0.000584		0.00205	0.000584	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,2-Dichloropropane	<0.000963		0.00205	0.000963	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Ethylbenzene	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
2-Hexanone	<0.0171		0.0512	0.0171	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Isopropylbenzene	<0.000420		0.00205	0.000420	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Methyl acetate	<0.00246		0.0102	0.00246	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Methylcyclohexane	<0.00338		0.0102	0.00338	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Methylene Chloride	<0.000881		0.0102	0.000881	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
4-Methyl-2-pentanone (MIBK)	<0.0174		0.0512	0.0174	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Methyl tert-butyl ether	<0.000984		0.00205	0.000984	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Styrene	<0.00113		0.00205	0.00113	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,1,2,2-Tetrachloroethane	<0.00102		0.00205	0.00102	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Tetrachloroethene	<0.000748		0.00205	0.000748	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Toluene	<0.000758		0.00205	0.000758	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
trans-1,2-Dichloroethene	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
trans-1,3-Dichloropropene	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,2,3-Trichlorobenzene	<0.000389		0.00205	0.000389	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,2,4-Trichlorobenzene	<0.000687		0.00205	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,1,1-Trichloroethane	<0.000943		0.00205	0.000943	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,1,2-Trichloroethane	<0.00143		0.00512	0.00143	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Trichloroethene	<0.000984		0.00205	0.000984	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Trichlorofluoromethane	<0.00102		0.00205	0.00102	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000810		0.00205	0.000810	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
Vinyl chloride	<0.00113		0.00205	0.00113	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB1 0-2'**

**Lab Sample ID: 490-37270-6**

Date Collected: 10/08/13 15:00

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 89.3

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000687		0.00307	0.000687	mg/Kg	☼	10/09/13 13:01	10/15/13 14:47	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	101		70 - 130				10/09/13 13:01	10/15/13 14:47	1
Dibromofluoromethane (Surr)	96		70 - 130				10/09/13 13:01	10/15/13 14:47	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 130				10/09/13 13:01	10/15/13 14:47	1
Toluene-d8 (Surr)	113		70 - 130				10/09/13 13:01	10/15/13 14:47	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00996		0.0667	0.00996	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Acenaphthylene	<0.00896		0.0667	0.00896	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Acetophenone	<0.0697		0.332	0.0697	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Anthracene	<0.00896		0.0667	0.00896	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Atrazine	<0.166 *		0.332	0.166	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Benzaldehyde	<0.285		1.66	0.285	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Benzo[a]anthracene	<0.0149		0.0667	0.0149	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Benzo[a]pyrene	<0.0120		0.0667	0.0120	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Benzo[b]fluoranthene	<0.0120		0.0667	0.0120	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Benzo[g,h,i]perylene	<0.00896		0.0667	0.00896	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Benzo[k]fluoranthene	<0.0139		0.0667	0.0139	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Biphenyl	<0.104		0.332	0.104	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Bis(2-chloroethoxy)methane	<0.0120		0.332	0.0120	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Bis(2-chloroethyl)ether	<0.0199		0.332	0.0199	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
bis (2-chloroisopropyl) ether	<0.133		0.332	0.133	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.0905 J</b>		0.332	0.0129	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
4-Bromophenyl phenyl ether	<0.0169		0.332	0.0169	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Butyl benzyl phthalate	<0.0159		0.332	0.0159	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Caprolactam	<0.108		0.332	0.108	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Carbazole	<0.00697		0.332	0.00697	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
4-Chloroaniline	<0.165		0.332	0.165	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
4-Chloro-3-methylphenol	<0.0159		0.332	0.0159	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2-Chloronaphthalene	<0.0169		0.332	0.0169	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2-Chlorophenol	<0.0149		0.332	0.0149	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
4-Chlorophenyl phenyl ether	<0.0239		0.332	0.0239	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Chrysene	<0.00896		0.0667	0.00896	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Dibenz(a,h)anthracene	<0.00697		0.0667	0.00697	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Dibenzofuran	<0.0129		0.332	0.0129	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
3,3'-Dichlorobenzidine	<0.132		0.664	0.132	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2,4-Dichlorophenol	<0.0169		0.332	0.0169	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Diethyl phthalate	<0.0139		0.332	0.0139	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2,4-Dimethylphenol	<0.191		0.332	0.191	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Dimethyl phthalate	<0.00797		1.66	0.00797	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Di-n-butyl phthalate	<0.0129		0.332	0.0129	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
4,6-Dinitro-2-methylphenol	<0.103		0.332	0.103	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2,4-Dinitrophenol	<0.110		0.332	0.110	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2,4-Dinitrotoluene	<0.00896		0.332	0.00896	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2,6-Dinitrotoluene	<0.0309		0.332	0.0309	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Di-n-octyl phthalate	<0.0129		0.332	0.0129	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Fluoranthene	<0.00896		0.0667	0.00896	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB1 0-2'**

**Lab Sample ID: 490-37270-6**

Date Collected: 10/08/13 15:00

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 89.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0120		0.0667	0.0120	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Hexachlorobenzene	<0.0289		0.332	0.0289	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Hexachlorobutadiene	<0.0697		0.332	0.0697	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Hexachlorocyclopentadiene	<0.0159		0.332	0.0159	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Hexachloroethane	<0.0199		0.332	0.0199	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Indeno[1,2,3-cd]pyrene	<0.00996		0.0667	0.00996	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Isophorone	<0.0588		0.332	0.0588	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2-Methylnaphthalene	<0.0159		0.0667	0.0159	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2-Methylphenol	<0.0926		0.332	0.0926	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
3 & 4 Methylphenol	<0.0199		0.332	0.0199	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Naphthalene	<0.00896		0.0667	0.00896	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2-Nitroaniline	<0.0179		0.830	0.0179	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
3-Nitroaniline	<0.147		0.830	0.147	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
4-Nitroaniline	<0.0299		0.830	0.0299	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Nitrobenzene	<0.0169		0.332	0.0169	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2-Nitrophenol	<0.0129		0.332	0.0129	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
4-Nitrophenol	<0.0149		0.332	0.0149	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
N-Nitrosodi-n-propylamine	<0.0209		0.332	0.0209	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0159		0.332	0.0159	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Pentachlorophenol	<0.124		0.830	0.124	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Phenanthrene	<0.00896		0.0667	0.00896	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Phenol	<0.0139		0.332	0.0139	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Pyrene	<0.0120		0.0667	0.0120	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
1,2,4,5-Tetrachlorobenzene	<0.257		1.66	0.257	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2,3,4,6-Tetrachlorophenol	<0.168		0.332	0.168	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2,4,5-Trichlorophenol	<0.0169		0.830	0.0169	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
2,4,6-Trichlorophenol	<0.0249		0.332	0.0249	mg/Kg	☼	10/14/13 09:19	10/16/13 02:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		29 - 120				10/14/13 09:19	10/16/13 02:17	1
2-Fluorophenol (Surr)	62		10 - 120				10/14/13 09:19	10/16/13 02:17	1
Nitrobenzene-d5 (Surr)	60		27 - 120				10/14/13 09:19	10/16/13 02:17	1
Phenol-d5 (Surr)	67		10 - 120				10/14/13 09:19	10/16/13 02:17	1
Terphenyl-d14 (Surr)	80		13 - 120				10/14/13 09:19	10/16/13 02:17	1
2,4,6-Tribromophenol (Surr)	78		10 - 120				10/14/13 09:19	10/16/13 02:17	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000309		0.00169	0.000309	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
alpha-BHC	<0.000199		0.00169	0.000199	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
beta-BHC	<0.00199		0.00329	0.00199	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
delta-BHC	<0.000379		0.00169	0.000379	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
gamma-BHC (Lindane)	<0.000389		0.00169	0.000389	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
alpha-Chlordane	<0.000429		0.00169	0.000429	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
gamma-Chlordane	<0.000788		0.00169	0.000788	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
Chlordane (technical)	<0.0362		0.0665	0.0362	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
4,4'-DDD	<0.000429		0.00169	0.000429	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
4,4'-DDE	<0.000499		0.00169	0.000499	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
4,4'-DDT	<0.000847		0.00169	0.000847	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB1 0-2'**

**Lab Sample ID: 490-37270-6**

Date Collected: 10/08/13 15:00

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 89.3

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000399		0.00169	0.000399	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
Endosulfan I	<0.000469		0.00169	0.000469	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
Endosulfan II	<0.000548		0.00169	0.000548	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
Endosulfan sulfate	<0.000499		0.00169	0.000499	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
Endrin	<0.000429		0.00169	0.000429	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
Endrin aldehyde	<0.000508		0.00169	0.000508	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
Endrin ketone	<0.000588		0.00169	0.000588	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
Heptachlor	<0.000419		0.00169	0.000419	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
Heptachlor epoxide	<0.000648		0.00169	0.000648	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1
Methoxychlor	<0.000489		0.00329	0.000489	mg/Kg	☼	10/14/13 06:57	10/18/13 16:38	1
Toxaphene	<0.0421		0.0665	0.0421	mg/Kg	☼	10/14/13 06:57	10/15/13 15:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	63		21 - 145	10/14/13 06:57	10/15/13 15:48	1
DCB Decachlorobiphenyl (Surr)	69		25 - 150	10/14/13 06:57	10/15/13 15:48	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0112		0.0372	0.0112	mg/Kg	☼	10/10/13 07:37	10/12/13 18:10	1
PCB-1221	<0.0112		0.0372	0.0112	mg/Kg	☼	10/10/13 07:37	10/12/13 18:10	1
PCB-1232	<0.0224		0.0372	0.0224	mg/Kg	☼	10/10/13 07:37	10/12/13 18:10	1
PCB-1242	<0.0112		0.0372	0.0112	mg/Kg	☼	10/10/13 07:37	10/12/13 18:10	1
PCB-1248	<0.0112		0.0372	0.0112	mg/Kg	☼	10/10/13 07:37	10/12/13 18:10	1
PCB-1254	<0.0112		0.0372	0.0112	mg/Kg	☼	10/10/13 07:37	10/12/13 18:10	1
PCB-1260	<0.0112		0.0372	0.0112	mg/Kg	☼	10/10/13 07:37	10/12/13 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	76		20 - 150	10/10/13 07:37	10/12/13 18:10	1
Tetrachloro-m-xylene	91		19 - 147	10/10/13 07:37	10/12/13 18:10	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>12500</b>		21.6	17.3	mg/Kg	☼	10/17/13 09:42	10/18/13 10:24	1
Antimony	<1.51		10.8	1.51	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Arsenic</b>	<b>3.61</b>		2.16	1.03	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Barium</b>	<b>29.2</b>		2.16	0.216	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Beryllium</b>	<b>0.195 J</b>		1.08	0.108	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Cadmium</b>	<b>1.34</b>		1.08	0.108	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Calcium</b>	<b>370</b>		216	47.6	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Chromium</b>	<b>14.1</b>		1.08	0.324	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Cobalt</b>	<b>0.778 J</b>		2.16	0.324	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
Copper	<1.84		2.16	1.84	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Iron</b>	<b>11600 B</b>		21.6	1.62	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Lead</b>	<b>8.56</b>		1.08	0.757	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Magnesium</b>	<b>638</b>		216	14.1	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Manganese</b>	<b>22.1 B</b>		3.24	0.357	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Nickel</b>	<b>3.33</b>		2.16	0.324	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
<b>Potassium</b>	<b>218</b>		216	21.6	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
Selenium	<1.62		2.16	1.62	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
Silver	<0.324		1.08	0.324	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB1 0-2'**

**Lab Sample ID: 490-37270-6**

**Date Collected: 10/08/13 15:00**

**Matrix: Soil**

**Date Received: 10/09/13 08:15**

**Percent Solids: 89.3**

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	31.1	J	216	21.6	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
Thallium	<1.30		2.16	1.30	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
Vanadium	21.5		10.8	3.35	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1
Zinc	6.18	J	10.8	1.08	mg/Kg	☼	10/17/13 09:42	10/17/13 21:26	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0879	J	0.113	0.0338	mg/Kg	☼	10/22/13 13:44	10/23/13 10:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	0.639	J	1.01	0.303	mg/Kg	☼	10/11/13 14:33	10/16/13 09:42	1
Percent Solids	89		0.10	0.10	%			10/09/13 12:32	1



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB1 4-8'**

**Lab Sample ID: 490-37270-7**

**Date Collected: 10/08/13 15:15**

**Matrix: Soil**

**Date Received: 10/09/13 08:15**

**Percent Solids: 87.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0426		0.0533	0.0426	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Benzene	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Bromochloromethane	<0.000586		0.00213	0.000586	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Bromodichloromethane	<0.000586		0.00213	0.000586	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Bromoform	<0.000586		0.00213	0.000586	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Bromomethane	<0.00128		0.00213	0.00128	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
2-Butanone (MEK)	<0.00544		0.0533	0.00544	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Carbon disulfide	<0.00384		0.00533	0.00384	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Carbon tetrachloride	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Chlorobenzene	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Chlorodibromomethane	<0.000363		0.00213	0.000363	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Chloroethane	<0.00203		0.00533	0.00203	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Chloroform	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Chloromethane	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
cis-1,2-Dichloroethene	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
cis-1,3-Dichloropropene	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Cyclohexane	<0.00352		0.0107	0.00352	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,2-Dibromo-3-Chloropropane	<0.000746		0.00533	0.000746	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,2-Dibromoethane (EDB)	<0.00107		0.00213	0.00107	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,2-Dichlorobenzene	<0.000363		0.00213	0.000363	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,3-Dichlorobenzene	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,4-Dichlorobenzene	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Dichlorodifluoromethane	<0.00107		0.00213	0.00107	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,1-Dichloroethane	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,2-Dichloroethane	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,1-Dichloroethene	<0.000608		0.00213	0.000608	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,2-Dichloropropane	<0.00100		0.00213	0.00100	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Ethylbenzene	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
2-Hexanone	<0.0178		0.0533	0.0178	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Isopropylbenzene	<0.000437		0.00213	0.000437	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Methyl acetate	<0.00256	*	0.0107	0.00256	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Methylcyclohexane	<0.00352		0.0107	0.00352	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
<b>Methylene Chloride</b>	<b>0.00116</b>	<b>J</b>	0.0107	0.000917	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
4-Methyl-2-pentanone (MIBK)	<0.0181		0.0533	0.0181	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Methyl tert-butyl ether	<0.00102		0.00213	0.00102	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Styrene	<0.00117		0.00213	0.00117	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,1,2,2-Tetrachloroethane	<0.00107		0.00213	0.00107	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Tetrachloroethene	<0.000778		0.00213	0.000778	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Toluene	<0.000789		0.00213	0.000789	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
trans-1,2-Dichloroethene	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
trans-1,3-Dichloropropene	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,2,3-Trichlorobenzene	<0.000405		0.00213	0.000405	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,2,4-Trichlorobenzene	<0.000714		0.00213	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,1,1-Trichloroethane	<0.000981		0.00213	0.000981	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,1,2-Trichloroethane	<0.00149		0.00533	0.00149	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Trichloroethene	<0.00102		0.00213	0.00102	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Trichlorofluoromethane	<0.00107		0.00213	0.00107	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000842		0.00213	0.000842	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
Vinyl chloride	<0.00117		0.00213	0.00117	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB1 4-8'**

**Lab Sample ID: 490-37270-7**

**Date Collected: 10/08/13 15:15**

**Matrix: Soil**

**Date Received: 10/09/13 08:15**

**Percent Solids: 87.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000714		0.00320	0.000714	mg/Kg	☼	10/09/13 13:01	10/16/13 15:25	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	108		70 - 130				10/09/13 13:01	10/16/13 15:25	1
Dibromofluoromethane (Surr)	99		70 - 130				10/09/13 13:01	10/16/13 15:25	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 130				10/09/13 13:01	10/16/13 15:25	1
Toluene-d8 (Surr)	107		70 - 130				10/09/13 13:01	10/16/13 15:25	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00981		0.0657	0.00981	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Acenaphthylene	<0.00883		0.0657	0.00883	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Acetophenone	<0.0687		0.327	0.0687	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Anthracene	<0.00883		0.0657	0.00883	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Atrazine	<0.164 *		0.327	0.164	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Benzaldehyde	<0.281		1.64	0.281	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Benzo[a]anthracene	<0.0147		0.0657	0.0147	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Benzo[a]pyrene	<0.0118		0.0657	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Benzo[b]fluoranthene	<0.0118		0.0657	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Benzo[g,h,i]perylene	<0.00883		0.0657	0.00883	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Benzo[k]fluoranthene	<0.0137		0.0657	0.0137	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Biphenyl	<0.102		0.327	0.102	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Bis(2-chloroethoxy)methane	<0.0118		0.327	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Bis(2-chloroethyl)ether	<0.0196		0.327	0.0196	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
bis (2-chloroisopropyl) ether	<0.131		0.327	0.131	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Bis(2-ethylhexyl) phthalate	<0.0128		0.327	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
4-Bromophenyl phenyl ether	<0.0167		0.327	0.0167	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Butyl benzyl phthalate	<0.0157		0.327	0.0157	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Caprolactam	<0.106		0.327	0.106	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Carbazole	<0.00687		0.327	0.00687	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
4-Chloroaniline	<0.163		0.327	0.163	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
4-Chloro-3-methylphenol	<0.0157		0.327	0.0157	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2-Chloronaphthalene	<0.0167		0.327	0.0167	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2-Chlorophenol	<0.0147		0.327	0.0147	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
4-Chlorophenyl phenyl ether	<0.0235		0.327	0.0235	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Chrysene	<0.00883		0.0657	0.00883	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Dibenz(a,h)anthracene	<0.00687		0.0657	0.00687	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Dibenzofuran	<0.0128		0.327	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
3,3'-Dichlorobenzidine	<0.130		0.654	0.130	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2,4-Dichlorophenol	<0.0167		0.327	0.0167	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Diethyl phthalate	<0.0137		0.327	0.0137	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2,4-Dimethylphenol	<0.188		0.327	0.188	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
<b>Dimethyl phthalate</b>	<b>0.0382 J</b>		1.64	0.00785	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Di-n-butyl phthalate	<0.0128		0.327	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
4,6-Dinitro-2-methylphenol	<0.101		0.327	0.101	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2,4-Dinitrophenol	<0.108		0.327	0.108	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2,4-Dinitrotoluene	<0.00883		0.327	0.00883	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2,6-Dinitrotoluene	<0.0304		0.327	0.0304	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Di-n-octyl phthalate	<0.0128		0.327	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Fluoranthene	<0.00883		0.0657	0.00883	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB1 4-8'**

**Lab Sample ID: 490-37270-7**

Date Collected: 10/08/13 15:15

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 87.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0118		0.0657	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Hexachlorobenzene	<0.0284		0.327	0.0284	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Hexachlorobutadiene	<0.0687		0.327	0.0687	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Hexachlorocyclopentadiene	<0.0157		0.327	0.0157	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Hexachloroethane	<0.0196		0.327	0.0196	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Indeno[1,2,3-cd]pyrene	<0.00981		0.0657	0.00981	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Isophorone	<0.0579		0.327	0.0579	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2-Methylnaphthalene	<0.0157		0.0657	0.0157	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2-Methylphenol	<0.0912		0.327	0.0912	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
3 & 4 Methylphenol	<0.0196		0.327	0.0196	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Naphthalene	<0.00883		0.0657	0.00883	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2-Nitroaniline	<0.0177		0.817	0.0177	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
3-Nitroaniline	<0.145		0.817	0.145	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
4-Nitroaniline	<0.0294		0.817	0.0294	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Nitrobenzene	<0.0167		0.327	0.0167	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2-Nitrophenol	<0.0128		0.327	0.0128	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
4-Nitrophenol	<0.0147		0.327	0.0147	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
N-Nitrosodi-n-propylamine	<0.0206		0.327	0.0206	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0157		0.327	0.0157	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Pentachlorophenol	<0.123		0.817	0.123	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Phenanthrene	<0.00883		0.0657	0.00883	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Phenol	<0.0137		0.327	0.0137	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Pyrene	<0.0118		0.0657	0.0118	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
1,2,4,5-Tetrachlorobenzene	<0.253		1.64	0.253	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2,3,4,6-Tetrachlorophenol	<0.166		0.327	0.166	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2,4,5-Trichlorophenol	<0.0167		0.817	0.0167	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
2,4,6-Trichlorophenol	<0.0245		0.327	0.0245	mg/Kg	☼	10/14/13 09:19	10/16/13 02:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	45		29 - 120				10/14/13 09:19	10/16/13 02:40	1
2-Fluorophenol (Surr)	43		10 - 120				10/14/13 09:19	10/16/13 02:40	1
Nitrobenzene-d5 (Surr)	42		27 - 120				10/14/13 09:19	10/16/13 02:40	1
Phenol-d5 (Surr)	48		10 - 120				10/14/13 09:19	10/16/13 02:40	1
Terphenyl-d14 (Surr)	64		13 - 120				10/14/13 09:19	10/16/13 02:40	1
2,4,6-Tribromophenol (Surr)	60		10 - 120				10/14/13 09:19	10/16/13 02:40	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000307		0.00168	0.000307	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
alpha-BHC	<0.000198		0.00168	0.000198	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
beta-BHC	<0.00198		0.00327	0.00198	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
delta-BHC	<0.000376		0.00168	0.000376	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
gamma-BHC (Lindane)	<0.000386		0.00168	0.000386	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
alpha-Chlordane	<0.000426		0.00168	0.000426	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
gamma-Chlordane	<0.000782		0.00168	0.000782	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
Chlordane (technical)	<0.0359		0.0660	0.0359	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
4,4'-DDD	<0.000426		0.00168	0.000426	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
4,4'-DDE	<0.000495		0.00168	0.000495	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
4,4'-DDT	<0.000841		0.00168	0.000841	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB1 4-8'**

**Lab Sample ID: 490-37270-7**

Date Collected: 10/08/13 15:15

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 87.1

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000396		0.00168	0.000396	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
Endosulfan I	<0.000465		0.00168	0.000465	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
Endosulfan II	<0.000544		0.00168	0.000544	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
Endosulfan sulfate	<0.000495		0.00168	0.000495	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
Endrin	<0.000426		0.00168	0.000426	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
Endrin aldehyde	<0.000505		0.00168	0.000505	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
Endrin ketone	<0.000584		0.00168	0.000584	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
Heptachlor	<0.000416		0.00168	0.000416	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
Heptachlor epoxide	<0.000643		0.00168	0.000643	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1
Methoxychlor	<0.000485		0.00327	0.000485	mg/Kg	☼	10/14/13 06:57	10/18/13 16:50	1
Toxaphene	<0.0418		0.0660	0.0418	mg/Kg	☼	10/14/13 06:57	10/15/13 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	72		21 - 145	10/14/13 06:57	10/15/13 16:00	1
DCB Decachlorobiphenyl (Surr)	84		25 - 150	10/14/13 06:57	10/15/13 16:00	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0114		0.0379	0.0114	mg/Kg	☼	10/10/13 07:37	10/12/13 18:31	1
PCB-1221	<0.0114		0.0379	0.0114	mg/Kg	☼	10/10/13 07:37	10/12/13 18:31	1
PCB-1232	<0.0228		0.0379	0.0228	mg/Kg	☼	10/10/13 07:37	10/12/13 18:31	1
PCB-1242	<0.0114		0.0379	0.0114	mg/Kg	☼	10/10/13 07:37	10/12/13 18:31	1
PCB-1248	<0.0114		0.0379	0.0114	mg/Kg	☼	10/10/13 07:37	10/12/13 18:31	1
PCB-1254	<0.0114		0.0379	0.0114	mg/Kg	☼	10/10/13 07:37	10/12/13 18:31	1
PCB-1260	<0.0114		0.0379	0.0114	mg/Kg	☼	10/10/13 07:37	10/12/13 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	79		20 - 150	10/10/13 07:37	10/12/13 18:31	1
Tetrachloro-m-xylene	98		19 - 147	10/10/13 07:37	10/12/13 18:31	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>9040</b>		22.8	18.2	mg/Kg	☼	10/17/13 09:42	10/18/13 10:28	1
Antimony	<1.59		11.4	1.59	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Arsenic</b>	<b>3.05</b>		2.28	1.08	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Barium</b>	<b>29.6</b>		2.28	0.228	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Beryllium</b>	<b>0.273 J</b>		1.14	0.114	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Cadmium</b>	<b>1.18</b>		1.14	0.114	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Calcium</b>	<b>420</b>		228	50.1	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Chromium</b>	<b>10.2</b>		1.14	0.342	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Cobalt</b>	<b>1.02 J</b>		2.28	0.342	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
Copper	<1.94		2.28	1.94	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Iron</b>	<b>10400 B</b>		22.8	1.71	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Lead</b>	<b>5.97</b>		1.14	0.797	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Magnesium</b>	<b>761</b>		228	14.8	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Manganese</b>	<b>23.9 B</b>		3.42	0.376	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Nickel</b>	<b>2.57</b>		2.28	0.342	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
<b>Potassium</b>	<b>253</b>		228	22.8	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
Selenium	<1.71		2.28	1.71	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
Silver	<0.342		1.14	0.342	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB1 4-8'**

**Lab Sample ID: 490-37270-7**

Date Collected: 10/08/13 15:15

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 87.1

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	31.8	J	228	22.8	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
Thallium	<1.37		2.28	1.37	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
Vanadium	12.9		11.4	3.53	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1
Zinc	6.67	J	11.4	1.14	mg/Kg	☼	10/17/13 09:42	10/17/13 21:31	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0333		0.111	0.0333	mg/Kg	☼	10/22/13 13:45	10/23/13 10:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	0.804	J	1.02	0.307	mg/Kg	☼	10/11/13 14:33	10/16/13 09:42	1
Percent Solids	87		0.10	0.10	%			10/09/13 12:32	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37270-8**

**Date Collected: 10/08/13 00:01**

**Matrix: Water**

**Date Received: 10/09/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/15/13 09:36	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 09:36	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 09:36	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 09:36	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 09:36	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 09:36	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 09:36	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/15/13 09:36	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 09:36	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 09:36	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 09:36	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 09:36	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 09:36	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 09:36	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 09:36	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 09:36	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 09:36	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 09:36	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 09:36	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 09:36	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 09:36	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 09:36	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 09:36	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 09:36	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 09:36	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 09:36	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 09:36	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 09:36	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 09:36	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 09:36	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 09:36	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 09:36	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/15/13 09:36	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 09:36	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 09:36	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 09:36	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 09:36	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 09:36	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 09:36	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 09:36	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 09:36	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 09:36	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 09:36	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 09:36	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 09:36	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 09:36	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 09:36	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 09:36	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 09:36	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
 Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
 SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37270-8**

**Date Collected: 10/08/13 00:01**

**Matrix: Water**

**Date Received: 10/09/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 09:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130					10/15/13 09:36	1
Dibromofluoromethane (Surr)	103		70 - 130					10/15/13 09:36	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 130					10/15/13 09:36	1
Toluene-d8 (Surr)	96		70 - 130					10/15/13 09:36	1



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37270-9**

Date Collected: 10/08/13 00:01

Matrix: Water

Date Received: 10/09/13 08:15

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/15/13 10:04	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 10:04	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 10:04	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 10:04	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 10:04	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 10:04	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 10:04	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/15/13 10:04	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 10:04	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 10:04	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 10:04	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 10:04	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 10:04	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 10:04	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 10:04	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 10:04	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 10:04	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 10:04	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 10:04	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 10:04	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 10:04	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 10:04	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 10:04	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 10:04	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 10:04	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 10:04	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 10:04	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 10:04	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 10:04	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 10:04	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 10:04	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 10:04	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/15/13 10:04	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 10:04	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 10:04	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 10:04	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 10:04	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 10:04	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 10:04	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 10:04	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 10:04	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 10:04	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 10:04	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 10:04	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 10:04	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 10:04	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 10:04	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 10:04	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 10:04	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37270-9**

Date Collected: 10/08/13 00:01

Matrix: Water

Date Received: 10/09/13 08:15

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 10:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130					10/15/13 10:04	1
Dibromofluoromethane (Surr)	101		70 - 130					10/15/13 10:04	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 130					10/15/13 10:04	1
Toluene-d8 (Surr)	96		70 - 130					10/15/13 10:04	1



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-114170/7**

**Matrix: Water**

**Analysis Batch: 114170**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/15/13 04:28	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 04:28	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 04:28	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 04:28	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 04:28	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 04:28	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 04:28	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/15/13 04:28	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 04:28	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 04:28	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 04:28	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 04:28	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 04:28	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 04:28	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 04:28	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 04:28	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 04:28	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 04:28	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 04:28	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 04:28	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 04:28	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 04:28	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 04:28	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 04:28	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 04:28	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 04:28	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 04:28	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 04:28	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 04:28	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 04:28	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 04:28	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 04:28	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/15/13 04:28	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 04:28	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 04:28	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 04:28	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 04:28	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 04:28	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 04:28	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 04:28	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 04:28	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 04:28	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 04:28	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 04:28	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 04:28	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 04:28	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 04:28	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 04:28	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114170/7**

**Matrix: Water**

**Analysis Batch: 114170**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 04:28	1
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 04:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		10/15/13 04:28	1
Dibromofluoromethane (Surr)	99		70 - 130		10/15/13 04:28	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 130		10/15/13 04:28	1
Toluene-d8 (Surr)	95		70 - 130		10/15/13 04:28	1

**Lab Sample ID: LCS 490-114170/3**

**Matrix: Water**

**Analysis Batch: 114170**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	229.4		ug/L		92	54 - 145
Benzene	50.0	43.90		ug/L		88	80 - 121
Bromochloromethane	50.0	45.64		ug/L		91	78 - 129
Bromodichloromethane	50.0	45.98		ug/L		92	75 - 129
Bromoform	50.0	45.94		ug/L		92	46 - 145
Bromomethane	50.0	48.50		ug/L		97	41 - 150
2-Butanone (MEK)	250	215.6		ug/L		86	62 - 133
Carbon disulfide	50.0	43.24		ug/L		86	77 - 126
Carbon tetrachloride	50.0	48.39		ug/L		97	64 - 147
Chlorobenzene	50.0	45.30		ug/L		91	80 - 120
Chlorodibromomethane	50.0	46.84		ug/L		94	69 - 133
Chloroethane	50.0	45.20		ug/L		90	72 - 120
Chloroform	50.0	45.12		ug/L		90	73 - 129
Chloromethane	50.0	32.29		ug/L		65	12 - 150
cis-1,2-Dichloroethene	50.0	41.70		ug/L		83	76 - 125
cis-1,3-Dichloropropene	50.0	43.88		ug/L		88	74 - 140
Cyclohexane	50.0	39.82		ug/L		80	73 - 122
1,2-Dibromo-3-Chloropropane	50.0	49.64		ug/L		99	54 - 125
1,2-Dibromoethane (EDB)	50.0	45.29		ug/L		91	80 - 129
1,2-Dichlorobenzene	50.0	45.37		ug/L		91	80 - 121
1,3-Dichlorobenzene	50.0	44.69		ug/L		89	80 - 122
1,4-Dichlorobenzene	50.0	45.31		ug/L		91	80 - 120
Dichlorodifluoromethane	50.0	52.39		ug/L		105	37 - 127
1,1-Dichloroethane	50.0	41.15		ug/L		82	78 - 125
1,2-Dichloroethane	50.0	39.79		ug/L		80	77 - 121
1,1-Dichloroethene	50.0	47.99		ug/L		96	79 - 124
1,2-Dichloropropane	50.0	39.91		ug/L		80	75 - 120
Ethylbenzene	50.0	44.02		ug/L		88	80 - 130
2-Hexanone	250	205.7		ug/L		82	60 - 142
Isopropylbenzene	50.0	42.79		ug/L		86	80 - 141
Methyl acetate	250	169.0		ug/L		68	64 - 150
Methylcyclohexane	50.0	45.27		ug/L		91	71 - 129
Methylene Chloride	50.0	43.35		ug/L		87	79 - 123
4-Methyl-2-pentanone (MIBK)	250	200.7		ug/L		80	60 - 137

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114170/3**

**Matrix: Water**

**Analysis Batch: 114170**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	43.79		ug/L		88	72 - 133
Styrene	50.0	44.84		ug/L		90	80 - 127
1,1,2,2-Tetrachloroethane	50.0	41.10		ug/L		82	69 - 131
Tetrachloroethene	50.0	44.77		ug/L		90	80 - 126
Toluene	50.0	44.30		ug/L		89	80 - 126
trans-1,2-Dichloroethene	50.0	40.14		ug/L		80	79 - 126
trans-1,3-Dichloropropene	50.0	42.37		ug/L		85	63 - 134
1,2,3-Trichlorobenzene	50.0	46.30		ug/L		93	62 - 133
1,2,4-Trichlorobenzene	50.0	48.56		ug/L		97	63 - 133
1,1,1-Trichloroethane	50.0	45.12		ug/L		90	78 - 135
1,1,2-Trichloroethane	50.0	43.13		ug/L		86	80 - 124
Trichloroethene	50.0	48.71		ug/L		97	80 - 123
Trichlorofluoromethane	50.0	52.79		ug/L		106	65 - 124
1,1,2-Trichloro-1,2,2-trichfluoroethane	50.0	47.28		ug/L		95	77 - 129
Vinyl chloride	50.0	47.19		ug/L		94	68 - 120
Xylenes, Total	100	84.69		ug/L		85	80 - 132

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	86		70 - 130
Toluene-d8 (Surr)	94		70 - 130

**Lab Sample ID: LCSD 490-114170/4**

**Matrix: Water**

**Analysis Batch: 114170**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Acetone	250	221.5		ug/L		89	54 - 145	4	21
Benzene	50.0	44.38		ug/L		89	80 - 121	1	17
Bromochloromethane	50.0	46.30		ug/L		93	78 - 129	1	17
Bromodichloromethane	50.0	46.01		ug/L		92	75 - 129	0	18
Bromoform	50.0	46.07		ug/L		92	46 - 145	0	16
Bromomethane	50.0	45.63		ug/L		91	41 - 150	6	50
2-Butanone (MEK)	250	221.5		ug/L		89	62 - 133	3	19
Carbon disulfide	50.0	43.09		ug/L		86	77 - 126	0	21
Carbon tetrachloride	50.0	48.30		ug/L		97	64 - 147	0	19
Chlorobenzene	50.0	45.12		ug/L		90	80 - 120	0	14
Chlorodibromomethane	50.0	47.51		ug/L		95	69 - 133	1	15
Chloroethane	50.0	44.47		ug/L		89	72 - 120	2	20
Chloroform	50.0	45.28		ug/L		91	73 - 129	0	18
Chloromethane	50.0	31.33		ug/L		63	12 - 150	3	31
cis-1,2-Dichloroethene	50.0	42.63		ug/L		85	76 - 125	2	17
cis-1,3-Dichloropropene	50.0	43.55		ug/L		87	74 - 140	1	15
Cyclohexane	50.0	39.79		ug/L		80	73 - 122	0	16
1,2-Dibromo-3-Chloropropane	50.0	49.24		ug/L		98	54 - 125	1	24
1,2-Dibromoethane (EDB)	50.0	45.40		ug/L		91	80 - 129	0	15

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-114170/4**

**Matrix: Water**

**Analysis Batch: 114170**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							RPD	Limit		
1,2-Dichlorobenzene	50.0	44.59		ug/L		89	80 - 121	2	15	
1,3-Dichlorobenzene	50.0	44.01		ug/L		88	80 - 122	2	15	
1,4-Dichlorobenzene	50.0	44.09		ug/L		88	80 - 120	3	15	
Dichlorodifluoromethane	50.0	47.80		ug/L		96	37 - 127	9	18	
1,1-Dichloroethane	50.0	41.31		ug/L		83	78 - 125	0	17	
1,2-Dichloroethane	50.0	39.94		ug/L		80	77 - 121	0	17	
1,1-Dichloroethene	50.0	47.86		ug/L		96	79 - 124	0	17	
1,2-Dichloropropane	50.0	40.26		ug/L		81	75 - 120	1	17	
Ethylbenzene	50.0	43.22		ug/L		86	80 - 130	2	15	
2-Hexanone	250	204.2		ug/L		82	60 - 142	1	15	
Isopropylbenzene	50.0	42.55		ug/L		85	80 - 141	1	16	
Methyl acetate	250	168.0		ug/L		67	64 - 150	1	31	
Methylcyclohexane	50.0	45.62		ug/L		91	71 - 129	1	19	
Methylene Chloride	50.0	43.55		ug/L		87	79 - 123	0	17	
4-Methyl-2-pentanone (MIBK)	250	201.0		ug/L		80	60 - 137	0	17	
Methyl tert-butyl ether	50.0	43.86		ug/L		88	72 - 133	0	16	
Styrene	50.0	43.45		ug/L		87	80 - 127	3	24	
1,1,2,2-Tetrachloroethane	50.0	41.51		ug/L		83	69 - 131	1	20	
Tetrachloroethene	50.0	43.61		ug/L		87	80 - 126	3	16	
Toluene	50.0	44.22		ug/L		88	80 - 126	0	15	
trans-1,2-Dichloroethene	50.0	40.33		ug/L		81	79 - 126	0	16	
trans-1,3-Dichloropropene	50.0	42.81		ug/L		86	63 - 134	1	14	
1,2,3-Trichlorobenzene	50.0	48.23		ug/L		96	62 - 133	4	25	
1,2,4-Trichlorobenzene	50.0	46.92		ug/L		94	63 - 133	3	19	
1,1,1-Trichloroethane	50.0	45.07		ug/L		90	78 - 135	0	17	
1,1,2-Trichloroethane	50.0	44.03		ug/L		88	80 - 124	2	15	
Trichloroethene	50.0	48.36		ug/L		97	80 - 123	1	17	
Trichlorofluoromethane	50.0	53.52		ug/L		107	65 - 124	1	18	
1,1,2-Trichloro-1,2,2-trichlorofluorohane	50.0	46.38		ug/L		93	77 - 129	2	18	
Vinyl chloride	50.0	47.27		ug/L		95	68 - 120	0	17	
Xylenes, Total	100	83.62		ug/L		84	80 - 132	1	15	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	88		70 - 130
Toluene-d8 (Surr)	96		70 - 130

**Lab Sample ID: 490-36915-B-1 MS**

**Matrix: Water**

**Analysis Batch: 114170**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier				RPD	Limit
Acetone	<2.66		250	219.6		ug/L		88	45 - 141	
Benzene	<0.200		50.0	45.68		ug/L		91	75 - 133	
Bromochloromethane	<0.150		50.0	46.29		ug/L		93	67 - 139	
Bromodichloromethane	<0.170		50.0	48.02		ug/L		96	70 - 140	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-36915-B-1 MS**

**Client Sample ID: Matrix Spike**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 114170**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Bromoform	<0.290		50.0	46.97		ug/L		94	42 - 147
Bromomethane	<0.350		50.0	43.79		ug/L		88	16 - 163
2-Butanone (MEK)	<2.64		250	218.6		ug/L		87	50 - 138
Carbon disulfide	<0.220		50.0	43.89		ug/L		88	48 - 152
Carbon tetrachloride	<0.180		50.0	52.37		ug/L		105	62 - 164
Chlorobenzene	<0.180		50.0	47.31		ug/L		95	80 - 129
Chlorodibromomethane	<0.250		50.0	48.55		ug/L		97	66 - 140
Chloroethane	<0.360		50.0	46.40		ug/L		93	58 - 137
Chloroform	<0.230		50.0	48.25		ug/L		97	66 - 138
Chloromethane	<0.360		50.0	36.00		ug/L		72	10 - 169
cis-1,2-Dichloroethene	<0.210		50.0	44.45		ug/L		89	68 - 138
cis-1,3-Dichloropropene	<0.170		50.0	44.59		ug/L		89	71 - 141
Cyclohexane	<0.220		50.0	39.52		ug/L		79	58 - 144
1,2-Dibromo-3-Chloropropane	<0.940		50.0	45.19		ug/L		90	52 - 126
1,2-Dibromoethane (EDB)	<0.210		50.0	46.00		ug/L		92	75 - 137
1,2-Dichlorobenzene	<0.190		50.0	45.82		ug/L		92	79 - 128
1,3-Dichlorobenzene	<0.180		50.0	45.85		ug/L		92	77 - 131
1,4-Dichlorobenzene	<0.170		50.0	46.48		ug/L		93	78 - 126
Dichlorodifluoromethane	<0.170		50.0	53.40		ug/L		107	40 - 127
1,1-Dichloroethane	<0.240		50.0	42.95		ug/L		86	71 - 139
1,2-Dichloroethane	<0.200		50.0	41.82		ug/L		84	64 - 136
1,1-Dichloroethene	<0.250		50.0	49.83		ug/L		100	70 - 142
1,2-Dichloropropane	<0.250		50.0	41.37		ug/L		83	67 - 131
Ethylbenzene	<0.190		50.0	45.49		ug/L		91	79 - 139
2-Hexanone	<1.28		250	203.7		ug/L		81	50 - 150
Isopropylbenzene	<0.330		50.0	44.70		ug/L		89	80 - 153
Methyl acetate	<0.720		250	176.7		ug/L		71	30 - 165
Methylcyclohexane	<0.200		50.0	44.16		ug/L		88	59 - 151
Methylene Chloride	<0.220		50.0	44.43		ug/L		89	64 - 139
4-Methyl-2-pentanone (MIBK)	<0.810		250	202.7		ug/L		81	50 - 147
Methyl tert-butyl ether	<0.170		50.0	44.30		ug/L		89	66 - 141
Styrene	<0.280		50.0	45.83		ug/L		92	61 - 148
1,1,1,2-Tetrachloroethane	<0.190		50.0	44.17		ug/L		88	56 - 143
Tetrachloroethene	<0.140		50.0	45.37		ug/L		91	72 - 145
Toluene	<0.170		50.0	45.70		ug/L		91	75 - 136
trans-1,2-Dichloroethene	<0.230		50.0	42.24		ug/L		84	66 - 143
trans-1,3-Dichloropropene	<0.170		50.0	44.25		ug/L		88	59 - 135
1,2,3-Trichlorobenzene	<0.230		50.0	46.14		ug/L		92	55 - 138
1,2,4-Trichlorobenzene	<0.200		50.0	46.37		ug/L		93	60 - 136
1,1,1-Trichloroethane	<0.190		50.0	48.03		ug/L		96	76 - 149
1,1,2-Trichloroethane	<0.190		50.0	46.16		ug/L		92	74 - 134
Trichloroethene	<0.200		50.0	47.81		ug/L		96	73 - 144
Trichlorofluoromethane	<0.210		50.0	58.28		ug/L		117	58 - 139
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	51.39		ug/L		103	72 - 148
Vinyl chloride	<0.180		50.0	47.78		ug/L		96	56 - 129
Xylenes, Total	<0.380		100	86.64		ug/L		87	74 - 141

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-36915-B-1 MS**

**Matrix: Water**

**Analysis Batch: 114170**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
Toluene-d8 (Surr)	95		70 - 130

**Lab Sample ID: 490-36915-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 114170**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Acetone	<2.66		250	218.7		ug/L		87	45 - 141	0	21
Benzene	<0.200		50.0	46.31		ug/L		93	75 - 133	1	17
Bromochloromethane	<0.150		50.0	47.43		ug/L		95	67 - 139	2	17
Bromodichloromethane	<0.170		50.0	48.41		ug/L		97	70 - 140	1	18
Bromoform	<0.290		50.0	46.83		ug/L		94	42 - 147	0	16
Bromomethane	<0.350		50.0	48.71		ug/L		97	16 - 163	11	50
2-Butanone (MEK)	<2.64		250	226.2		ug/L		90	50 - 138	3	19
Carbon disulfide	<0.220		50.0	44.07		ug/L		88	48 - 152	0	21
Carbon tetrachloride	<0.180		50.0	53.43		ug/L		107	62 - 164	2	19
Chlorobenzene	<0.180		50.0	47.39		ug/L		95	80 - 129	0	14
Chlorodibromomethane	<0.250		50.0	48.98		ug/L		98	66 - 140	1	15
Chloroethane	<0.360		50.0	46.62		ug/L		93	58 - 137	0	20
Chloroform	<0.230		50.0	48.01		ug/L		96	66 - 138	1	18
Chloromethane	<0.360		50.0	36.60		ug/L		73	10 - 169	2	31
cis-1,2-Dichloroethene	<0.210		50.0	44.74		ug/L		89	68 - 138	1	17
cis-1,3-Dichloropropene	<0.170		50.0	45.17		ug/L		90	71 - 141	1	15
Cyclohexane	<0.220		50.0	39.76		ug/L		80	58 - 144	1	16
1,2-Dibromo-3-Chloropropane	<0.940		50.0	46.92		ug/L		94	52 - 126	4	24
1,2-Dibromoethane (EDB)	<0.210		50.0	46.02		ug/L		92	75 - 137	0	15
1,2-Dichlorobenzene	<0.190		50.0	45.71		ug/L		91	79 - 128	0	15
1,3-Dichlorobenzene	<0.180		50.0	45.56		ug/L		91	77 - 131	1	15
1,4-Dichlorobenzene	<0.170		50.0	45.36		ug/L		91	78 - 126	2	15
Dichlorodifluoromethane	<0.170		50.0	51.34		ug/L		103	40 - 127	4	18
1,1-Dichloroethane	<0.240		50.0	43.56		ug/L		87	71 - 139	1	17
1,2-Dichloroethane	<0.200		50.0	41.55		ug/L		83	64 - 136	1	17
1,1-Dichloroethene	<0.250		50.0	50.07		ug/L		100	70 - 142	0	17
1,2-Dichloropropane	<0.250		50.0	42.74		ug/L		85	67 - 131	3	17
Ethylbenzene	<0.190		50.0	45.47		ug/L		91	79 - 139	0	15
2-Hexanone	<1.28		250	204.2		ug/L		82	50 - 150	0	15
Isopropylbenzene	<0.330		50.0	44.83		ug/L		90	80 - 153	0	16
Methyl acetate	<0.720		250	178.4		ug/L		71	30 - 165	1	31
Methylcyclohexane	<0.200		50.0	45.52		ug/L		91	59 - 151	3	19
Methylene Chloride	<0.220		50.0	44.63		ug/L		89	64 - 139	0	17
4-Methyl-2-pentanone (MIBK)	<0.810		250	206.4		ug/L		83	50 - 147	2	17
Methyl tert-butyl ether	<0.170		50.0	44.97		ug/L		90	66 - 141	2	16
Styrene	<0.280		50.0	45.42		ug/L		91	61 - 148	1	24
1,1,1,2-Tetrachloroethane	<0.190		50.0	44.96		ug/L		90	56 - 143	2	20
Tetrachloroethene	<0.140		50.0	45.96		ug/L		92	72 - 145	1	16

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-36915-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 114170**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Toluene	<0.170		50.0	46.10		ug/L		92	75 - 136	1	15
trans-1,2-Dichloroethene	<0.230		50.0	42.86		ug/L		86	66 - 143	1	16
trans-1,3-Dichloropropene	<0.170		50.0	44.03		ug/L		88	59 - 135	0	14
1,2,3-Trichlorobenzene	<0.230		50.0	48.53		ug/L		97	55 - 138	5	25
1,2,4-Trichlorobenzene	<0.200		50.0	47.01		ug/L		94	60 - 136	1	19
1,1,1-Trichloroethane	<0.190		50.0	48.43		ug/L		97	76 - 149	1	17
1,1,2-Trichloroethane	<0.190		50.0	45.73		ug/L		91	74 - 134	1	15
Trichloroethene	<0.200		50.0	48.46		ug/L		97	73 - 144	1	17
Trichlorofluoromethane	<0.210		50.0	57.90		ug/L		116	58 - 139	1	18
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	50.16		ug/L		100	72 - 148	2	18
Vinyl chloride	<0.180		50.0	48.78		ug/L		98	56 - 129	2	17
Xylenes, Total	<0.380		100	87.17		ug/L		87	74 - 141	1	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	90		70 - 130
Toluene-d8 (Surr)	94		70 - 130

**Lab Sample ID: MB 490-114355/8**

**Matrix: Solid**

**Analysis Batch: 114355**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0400		0.0500	0.0400	mg/Kg			10/15/13 13:17	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/15/13 13:17	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/15/13 13:17	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			10/15/13 13:17	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			10/15/13 13:17	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			10/15/13 13:17	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			10/15/13 13:17	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			10/15/13 13:17	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			10/15/13 13:17	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/15/13 13:17	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			10/15/13 13:17	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			10/15/13 13:17	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			10/15/13 13:17	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/15/13 13:17	1

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114355/8**

**Matrix: Solid**

**Analysis Batch: 114355**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			10/15/13 13:17	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			10/15/13 13:17	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			10/15/13 13:17	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			10/15/13 13:17	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			10/15/13 13:17	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/15/13 13:17	1
Methylene Chloride	0.001436	J	0.0100	0.000860	mg/Kg			10/15/13 13:17	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			10/15/13 13:17	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			10/15/13 13:17	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			10/15/13 13:17	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			10/15/13 13:17	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			10/15/13 13:17	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			10/15/13 13:17	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			10/15/13 13:17	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/15/13 13:17	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			10/15/13 13:17	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			10/15/13 13:17	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			10/15/13 13:17	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/15/13 13:17	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			10/15/13 13:17	1
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			10/15/13 13:17	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			10/15/13 13:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130		10/15/13 13:17	1
Dibromofluoromethane (Surr)	92		70 - 130		10/15/13 13:17	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		10/15/13 13:17	1
Toluene-d8 (Surr)	114		70 - 130		10/15/13 13:17	1

**Lab Sample ID: LCS 490-114355/4**

**Matrix: Solid**

**Analysis Batch: 114355**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2770		mg/Kg		111	51 - 149
Benzene	0.0500	0.04548		mg/Kg		91	75 - 127
Bromochloromethane	0.0500	0.04390		mg/Kg		88	70 - 132
Bromodichloromethane	0.0500	0.04004		mg/Kg		80	68 - 135
Bromoform	0.0500	0.04549		mg/Kg		91	36 - 150
Bromomethane	0.0500	0.03271		mg/Kg		65	43 - 142
2-Butanone (MEK)	0.250	0.2563		mg/Kg		103	61 - 132
Carbon disulfide	0.0500	0.04086		mg/Kg		82	74 - 135
Carbon tetrachloride	0.0500	0.04122		mg/Kg		82	70 - 141

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114355/4**

**Matrix: Solid**

**Analysis Batch: 114355**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	0.0500	0.04943		mg/Kg		99	84 - 125
Chlorodibromomethane	0.0500	0.04632		mg/Kg		93	66 - 134
Chloroethane	0.0500	0.05268		mg/Kg		105	53 - 144
Chloroform	0.0500	0.04432		mg/Kg		89	76 - 130
Chloromethane	0.0500	0.04893		mg/Kg		98	23 - 150
cis-1,2-Dichloroethene	0.0500	0.04833		mg/Kg		97	75 - 125
cis-1,3-Dichloropropene	0.0500	0.04752		mg/Kg		95	73 - 148
Cyclohexane	0.0500	0.04724		mg/Kg		94	70 - 133
1,2-Dibromo-3-Chloropropane	0.0500	0.05229		mg/Kg		105	49 - 142
1,2-Dibromoethane (EDB)	0.0500	0.05138		mg/Kg		103	80 - 135
1,2-Dichlorobenzene	0.0500	0.05065		mg/Kg		101	80 - 134
1,3-Dichlorobenzene	0.0500	0.05080		mg/Kg		102	79 - 137
1,4-Dichlorobenzene	0.0500	0.05007		mg/Kg		100	77 - 139
Dichlorodifluoromethane	0.0500	0.04853		mg/Kg		97	12 - 144
1,1-Dichloroethane	0.0500	0.04660		mg/Kg		93	75 - 124
1,2-Dichloroethane	0.0500	0.04904		mg/Kg		98	65 - 134
1,1-Dichloroethene	0.0500	0.04575		mg/Kg		92	75 - 131
1,2-Dichloropropane	0.0500	0.04677		mg/Kg		94	69 - 120
Ethylbenzene	0.0500	0.04925		mg/Kg		98	80 - 134
2-Hexanone	0.250	0.2970		mg/Kg		119	57 - 148
Isopropylbenzene	0.0500	0.05051		mg/Kg		101	80 - 150
Methyl acetate	0.250	0.2911		mg/Kg		116	11 - 170
Methylcyclohexane	0.0500	0.04540		mg/Kg		91	69 - 140
Methylene Chloride	0.0500	0.04436		mg/Kg		89	68 - 144
4-Methyl-2-pentanone (MIBK)	0.250	0.2866		mg/Kg		115	59 - 138
Methyl tert-butyl ether	0.0500	0.03520		mg/Kg		70	70 - 136
Styrene	0.0500	0.05215		mg/Kg		104	82 - 137
1,1,2,2-Tetrachloroethane	0.0500	0.05417		mg/Kg		108	66 - 134
Tetrachloroethene	0.0500	0.04941		mg/Kg		99	78 - 140
Toluene	0.0500	0.05050		mg/Kg		101	80 - 132
trans-1,2-Dichloroethene	0.0500	0.04943		mg/Kg		99	76 - 128
trans-1,3-Dichloropropene	0.0500	0.04707		mg/Kg		94	62 - 139
1,2,3-Trichlorobenzene	0.0500	0.05190		mg/Kg		104	70 - 150
1,2,4-Trichlorobenzene	0.0500	0.05170		mg/Kg		103	62 - 150
1,1,1-Trichloroethane	0.0500	0.04271		mg/Kg		85	72 - 140
1,1,2-Trichloroethane	0.0500	0.04879		mg/Kg		98	78 - 128
Trichloroethene	0.0500	0.04426		mg/Kg		89	77 - 127
Trichlorofluoromethane	0.0500	0.04780		mg/Kg		96	50 - 140
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.04725		mg/Kg		95	67 - 136
Vinyl chloride	0.0500	0.05138		mg/Kg		103	47 - 136
Xylenes, Total	0.100	0.09853		mg/Kg		99	80 - 137

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	111		70 - 130
Toluene-d8 (Surr)	110		70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-114355/5**

**Matrix: Solid**

**Analysis Batch: 114355**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.250	0.2899		mg/Kg		116	51 - 149	5	50
Benzene	0.0500	0.04478		mg/Kg		90	75 - 127	2	50
Bromochloromethane	0.0500	0.04444		mg/Kg		89	70 - 132	1	50
Bromodichloromethane	0.0500	0.04036		mg/Kg		81	68 - 135	1	50
Bromoform	0.0500	0.04738		mg/Kg		95	36 - 150	4	50
Bromomethane	0.0500	0.03286		mg/Kg		66	43 - 142	0	50
2-Butanone (MEK)	0.250	0.2738		mg/Kg		110	61 - 132	7	50
Carbon disulfide	0.0500	0.03997		mg/Kg		80	74 - 135	2	50
Carbon tetrachloride	0.0500	0.04090		mg/Kg		82	70 - 141	1	50
Chlorobenzene	0.0500	0.04875		mg/Kg		98	84 - 125	1	50
Chlorodibromomethane	0.0500	0.04770		mg/Kg		95	66 - 134	3	50
Chloroethane	0.0500	0.05033		mg/Kg		101	53 - 144	5	50
Chloroform	0.0500	0.04392		mg/Kg		88	76 - 130	1	49
Chloromethane	0.0500	0.05061		mg/Kg		101	23 - 150	3	50
cis-1,2-Dichloroethene	0.0500	0.04783		mg/Kg		96	75 - 125	1	50
cis-1,3-Dichloropropene	0.0500	0.04759		mg/Kg		95	73 - 148	0	50
Cyclohexane	0.0500	0.04700		mg/Kg		94	70 - 133	0	50
1,2-Dibromo-3-Chloropropane	0.0500	0.05568		mg/Kg		111	49 - 142	6	50
1,2-Dibromoethane (EDB)	0.0500	0.05155		mg/Kg		103	80 - 135	0	50
1,2-Dichlorobenzene	0.0500	0.04940		mg/Kg		99	80 - 134	3	50
1,3-Dichlorobenzene	0.0500	0.04931		mg/Kg		99	79 - 137	3	50
1,4-Dichlorobenzene	0.0500	0.04830		mg/Kg		97	77 - 139	4	50
Dichlorodifluoromethane	0.0500	0.04996		mg/Kg		100	12 - 144	3	50
1,1-Dichloroethane	0.0500	0.04786		mg/Kg		96	75 - 124	3	50
1,2-Dichloroethane	0.0500	0.04969		mg/Kg		99	65 - 134	1	50
1,1-Dichloroethene	0.0500	0.04472		mg/Kg		89	75 - 131	2	50
1,2-Dichloropropane	0.0500	0.04618		mg/Kg		92	69 - 120	1	50
Ethylbenzene	0.0500	0.04875		mg/Kg		97	80 - 134	1	50
2-Hexanone	0.250	0.3147		mg/Kg		126	57 - 148	6	50
Isopropylbenzene	0.0500	0.04917		mg/Kg		98	80 - 150	3	50
Methyl acetate	0.250	0.2551		mg/Kg		102	11 - 170	13	50
Methylcyclohexane	0.0500	0.04488		mg/Kg		90	69 - 140	1	50
Methylene Chloride	0.0500	0.04526		mg/Kg		91	68 - 144	2	50
4-Methyl-2-pentanone (MIBK)	0.250	0.2953		mg/Kg		118	59 - 138	3	50
Methyl tert-butyl ether	0.0500	0.03592		mg/Kg		72	70 - 136	2	50
Styrene	0.0500	0.05127		mg/Kg		103	82 - 137	2	50
1,1,2,2-Tetrachloroethane	0.0500	0.05649		mg/Kg		113	66 - 134	4	50
Tetrachloroethene	0.0500	0.04862		mg/Kg		97	78 - 140	2	50
Toluene	0.0500	0.04999		mg/Kg		100	80 - 132	1	50
trans-1,2-Dichloroethene	0.0500	0.04925		mg/Kg		98	76 - 128	0	50
trans-1,3-Dichloropropene	0.0500	0.04767		mg/Kg		95	62 - 139	1	50
1,2,3-Trichlorobenzene	0.0500	0.05048		mg/Kg		101	70 - 150	3	50
1,2,4-Trichlorobenzene	0.0500	0.04859		mg/Kg		97	62 - 150	6	50
1,1,1-Trichloroethane	0.0500	0.04214		mg/Kg		84	72 - 140	1	50
1,1,1,2-Trichloroethane	0.0500	0.05045		mg/Kg		101	78 - 128	3	50
Trichloroethene	0.0500	0.04405		mg/Kg		88	77 - 127	0	50
Trichlorofluoromethane	0.0500	0.04704		mg/Kg		94	50 - 140	2	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-114355/5**

**Matrix: Solid**

**Analysis Batch: 114355**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.04639		mg/Kg		93	67 - 136	2	50
Vinyl chloride	0.0500	0.05222		mg/Kg		104	47 - 136	2	50
Xylenes, Total	0.100	0.09663		mg/Kg		97	80 - 137	2	50

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	112		70 - 130
Toluene-d8 (Surr)	110		70 - 130

**Lab Sample ID: 490-37587-A-2-AA MS**

**Matrix: Solid**

**Analysis Batch: 114355**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114363**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0502	J	0.233	0.2927		mg/Kg	☼	104	19 - 175
Benzene	0.00320		0.0466	0.03852		mg/Kg	☼	76	31 - 143
Bromochloromethane	<0.000577		0.0466	0.03003		mg/Kg	☼	64	31 - 141
Bromodichloromethane	<0.000577		0.0466	0.02656		mg/Kg	☼	57	19 - 148
Bromoform	<0.000577		0.0466	0.01950		mg/Kg	☼	42	10 - 165
Bromomethane	<0.00126		0.0466	0.03221		mg/Kg	☼	69	10 - 164
2-Butanone (MEK)	0.00660	J	0.233	0.2108		mg/Kg	☼	88	18 - 153
Carbon disulfide	<0.00378		0.0466	0.02831		mg/Kg	☼	61	32 - 144
Carbon tetrachloride	<0.000703		0.0466	0.03655		mg/Kg	☼	79	31 - 149
Chlorobenzene	<0.000703		0.0466	0.02854		mg/Kg	☼	61	25 - 152
Chlorodibromomethane	<0.000357		0.0466	0.02805		mg/Kg	☼	60	14 - 146
Chloroethane	<0.00199		0.0466	0.04921		mg/Kg	☼	106	10 - 151
Chloroform	<0.000703		0.0466	0.03659		mg/Kg	☼	79	34 - 160
Chloromethane	<0.000703		0.0466	0.04668		mg/Kg	☼	100	10 - 156
cis-1,2-Dichloroethene	<0.000703		0.0466	0.03527		mg/Kg	☼	76	36 - 139
cis-1,3-Dichloropropene	<0.000703		0.0466	0.03004		mg/Kg	☼	65	15 - 166
Cyclohexane	<0.00346		0.0466	0.04068		mg/Kg	☼	87	32 - 158
1,2-Dibromo-3-Chloropropane	<0.000735	*	0.0466	0.02262	*	mg/Kg	☼	49	10 - 147
1,2-Dibromoethane (EDB)	<0.00105		0.0466	0.02779		mg/Kg	☼	60	18 - 156
1,2-Dichlorobenzene	<0.000357	*	0.0466	0.02280	*	mg/Kg	☼	49	10 - 160
1,3-Dichlorobenzene	<0.000703	*	0.0466	0.02396	*	mg/Kg	☼	51	10 - 162
1,4-Dichlorobenzene	<0.000703	*	0.0466	0.02249	*	mg/Kg	☼	48	11 - 159
Dichlorodifluoromethane	<0.00105		0.0466	0.05258		mg/Kg	☼	113	10 - 143
1,1-Dichloroethane	<0.000703		0.0466	0.04234		mg/Kg	☼	91	42 - 136
1,2-Dichloroethane	<0.000703		0.0466	0.03324		mg/Kg	☼	71	28 - 138
1,1-Dichloroethene	<0.000598		0.0466	0.04002		mg/Kg	☼	86	41 - 143
1,2-Dichloropropane	<0.000987		0.0466	0.03569		mg/Kg	☼	77	20 - 146
Ethylbenzene	0.00116	J	0.0466	0.03662		mg/Kg	☼	76	23 - 161
2-Hexanone	<0.0175		0.233	0.1787		mg/Kg	☼	77	10 - 169
Isopropylbenzene	<0.000430		0.0466	0.03349		mg/Kg	☼	72	23 - 181
Methyl acetate	<0.00252		0.233	0.2596		mg/Kg	☼	112	10 - 200
Methylcyclohexane	<0.00346		0.0466	0.03443		mg/Kg	☼	74	29 - 167

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37587-A-2-AA MS**

**Matrix: Solid**

**Analysis Batch: 114355**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114363**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Methylene Chloride	0.0619	B	0.0466	0.1022		mg/Kg	☼	87	24 - 182
4-Methyl-2-pentanone (MIBK)	<0.0178		0.233	0.2242		mg/Kg	☼	96	10 - 168
Methyl tert-butyl ether	<0.00101		0.0466	0.03054		mg/Kg	☼	66	28 - 141
Styrene	<0.00115		0.0466	0.02008		mg/Kg	☼	43	10 - 165
1,1,2,2-Tetrachloroethane	<0.00105	*	0.0466	0.04186	*	mg/Kg	☼	90	10 - 162
Tetrachloroethene	<0.000766		0.0466	0.04037		mg/Kg	☼	87	33 - 161
Toluene	0.00953		0.0466	0.05038		mg/Kg	☼	88	30 - 155
trans-1,2-Dichloroethene	<0.000703		0.0466	0.03642		mg/Kg	☼	78	39 - 140
trans-1,3-Dichloropropene	<0.000703		0.0466	0.02161		mg/Kg	☼	46	10 - 157
1,2,3-Trichlorobenzene	<0.000399	*	0.0466	0.009463	*	mg/Kg	☼	20	10 - 157
1,2,4-Trichlorobenzene	<0.000703	*	0.0466	0.01083	*	mg/Kg	☼	23	10 - 167
1,1,1-Trichloroethane	<0.000966		0.0466	0.03841		mg/Kg	☼	83	35 - 149
1,1,2-Trichloroethane	<0.00147		0.0466	0.03683		mg/Kg	☼	79	19 - 157
Trichloroethene	<0.00101		0.0466	0.03189		mg/Kg	☼	68	27 - 153
Trichlorofluoromethane	<0.00105		0.0466	0.04739		mg/Kg	☼	102	25 - 140
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000829		0.0466	0.04712		mg/Kg	☼	101	42 - 147
Vinyl chloride	<0.00115		0.0466	0.04746		mg/Kg	☼	102	20 - 141
Xylenes, Total	0.00692		0.0931	0.07352		mg/Kg	☼	72	25 - 162

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	124	*	70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	114		70 - 130
Toluene-d8 (Surr)	125		70 - 130

**Lab Sample ID: 490-37587-A-2-AC MSD**

**Matrix: Solid**

**Analysis Batch: 114355**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114363**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	0.0502	J	0.273	0.4146		mg/Kg	☼	133	19 - 175	34	50
Benzene	0.00320		0.0547	0.04674		mg/Kg	☼	80	31 - 143	19	50
Bromochloromethane	<0.000577		0.0547	0.03976		mg/Kg	☼	73	31 - 141	28	50
Bromodichloromethane	<0.000577		0.0547	0.03399		mg/Kg	☼	62	19 - 148	25	50
Bromoform	<0.000577		0.0547	0.02848		mg/Kg	☼	52	10 - 165	37	50
Bromomethane	<0.00126		0.0547	0.04137		mg/Kg	☼	76	10 - 164	25	50
2-Butanone (MEK)	0.00660	J	0.273	0.2897		mg/Kg	☼	104	18 - 153	32	50
Carbon disulfide	<0.00378		0.0547	0.03274		mg/Kg	☼	60	32 - 144	15	50
Carbon tetrachloride	<0.000703		0.0547	0.04252		mg/Kg	☼	78	31 - 149	15	50
Chlorobenzene	<0.000703		0.0547	0.03689		mg/Kg	☼	68	25 - 152	26	50
Chlorodibromomethane	<0.000357		0.0547	0.03880		mg/Kg	☼	71	14 - 146	32	50
Chloroethane	<0.00199		0.0547	0.05899		mg/Kg	☼	108	10 - 151	18	50
Chloroform	<0.000703		0.0547	0.04503		mg/Kg	☼	82	34 - 160	21	49
Chloromethane	<0.000703		0.0547	0.05760		mg/Kg	☼	105	10 - 156	21	50
cis-1,2-Dichloroethene	<0.000703		0.0547	0.04393		mg/Kg	☼	80	36 - 139	22	50
cis-1,3-Dichloropropene	<0.000703		0.0547	0.04056		mg/Kg	☼	74	15 - 166	30	50
Cyclohexane	<0.00346		0.0547	0.04628		mg/Kg	☼	85	32 - 158	13	550

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37587-A-2-AC MSD**

**Matrix: Solid**

**Analysis Batch: 114355**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114363**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,2-Dibromo-3-Chloropropane	<0.000735	*	0.0547	0.03669	*	mg/Kg	☼	67	10 - 147	47	50
1,2-Dibromoethane (EDB)	<0.00105		0.0547	0.03932		mg/Kg	☼	72	18 - 156	34	50
1,2-Dichlorobenzene	<0.000357	*	0.0547	0.03285	*	mg/Kg	☼	60	10 - 160	36	50
1,3-Dichlorobenzene	<0.000703	*	0.0547	0.03348	*	mg/Kg	☼	61	10 - 162	33	50
1,4-Dichlorobenzene	<0.000703	*	0.0547	0.03157	*	mg/Kg	☼	58	11 - 159	34	50
Dichlorodifluoromethane	<0.00105		0.0547	0.05942		mg/Kg	☼	109	10 - 143	12	50
1,1-Dichloroethane	<0.000703		0.0547	0.05173		mg/Kg	☼	95	42 - 136	20	50
1,2-Dichloroethane	<0.000703		0.0547	0.04428		mg/Kg	☼	81	28 - 138	28	50
1,1-Dichloroethene	<0.000598		0.0547	0.04590		mg/Kg	☼	84	41 - 143	14	50
1,2-Dichloropropane	<0.000987		0.0547	0.04399		mg/Kg	☼	80	20 - 146	21	50
Ethylbenzene	0.00116	J	0.0547	0.04556		mg/Kg	☼	81	23 - 161	22	50
2-Hexanone	<0.0175		0.273	0.2674		mg/Kg	☼	98	10 - 169	40	50
Isopropylbenzene	<0.000430		0.0547	0.04174		mg/Kg	☼	76	23 - 181	22	50
Methyl acetate	<0.00252		0.273	0.3669		mg/Kg	☼	134	10 - 200	34	50
Methylcyclohexane	<0.00346		0.0547	0.03646		mg/Kg	☼	67	29 - 167	6	50
Methylene Chloride	0.0619	B	0.0547	0.1323		mg/Kg	☼	129	24 - 182	26	50
4-Methyl-2-pentanone (MIBK)	<0.0178		0.273	0.3163		mg/Kg	☼	116	10 - 168	34	50
Methyl tert-butyl ether	<0.00101		0.0547	0.03886		mg/Kg	☼	71	28 - 141	24	50
Styrene	<0.00115		0.0547	0.02284		mg/Kg	☼	42	10 - 165	13	50
1,1,2,2-Tetrachloroethane	<0.00105	*	0.0547	0.05913	*	mg/Kg	☼	108	10 - 162	34	50
Tetrachloroethene	<0.000766		0.0547	0.04769		mg/Kg	☼	87	33 - 161	17	50
Toluene	0.00953		0.0547	0.06309		mg/Kg	☼	98	30 - 155	22	50
trans-1,2-Dichloroethene	<0.000703		0.0547	0.04354		mg/Kg	☼	80	39 - 140	18	50
trans-1,3-Dichloropropene	<0.000703		0.0547	0.03192		mg/Kg	☼	58	10 - 157	39	50
1,2,3-Trichlorobenzene	<0.000399	*	0.0547	0.01395	*	mg/Kg	☼	26	10 - 157	38	50
1,2,4-Trichlorobenzene	<0.000703	*	0.0547	0.01532	*	mg/Kg	☼	28	10 - 167	34	50
1,1,1-Trichloroethane	<0.000966		0.0547	0.04498		mg/Kg	☼	82	35 - 149	16	50
1,1,2-Trichloroethane	<0.00147		0.0547	0.05091		mg/Kg	☼	93	19 - 157	32	50
Trichloroethene	<0.00101		0.0547	0.03716		mg/Kg	☼	68	27 - 153	15	50
Trichlorofluoromethane	<0.00105		0.0547	0.05544		mg/Kg	☼	101	25 - 140	16	50
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000829		0.0547	0.05384		mg/Kg	☼	99	42 - 147	13	50
Vinyl chloride	<0.00115		0.0547	0.05716		mg/Kg	☼	105	20 - 141	19	50
Xylenes, Total	0.00692		0.109	0.09221		mg/Kg	☼	78	25 - 162	23	50

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	127	*	70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
Toluene-d8 (Surr)	128		70 - 130

**Lab Sample ID: MB 490-114676/9**

**Matrix: Solid**

**Analysis Batch: 114676**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0400		0.0500	0.0400	mg/Kg			10/16/13 13:27	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114676/9**

**Matrix: Solid**

**Analysis Batch: 114676**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/16/13 13:27	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/16/13 13:27	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			10/16/13 13:27	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			10/16/13 13:27	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			10/16/13 13:27	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			10/16/13 13:27	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			10/16/13 13:27	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			10/16/13 13:27	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/16/13 13:27	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			10/16/13 13:27	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			10/16/13 13:27	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			10/16/13 13:27	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/16/13 13:27	1
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			10/16/13 13:27	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			10/16/13 13:27	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			10/16/13 13:27	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			10/16/13 13:27	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			10/16/13 13:27	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/16/13 13:27	1
Methylene Chloride	<0.000860		0.0100	0.000860	mg/Kg			10/16/13 13:27	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			10/16/13 13:27	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			10/16/13 13:27	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			10/16/13 13:27	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			10/16/13 13:27	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			10/16/13 13:27	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			10/16/13 13:27	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			10/16/13 13:27	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/16/13 13:27	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			10/16/13 13:27	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			10/16/13 13:27	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			10/16/13 13:27	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/16/13 13:27	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			10/16/13 13:27	1
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			10/16/13 13:27	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			10/16/13 13:27	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-114676/9

Matrix: Solid

Analysis Batch: 114676

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	106		70 - 130		10/16/13 13:27	1
Dibromofluoromethane (Surr)	99		70 - 130		10/16/13 13:27	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		10/16/13 13:27	1
Toluene-d8 (Surr)	107		70 - 130		10/16/13 13:27	1

Lab Sample ID: LCS 490-114676/5

Matrix: Solid

Analysis Batch: 114676

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Acetone	0.250	0.2226		mg/Kg		89	51 - 149
Benzene	0.0500	0.04740		mg/Kg		95	75 - 127
Bromochloromethane	0.0500	0.04418		mg/Kg		88	70 - 132
Bromodichloromethane	0.0500	0.04747		mg/Kg		95	68 - 135
Bromoform	0.0500	0.04929		mg/Kg		99	36 - 150
2-Butanone (MEK)	0.250	0.2243		mg/Kg		90	61 - 132
Carbon disulfide	0.0500	0.04891		mg/Kg		98	74 - 135
Carbon tetrachloride	0.0500	0.04564		mg/Kg		91	70 - 141
Chlorobenzene	0.0500	0.04818		mg/Kg		96	84 - 125
Chlorodibromomethane	0.0500	0.05157		mg/Kg		103	66 - 134
Chloroform	0.0500	0.04554		mg/Kg		91	76 - 130
cis-1,2-Dichloroethene	0.0500	0.04993		mg/Kg		100	75 - 125
cis-1,3-Dichloropropene	0.0500	0.05467		mg/Kg		109	73 - 148
Cyclohexane	0.0500	0.05179		mg/Kg		104	70 - 133
1,2-Dibromo-3-Chloropropane	0.0500	0.04780		mg/Kg		96	49 - 142
1,2-Dibromoethane (EDB)	0.0500	0.04831		mg/Kg		97	80 - 135
1,2-Dichlorobenzene	0.0500	0.05065		mg/Kg		101	80 - 134
1,3-Dichlorobenzene	0.0500	0.05201		mg/Kg		104	79 - 137
1,4-Dichlorobenzene	0.0500	0.05015		mg/Kg		100	77 - 139
1,1-Dichloroethane	0.0500	0.04964		mg/Kg		99	75 - 124
1,2-Dichloroethane	0.0500	0.04426		mg/Kg		89	65 - 134
1,1-Dichloroethene	0.0500	0.04486		mg/Kg		90	75 - 131
1,2-Dichloropropane	0.0500	0.04911		mg/Kg		98	69 - 120
Ethylbenzene	0.0500	0.05270		mg/Kg		105	80 - 134
2-Hexanone	0.250	0.2386		mg/Kg		95	57 - 148
Isopropylbenzene	0.0500	0.05440		mg/Kg		109	80 - 150
Methyl acetate	0.250	0.4038		mg/Kg		162	11 - 170
Methylcyclohexane	0.0500	0.04838		mg/Kg		97	69 - 140
Methylene Chloride	0.0500	0.04613		mg/Kg		92	68 - 144
4-Methyl-2-pentanone (MIBK)	0.250	0.2698		mg/Kg		108	59 - 138
Methyl tert-butyl ether	0.0500	0.04750		mg/Kg		95	70 - 136
Styrene	0.0500	0.05472		mg/Kg		109	82 - 137
1,1,2,2-Tetrachloroethane	0.0500	0.05113		mg/Kg		102	66 - 134
Tetrachloroethene	0.0500	0.04470		mg/Kg		89	78 - 140
Toluene	0.0500	0.05056		mg/Kg		101	80 - 132
trans-1,2-Dichloroethene	0.0500	0.05019		mg/Kg		100	76 - 128
trans-1,3-Dichloropropene	0.0500	0.05407		mg/Kg		108	62 - 139
1,2,3-Trichlorobenzene	0.0500	0.05043		mg/Kg		101	70 - 150

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114676/5**

**Matrix: Solid**

**Analysis Batch: 114676**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.0500	0.04988		mg/Kg		100	62 - 150
1,1,1-Trichloroethane	0.0500	0.04585		mg/Kg		92	72 - 140
1,1,2-Trichloroethane	0.0500	0.04838		mg/Kg		97	78 - 128
Trichloroethene	0.0500	0.04418		mg/Kg		88	77 - 127
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.04454		mg/Kg		89	67 - 136
Xylenes, Total	0.100	0.1061		mg/Kg		106	80 - 137

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
Dibromofluoromethane (Surr)	95		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
Toluene-d8 (Surr)	108		70 - 130

**Lab Sample ID: LCSD 490-114676/6**

**Matrix: Solid**

**Analysis Batch: 114676**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.250	0.2176		mg/Kg		87	51 - 149	2	50
Benzene	0.0500	0.04668		mg/Kg		93	75 - 127	2	50
Bromochloromethane	0.0500	0.04227		mg/Kg		85	70 - 132	4	50
Bromodichloromethane	0.0500	0.04611		mg/Kg		92	68 - 135	3	50
Bromoform	0.0500	0.04765		mg/Kg		95	36 - 150	3	50
Bromomethane	0.0500	0.04997		mg/Kg		100	43 - 142	NaN	50
2-Butanone (MEK)	0.250	0.2157		mg/Kg		86	61 - 132	4	50
Carbon disulfide	0.0500	0.04799		mg/Kg		96	74 - 135	2	50
Carbon tetrachloride	0.0500	0.04576		mg/Kg		92	70 - 141	0	50
Chlorobenzene	0.0500	0.04884		mg/Kg		98	84 - 125	1	50
Chlorodibromomethane	0.0500	0.05006		mg/Kg		100	66 - 134	3	50
Chloroethane	0.0500	0.05114		mg/Kg		102	53 - 144	NaN	50
Chloroform	0.0500	0.04478		mg/Kg		90	76 - 130	2	49
Chloromethane	0.0500	0.06300		mg/Kg		126	23 - 150	NaN	50
cis-1,2-Dichloroethene	0.0500	0.04914		mg/Kg		98	75 - 125	2	50
cis-1,3-Dichloropropene	0.0500	0.05328		mg/Kg		107	73 - 148	3	50
Cyclohexane	0.0500	0.05154		mg/Kg		103	70 - 133	0	50
1,2-Dibromo-3-Chloropropane	0.0500	0.04731		mg/Kg		95	49 - 142	1	50
1,2-Dibromoethane (EDB)	0.0500	0.04670		mg/Kg		93	80 - 135	3	50
1,2-Dichlorobenzene	0.0500	0.04998		mg/Kg		100	80 - 134	1	50
1,3-Dichlorobenzene	0.0500	0.05331		mg/Kg		107	79 - 137	2	50
1,4-Dichlorobenzene	0.0500	0.04996		mg/Kg		100	77 - 139	0	50
Dichlorodifluoromethane	0.0500	0.05409		mg/Kg		108	12 - 144	NaN	50
1,1-Dichloroethane	0.0500	0.04676		mg/Kg		94	75 - 124	6	50
1,2-Dichloroethane	0.0500	0.04294		mg/Kg		86	65 - 134	3	50
1,1-Dichloroethene	0.0500	0.04487		mg/Kg		90	75 - 131	0	50
1,2-Dichloropropane	0.0500	0.04859		mg/Kg		97	69 - 120	1	50
Ethylbenzene	0.0500	0.05295		mg/Kg		106	80 - 134	0	50
2-Hexanone	0.250	0.2289		mg/Kg		92	57 - 148	4	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-114676/6**

**Matrix: Solid**

**Analysis Batch: 114676**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							RPD	Limit	RPD	Limit
Isopropylbenzene	0.0500	0.05490		mg/Kg		110	80 - 150	1	50	
Methyl acetate	0.250	0.4741	*	mg/Kg		190	11 - 170	16	50	
Methylcyclohexane	0.0500	0.04973		mg/Kg		99	69 - 140	3	50	
Methylene Chloride	0.0500	0.04466		mg/Kg		89	68 - 144	3	50	
4-Methyl-2-pentanone (MIBK)	0.250	0.2615		mg/Kg		105	59 - 138	3	50	
Methyl tert-butyl ether	0.0500	0.04570		mg/Kg		91	70 - 136	4	50	
Styrene	0.0500	0.05483		mg/Kg		110	82 - 137	0	50	
1,1,2,2-Tetrachloroethane	0.0500	0.04926		mg/Kg		99	66 - 134	4	50	
Tetrachloroethene	0.0500	0.04545		mg/Kg		91	78 - 140	2	50	
Toluene	0.0500	0.04960		mg/Kg		99	80 - 132	2	50	
trans-1,2-Dichloroethene	0.0500	0.04925		mg/Kg		99	76 - 128	2	50	
trans-1,3-Dichloropropene	0.0500	0.05337		mg/Kg		107	62 - 139	1	50	
1,2,3-Trichlorobenzene	0.0500	0.05263		mg/Kg		105	70 - 150	4	50	
1,2,4-Trichlorobenzene	0.0500	0.05506		mg/Kg		110	62 - 150	10	50	
1,1,1-Trichloroethane	0.0500	0.04499		mg/Kg		90	72 - 140	2	50	
1,1,2-Trichloroethane	0.0500	0.04731		mg/Kg		95	78 - 128	2	50	
Trichloroethene	0.0500	0.04357		mg/Kg		87	77 - 127	1	50	
Trichlorofluoromethane	0.0500	0.04760		mg/Kg		95	50 - 140	NaN	50	
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.0500	0.04490		mg/Kg		90	67 - 136	1	50	
Vinyl chloride	0.0500	0.05772		mg/Kg		115	47 - 136	NaN	50	
Xylenes, Total	0.100	0.1075		mg/Kg		108	80 - 137	1	50	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
Toluene-d8 (Surr)	108		70 - 130

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-114082/1-A**

**Matrix: Solid**

**Analysis Batch: 114577**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0100		0.0670	0.0100	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Acenaphthylene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Acetophenone	<0.0700		0.333	0.0700	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Anthracene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Atrazine	<0.167		0.333	0.167	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzaldehyde	<0.286		1.67	0.286	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[a]anthracene	<0.0150		0.0670	0.0150	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[a]pyrene	<0.0120		0.0670	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[b]fluoranthene	<0.0120		0.0670	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[g,h,i]perylene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Benzo[k]fluoranthene	<0.0140		0.0670	0.0140	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Biphenyl	<0.104		0.333	0.104	mg/Kg		10/14/13 09:19	10/15/13 16:54	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114082/1-A**

**Matrix: Solid**

**Analysis Batch: 114577**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bis(2-chloroethoxy)methane	<0.0120		0.333	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Bis(2-chloroethyl)ether	<0.0200		0.333	0.0200	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
bis (2-chloroisopropyl) ether	<0.134		0.333	0.134	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Bis(2-ethylhexyl) phthalate	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Bromophenyl phenyl ether	<0.0170		0.333	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Butyl benzyl phthalate	<0.0160		0.333	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Caprolactam	<0.108		0.333	0.108	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Carbazole	<0.00700		0.333	0.00700	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Chloroaniline	<0.166		0.333	0.166	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Chloro-3-methylphenol	<0.0160		0.333	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Chloronaphthalene	<0.0170		0.333	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Chlorophenol	<0.0150		0.333	0.0150	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Chlorophenyl phenyl ether	<0.0240		0.333	0.0240	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Chrysene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Dibenz(a,h)anthracene	<0.00700		0.0670	0.00700	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Dibenzofuran	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
3,3'-Dichlorobenzidine	<0.133		0.667	0.133	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4-Dichlorophenol	<0.0170		0.333	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Diethyl phthalate	<0.0140		0.333	0.0140	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Dimethyl phthalate	<0.00800		1.67	0.00800	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Di-n-butyl phthalate	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4,6-Dinitro-2-methylphenol	<0.103		0.333	0.103	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4-Dinitrophenol	<0.110		0.333	0.110	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4-Dinitrotoluene	<0.00900		0.333	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,6-Dinitrotoluene	<0.0310		0.333	0.0310	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Di-n-octyl phthalate	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Fluoranthene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Fluorene	<0.0120		0.0670	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Hexachlorobenzene	<0.0290		0.333	0.0290	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Hexachlorobutadiene	<0.0700		0.333	0.0700	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Hexachlorocyclopentadiene	<0.0160		0.333	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Hexachloroethane	<0.0200		0.333	0.0200	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Indeno[1,2,3-cd]pyrene	<0.0100		0.0670	0.0100	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Isophorone	<0.0590		0.333	0.0590	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Methylnaphthalene	<0.0160		0.0670	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Methylphenol	<0.0930		0.333	0.0930	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
3 & 4 Methylphenol	<0.0200		0.333	0.0200	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Naphthalene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Nitroaniline	<0.0180		0.833	0.0180	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
3-Nitroaniline	<0.148		0.833	0.148	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Nitroaniline	<0.0300		0.833	0.0300	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Nitrobenzene	<0.0170		0.333	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2-Nitrophenol	<0.0130		0.333	0.0130	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
4-Nitrophenol	<0.0150		0.333	0.0150	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
N-Nitrosodi-n-propylamine	<0.0210		0.333	0.0210	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		0.333	0.0160	mg/Kg		10/14/13 09:19	10/15/13 16:54	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114082/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114577**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114082**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.125		0.833	0.125	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Phenanthrene	<0.00900		0.0670	0.00900	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Phenol	<0.0140		0.333	0.0140	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
Pyrene	<0.0120		0.0670	0.0120	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	0.258	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,3,4,6-Tetrachlorophenol	<0.169		0.333	0.169	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4,5-Trichlorophenol	<0.0170		0.833	0.0170	mg/Kg		10/14/13 09:19	10/15/13 16:54	1
2,4,6-Trichlorophenol	<0.0250		0.333	0.0250	mg/Kg		10/14/13 09:19	10/15/13 16:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		29 - 120	10/14/13 09:19	10/15/13 16:54	1
2-Fluorophenol (Surr)	74		10 - 120	10/14/13 09:19	10/15/13 16:54	1
Nitrobenzene-d5 (Surr)	75		27 - 120	10/14/13 09:19	10/15/13 16:54	1
Phenol-d5 (Surr)	73		10 - 120	10/14/13 09:19	10/15/13 16:54	1
Terphenyl-d14 (Surr)	92		13 - 120	10/14/13 09:19	10/15/13 16:54	1
2,4,6-Tribromophenol (Surr)	72		10 - 120	10/14/13 09:19	10/15/13 16:54	1

**Lab Sample ID: LCS 490-114082/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114577**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114082**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.244		mg/Kg		75	36 - 120
Acenaphthylene	1.67	1.249		mg/Kg		75	38 - 120
Acetophenone	1.67	1.171		mg/Kg		70	30 - 120
Anthracene	1.67	1.318		mg/Kg		79	46 - 124
Atrazine	1.67	4.619	E *	mg/Kg		277	41 - 120
Benzaldehyde	3.33	0.9088	J	mg/Kg		27	10 - 150
Benzo[a]anthracene	1.67	1.290		mg/Kg		77	45 - 120
Benzo[a]pyrene	1.67	1.292		mg/Kg		78	45 - 120
Benzo[b]fluoranthene	1.67	1.364		mg/Kg		82	42 - 120
Benzo[g,h,i]perylene	1.67	1.377		mg/Kg		83	38 - 120
Benzo[k]fluoranthene	1.67	1.244		mg/Kg		75	42 - 120
Biphenyl	1.67	1.256		mg/Kg		75	15 - 120
Bis(2-chloroethoxy)methane	1.67	1.237		mg/Kg		74	32 - 120
Bis(2-chloroethyl)ether	1.67	1.167		mg/Kg		70	31 - 120
bis(2-chloroisopropyl) ether	1.67	0.8320		mg/Kg		50	32 - 120
Bis(2-ethylhexyl) phthalate	1.67	1.360		mg/Kg		82	43 - 120
4-Bromophenyl phenyl ether	1.67	1.239		mg/Kg		74	40 - 120
Butyl benzyl phthalate	1.67	1.365		mg/Kg		82	43 - 133
Caprolactam	1.67	1.091		mg/Kg		65	18 - 138
Carbazole	1.67	1.304		mg/Kg		78	44 - 120
4-Chloroaniline	1.67	1.320		mg/Kg		79	35 - 120
4-Chloro-3-methylphenol	1.67	1.319		mg/Kg		79	38 - 120
2-Chloronaphthalene	1.67	1.208		mg/Kg		72	34 - 120
2-Chlorophenol	1.67	1.250		mg/Kg		75	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.297		mg/Kg		78	42 - 120
Chrysene	1.67	1.385		mg/Kg		83	43 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114082/2-A**

**Matrix: Solid**

**Analysis Batch: 114577**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	1.67	1.368		mg/Kg		82	32 - 128
Dibenzofuran	1.67	1.245		mg/Kg		75	41 - 120
3,3'-Dichlorobenzidine	1.67	1.066		mg/Kg		64	39 - 120
2,4-Dichlorophenol	1.67	1.305		mg/Kg		78	32 - 120
Diethyl phthalate	1.67	1.314		mg/Kg		79	41 - 122
2,4-Dimethylphenol	1.67	1.395		mg/Kg		84	32 - 120
Dimethyl phthalate	1.67	1.325	J	mg/Kg		79	55 - 120
Di-n-butyl phthalate	1.67	1.349		mg/Kg		81	46 - 127
4,6-Dinitro-2-methylphenol	3.33	2.688		mg/Kg		81	27 - 134
2,4-Dinitrophenol	3.33	2.355		mg/Kg		71	23 - 142
2,4-Dinitrotoluene	1.67	1.281		mg/Kg		77	43 - 120
2,6-Dinitrotoluene	1.67	1.259		mg/Kg		76	43 - 120
Di-n-octyl phthalate	1.67	1.367		mg/Kg		82	40 - 130
Fluoranthene	1.67	1.301		mg/Kg		78	46 - 120
Fluorene	1.67	1.291		mg/Kg		77	42 - 120
Hexachlorobenzene	1.67	1.265		mg/Kg		76	44 - 120
Hexachlorobutadiene	1.67	1.172		mg/Kg		70	31 - 120
Hexachlorocyclopentadiene	1.67	1.092		mg/Kg		65	24 - 120
Hexachloroethane	1.67	1.159		mg/Kg		70	33 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.299		mg/Kg		78	41 - 121
Isophorone	1.67	1.346		mg/Kg		81	33 - 120
2-Methylnaphthalene	1.67	1.177		mg/Kg		71	28 - 120
2-Methylphenol	1.67	1.349		mg/Kg		81	36 - 120
3 & 4 Methylphenol	1.67	1.383		mg/Kg		83	37 - 120
Naphthalene	1.67	1.155		mg/Kg		69	32 - 120
2-Nitroaniline	1.67	1.417		mg/Kg		85	40 - 120
3-Nitroaniline	1.67	1.195		mg/Kg		72	42 - 120
4-Nitroaniline	1.67	1.220		mg/Kg		73	43 - 120
Nitrobenzene	1.67	1.201		mg/Kg		72	26 - 120
2-Nitrophenol	1.67	1.218		mg/Kg		73	29 - 120
4-Nitrophenol	3.33	2.737		mg/Kg		82	32 - 136
N-Nitrosodi-n-propylamine	1.67	1.306		mg/Kg		78	35 - 120
n-Nitrosodiphenylamine(as diphenylamine)	1.67	1.330		mg/Kg		80	52 - 140
Pentachlorophenol	3.33	3.004		mg/Kg		90	44 - 134
Phenanthrene	1.67	1.309		mg/Kg		79	45 - 120
Phenol	1.67	1.309		mg/Kg		79	30 - 120
Pyrene	1.67	1.341		mg/Kg		80	43 - 120
1,2,4,5-Tetrachlorobenzene	1.67	1.211	J	mg/Kg		73	41 - 120
2,3,4,6-Tetrachlorophenol	1.67	1.401		mg/Kg		84	44 - 120
2,4,5-Trichlorophenol	1.67	1.317		mg/Kg		79	39 - 120
2,4,6-Trichlorophenol	1.67	1.334		mg/Kg		80	39 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	64		29 - 120
2-Fluorophenol (Surr)	63		10 - 120
Nitrobenzene-d5 (Surr)	66		27 - 120
Phenol-d5 (Surr)	69		10 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114082/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114577**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114082**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14 (Surr)	76		13 - 120
2,4,6-Tribromophenol (Surr)	68		10 - 120

**Lab Sample ID: 490-37359-A-13-C MS**  
**Matrix: Solid**  
**Analysis Batch: 114577**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 114082**

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Acenaphthene	<0.00970		1.65	1.483		mg/Kg	☼	90	19 - 120	
Acenaphthylene	<0.00873		1.65	1.462		mg/Kg	☼	88	25 - 120	
Acetophenone	<0.0679		1.65	1.333		mg/Kg	☼	81	10 - 200	
Anthracene	<0.00873		1.65	1.458		mg/Kg	☼	88	28 - 125	
Atrazine	<0.162	*	1.65	5.172	E F	mg/Kg	☼	313	10 - 200	
Benzaldehyde	<0.277		3.31	1.617	J	mg/Kg	☼	49	10 - 200	
Benzo[a]anthracene	<0.0145		1.65	1.457		mg/Kg	☼	88	23 - 120	
Benzo[a]pyrene	<0.0116		1.65	1.399		mg/Kg	☼	85	15 - 128	
Benzo[b]fluoranthene	<0.0116		1.65	1.497		mg/Kg	☼	91	12 - 133	
Benzo[g,h,i]perylene	<0.00873		1.65	1.276		mg/Kg	☼	77	22 - 120	
Benzo[k]fluoranthene	<0.0136		1.65	1.473		mg/Kg	☼	89	28 - 120	
Biphenyl	<0.101		1.65	1.422		mg/Kg	☼	86	10 - 200	
Bis(2-chloroethoxy)methane	<0.0116		1.65	1.314		mg/Kg	☼	79	24 - 120	
Bis(2-chloroethyl)ether	<0.0194		1.65	1.287		mg/Kg	☼	78	22 - 120	
bis (2-chloroisopropyl) ether	<0.130		1.65	1.033		mg/Kg	☼	62	20 - 120	
Bis(2-ethylhexyl) phthalate	<0.0126		1.65	1.495		mg/Kg	☼	90	26 - 120	
4-Bromophenyl phenyl ether	<0.0165		1.65	1.461		mg/Kg	☼	88	31 - 120	
Butyl benzyl phthalate	<0.0155		1.65	1.452		mg/Kg	☼	88	24 - 133	
Caprolactam	<0.105		1.65	1.098		mg/Kg	☼	66	10 - 199	
Carbazole	<0.00679		1.65	1.490		mg/Kg	☼	90	25 - 123	
4-Chloroaniline	<0.161		1.65	1.462		mg/Kg	☼	88	26 - 120	
4-Chloro-3-methylphenol	<0.0155		1.65	1.492		mg/Kg	☼	90	21 - 120	
2-Chloronaphthalene	<0.0165		1.65	1.422		mg/Kg	☼	86	24 - 120	
2-Chlorophenol	<0.0145		1.65	1.334		mg/Kg	☼	81	25 - 120	
4-Chlorophenyl phenyl ether	<0.0233		1.65	1.467		mg/Kg	☼	89	26 - 120	
Chrysene	<0.00873		1.65	1.507		mg/Kg	☼	91	20 - 120	
Dibenz(a,h)anthracene	<0.00679		1.65	1.343		mg/Kg	☼	81	12 - 128	
Dibenzofuran	<0.0126		1.65	1.439		mg/Kg	☼	87	21 - 120	
3,3'-Dichlorobenzidine	<0.129		1.65	1.104		mg/Kg	☼	67	10 - 120	
2,4-Dichlorophenol	<0.0165		1.65	1.439		mg/Kg	☼	87	17 - 120	
Diethyl phthalate	<0.0136		1.65	1.454		mg/Kg	☼	88	29 - 122	
2,4-Dimethylphenol	<0.186		1.65	1.594		mg/Kg	☼	96	17 - 120	
Dimethyl phthalate	0.0366	J	1.65	1.701		mg/Kg	☼	101	30 - 120	
Di-n-butyl phthalate	<0.0126		1.65	1.481		mg/Kg	☼	90	29 - 126	
4,6-Dinitro-2-methylphenol	<0.0999		3.31	1.823		mg/Kg	☼	55	10 - 134	
2,4-Dinitrophenol	<0.107		3.31	0.8833		mg/Kg	☼	27	10 - 150	
2,4-Dinitrotoluene	<0.00873		1.65	1.483		mg/Kg	☼	90	24 - 121	
2,6-Dinitrotoluene	<0.0301		1.65	1.355		mg/Kg	☼	82	24 - 120	
Di-n-octyl phthalate	<0.0126		1.65	1.658		mg/Kg	☼	100	27 - 130	
Fluoranthene	<0.00873		1.65	1.493		mg/Kg	☼	90	10 - 143	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37359-A-13-C MS**  
**Matrix: Solid**  
**Analysis Batch: 114577**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 114082**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Fluorene	<0.0116		1.65	1.493		mg/Kg	*	90	20 - 120	
Hexachlorobenzene	<0.0281		1.65	1.467		mg/Kg	*	89	25 - 120	
Hexachlorobutadiene	<0.0679		1.65	1.368		mg/Kg	*	83	10 - 120	
Hexachlorocyclopentadiene	<0.0155		1.65	1.043		mg/Kg	*	63	10 - 120	
Hexachloroethane	<0.0194		1.65	1.171		mg/Kg	*	71	10 - 120	
Indeno[1,2,3-cd]pyrene	<0.00970		1.65	1.280		mg/Kg	*	77	22 - 121	
Isophorone	<0.0572		1.65	1.453		mg/Kg	*	88	24 - 120	
2-Methylnaphthalene	<0.0155		1.65	1.329		mg/Kg	*	80	13 - 120	
2-Methylphenol	<0.0902		1.65	1.499		mg/Kg	*	91	23 - 120	
3 & 4 Methylphenol	<0.0194		1.65	1.473		mg/Kg	*	89	19 - 120	
Naphthalene	<0.00873		1.65	1.280		mg/Kg	*	77	10 - 120	
2-Nitroaniline	<0.0175		1.65	1.649		mg/Kg	*	100	31 - 120	
3-Nitroaniline	<0.144		1.65	1.558		mg/Kg	*	94	31 - 120	
4-Nitroaniline	<0.0291		1.65	1.564		mg/Kg	*	95	28 - 120	
Nitrobenzene	<0.0165		1.65	1.344		mg/Kg	*	81	19 - 120	
2-Nitrophenol	<0.0126		1.65	1.322		mg/Kg	*	80	23 - 120	
4-Nitrophenol	<0.0145		3.31	3.092		mg/Kg	*	94	16 - 139	
N-Nitrosodi-n-propylamine	<0.0204		1.65	1.396		mg/Kg	*	84	24 - 120	
n-Nitrosodiphenylamine(as diphenylamine)	<0.0155		1.65	1.520		mg/Kg	*	92	26 - 150	
Pentachlorophenol	<0.121		3.31	3.418		mg/Kg	*	103	19 - 145	
Phenanthrene	<0.00873		1.65	1.505		mg/Kg	*	91	21 - 122	
Phenol	<0.0136		1.65	1.450		mg/Kg	*	88	15 - 120	
Pyrene	<0.0116		1.65	1.439		mg/Kg	*	87	20 - 123	
1,2,4,5-Tetrachlorobenzene	<0.250		1.65	1.379	J	mg/Kg	*	83	10 - 200	
2,3,4,6-Tetrachlorophenol	<0.164		1.65	1.625		mg/Kg	*	98	10 - 200	
2,4,5-Trichlorophenol	<0.0165		1.65	1.595		mg/Kg	*	96	27 - 120	
2,4,6-Trichlorophenol	<0.0242		1.65	1.663		mg/Kg	*	101	24 - 122	

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	61		29 - 120
2-Fluorophenol (Surr)	64		10 - 120
Nitrobenzene-d5 (Surr)	66		27 - 120
Phenol-d5 (Surr)	72		10 - 120
Terphenyl-d14 (Surr)	72		13 - 120
2,4,6-Tribromophenol (Surr)	75		10 - 120

**Lab Sample ID: 490-37359-A-13-D MSD**  
**Matrix: Solid**  
**Analysis Batch: 114577**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 114082**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acenaphthene	<0.00970		1.67	1.177		mg/Kg	*	71	19 - 120	23	50	
Acenaphthylene	<0.00873		1.67	1.196		mg/Kg	*	72	25 - 120	20	50	
Acetophenone	<0.0679		1.67	1.079		mg/Kg	*	65	10 - 200	21	50	
Anthracene	<0.00873		1.67	1.252		mg/Kg	*	75	28 - 125	15	49	
Atrazine	<0.162	*	1.67	4.534	E F	mg/Kg	*	272	10 - 200	13	50	
Benzaldehyde	<0.277		3.33	1.616	J	mg/Kg	*	49	10 - 200	0	50	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37359-A-13-D MSD**

**Matrix: Solid**

**Analysis Batch: 114577**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Benzo[a]anthracene	<0.0145		1.67	1.224		mg/Kg	*	73	23 - 120	17	50
Benzo[a]pyrene	<0.0116		1.67	1.245		mg/Kg	*	75	15 - 128	12	50
Benzo[b]fluoranthene	<0.0116		1.67	1.295		mg/Kg	*	78	12 - 133	15	50
Benzo[g,h,i]perylene	<0.00873		1.67	1.130		mg/Kg	*	68	22 - 120	12	50
Benzo[k]fluoranthene	<0.0136		1.67	1.282		mg/Kg	*	77	28 - 120	14	45
Biphenyl	<0.101		1.67	1.162		mg/Kg	*	70	10 - 200	20	50
Bis(2-chloroethoxy)methane	<0.0116		1.67	1.122		mg/Kg	*	67	24 - 120	16	50
Bis(2-chloroethyl)ether	<0.0194		1.67	1.048		mg/Kg	*	63	22 - 120	20	50
bis (2-chloroisopropyl) ether	<0.130		1.67	0.7527		mg/Kg	*	45	20 - 120	31	50
Bis(2-ethylhexyl) phthalate	<0.0126		1.67	1.209		mg/Kg	*	73	26 - 120	21	50
4-Bromophenyl phenyl ether	<0.0165		1.67	1.263		mg/Kg	*	76	31 - 120	15	37
Butyl benzyl phthalate	<0.0155		1.67	1.225		mg/Kg	*	74	24 - 133	17	50
Caprolactam	<0.105		1.67	1.240		mg/Kg	*	74	10 - 199	12	50
Carbazole	<0.00679		1.67	1.294		mg/Kg	*	78	25 - 123	14	46
4-Chloroaniline	<0.161		1.67	1.251		mg/Kg	*	75	26 - 120	16	50
4-Chloro-3-methylphenol	<0.0155		1.67	1.279		mg/Kg	*	77	21 - 120	15	49
2-Chloronaphthalene	<0.0165		1.67	1.101		mg/Kg	*	66	24 - 120	25	50
2-Chlorophenol	<0.0145		1.67	1.109		mg/Kg	*	67	25 - 120	18	50
4-Chlorophenyl phenyl ether	<0.0233		1.67	1.228		mg/Kg	*	74	26 - 120	18	50
Chrysene	<0.00873		1.67	1.249		mg/Kg	*	75	20 - 120	19	49
Dibenz(a,h)anthracene	<0.00679		1.67	1.173		mg/Kg	*	70	12 - 128	14	50
Dibenzofuran	<0.0126		1.67	1.174		mg/Kg	*	70	21 - 120	20	50
3,3'-Dichlorobenzidine	<0.129		1.67	1.007		mg/Kg	*	60	10 - 120	9	50
2,4-Dichlorophenol	<0.0165		1.67	1.199		mg/Kg	*	72	17 - 120	18	50
Diethyl phthalate	<0.0136		1.67	1.221		mg/Kg	*	73	29 - 122	17	45
2,4-Dimethylphenol	<0.186		1.67	1.365		mg/Kg	*	82	17 - 120	15	50
Dimethyl phthalate	0.0366	J	1.67	1.423	J	mg/Kg	*	83	30 - 120	18	46
Di-n-butyl phthalate	<0.0126		1.67	1.268		mg/Kg	*	76	29 - 126	16	49
4,6-Dinitro-2-methylphenol	<0.0999		3.33	1.642		mg/Kg	*	49	10 - 134	10	50
2,4-Dinitrophenol	<0.107		3.33	1.030		mg/Kg	*	31	10 - 150	15	50
2,4-Dinitrotoluene	<0.00873		1.67	1.207		mg/Kg	*	72	24 - 121	21	50
2,6-Dinitrotoluene	<0.0301		1.67	1.184		mg/Kg	*	71	24 - 120	13	50
Di-n-octyl phthalate	<0.0126		1.67	1.409		mg/Kg	*	85	27 - 130	16	50
Fluoranthene	<0.00873		1.67	1.293		mg/Kg	*	78	10 - 143	14	50
Fluorene	<0.0116		1.67	1.225		mg/Kg	*	74	20 - 120	20	50
Hexachlorobenzene	<0.0281		1.67	1.213		mg/Kg	*	73	25 - 120	19	50
Hexachlorobutadiene	<0.0679		1.67	0.9882		mg/Kg	*	59	10 - 120	32	50
Hexachlorocyclopentadiene	<0.0155		1.67	0.7765		mg/Kg	*	47	10 - 120	29	50
Hexachloroethane	<0.0194		1.67	0.9407		mg/Kg	*	56	10 - 120	22	50
Indeno[1,2,3-cd]pyrene	<0.00970		1.67	1.131		mg/Kg	*	68	22 - 121	12	50
Isophorone	<0.0572		1.67	1.227		mg/Kg	*	74	24 - 120	17	50
2-Methylnaphthalene	<0.0155		1.67	1.113		mg/Kg	*	67	13 - 120	18	50
2-Methylphenol	<0.0902		1.67	1.249		mg/Kg	*	75	23 - 120	18	50
3 & 4 Methylphenol	<0.0194		1.67	1.295		mg/Kg	*	78	19 - 120	13	50
Naphthalene	<0.00873		1.67	1.045		mg/Kg	*	63	10 - 120	20	50
2-Nitroaniline	<0.0175		1.67	1.381		mg/Kg	*	83	31 - 120	18	50
3-Nitroaniline	<0.144		1.67	1.386		mg/Kg	*	83	31 - 120	12	49
4-Nitroaniline	<0.0291		1.67	1.410		mg/Kg	*	85	28 - 120	10	49

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37359-A-13-D MSD**

**Matrix: Solid**

**Analysis Batch: 114577**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114082**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Nitrobenzene	<0.0165		1.67	1.086		mg/Kg	*	65	19 - 120	21	50
2-Nitrophenol	<0.0126		1.67	1.146		mg/Kg	*	69	23 - 120	14	50
4-Nitrophenol	<0.0145		3.33	2.884		mg/Kg	*	87	16 - 139	7	45
N-Nitrosodi-n-propylamine	<0.0204		1.67	1.180		mg/Kg	*	71	24 - 120	17	50
n-Nitrosodiphenylamine(as diphenylamine)	<0.0155		1.67	1.285		mg/Kg	*	77	26 - 150	17	50
Pentachlorophenol	<0.121		3.33	2.941		mg/Kg	*	88	19 - 145	15	50
Phenanthrene	<0.00873		1.67	1.322		mg/Kg	*	79	21 - 122	13	50
Phenol	<0.0136		1.67	1.243		mg/Kg	*	75	15 - 120	15	50
Pyrene	<0.0116		1.67	1.190		mg/Kg	*	71	20 - 123	19	50
1,2,4,5-Tetrachlorobenzene	<0.250		1.67	1.132	J	mg/Kg	*	68	10 - 200	20	50
2,3,4,6-Tetrachlorophenol	<0.164		1.67	1.405		mg/Kg	*	84	10 - 200	14	50
2,4,5-Trichlorophenol	<0.0165		1.67	1.350		mg/Kg	*	81	27 - 120	17	50
2,4,6-Trichlorophenol	<0.0242		1.67	1.340		mg/Kg	*	80	24 - 122	22	50

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	45		29 - 120
2-Fluorophenol (Surr)	51		10 - 120
Nitrobenzene-d5 (Surr)	53		27 - 120
Phenol-d5 (Surr)	61		10 - 120
Terphenyl-d14 (Surr)	56		13 - 120
2,4,6-Tribromophenol (Surr)	65		10 - 120

**Lab Sample ID: MB 490-114181/1-A**

**Matrix: Water**

**Analysis Batch: 114534**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114181**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.366		2.00	0.366	ug/L		10/14/13 12:41	10/15/13 20:22	1
Acenaphthylene	<0.330		2.00	0.330	ug/L		10/14/13 12:41	10/15/13 20:22	1
Acetophenone	<1.90		10.0	1.90	ug/L		10/14/13 12:41	10/15/13 20:22	1
Anthracene	<0.883		2.00	0.883	ug/L		10/14/13 12:41	10/15/13 20:22	1
Atrazine	<3.70		10.0	3.70	ug/L		10/14/13 12:41	10/15/13 20:22	1
Benzaldehyde	<2.15		10.0	2.15	ug/L		10/14/13 12:41	10/15/13 20:22	1
Benzo[a]anthracene	<0.324		2.00	0.324	ug/L		10/14/13 12:41	10/15/13 20:22	1
Benzo[a]pyrene	<0.330		2.00	0.330	ug/L		10/14/13 12:41	10/15/13 20:22	1
Benzo[b]fluoranthene	<0.422		2.00	0.422	ug/L		10/14/13 12:41	10/15/13 20:22	1
Benzo[g,h,i]perylene	<0.287		2.00	0.287	ug/L		10/14/13 12:41	10/15/13 20:22	1
Benzo[k]fluoranthene	<0.364		2.00	0.364	ug/L		10/14/13 12:41	10/15/13 20:22	1
Biphenyl	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
Bis(2-chloroethoxy)methane	<1.36		10.0	1.36	ug/L		10/14/13 12:41	10/15/13 20:22	1
Bis(2-chloroethyl)ether	<1.39		10.0	1.39	ug/L		10/14/13 12:41	10/15/13 20:22	1
bis (2-chloroisopropyl) ether	<1.96		10.0	1.96	ug/L		10/14/13 12:41	10/15/13 20:22	1
Bis(2-ethylhexyl) phthalate	2.191	J	10.0	2.06	ug/L		10/14/13 12:41	10/15/13 20:22	1
4-Bromophenyl phenyl ether	<1.37		10.0	1.37	ug/L		10/14/13 12:41	10/15/13 20:22	1
Butyl benzyl phthalate	<1.74		10.0	1.74	ug/L		10/14/13 12:41	10/15/13 20:22	1
Caprolactam	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
Carbazole	<0.299		10.0	0.299	ug/L		10/14/13 12:41	10/15/13 20:22	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114181/1-A**

**Matrix: Water**

**Analysis Batch: 114534**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114181**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Chloroaniline	<1.17		10.0	1.17	ug/L		10/14/13 12:41	10/15/13 20:22	1
4-Chloro-3-methylphenol	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
2-Chloronaphthalene	<1.64		10.0	1.64	ug/L		10/14/13 12:41	10/15/13 20:22	1
2-Chlorophenol	<1.59		10.0	1.59	ug/L		10/14/13 12:41	10/15/13 20:22	1
4-Chlorophenyl phenyl ether	<1.75		10.0	1.75	ug/L		10/14/13 12:41	10/15/13 20:22	1
Chrysene	<1.09		2.00	1.09	ug/L		10/14/13 12:41	10/15/13 20:22	1
Dibenz(a,h)anthracene	<0.644		2.00	0.644	ug/L		10/14/13 12:41	10/15/13 20:22	1
Dibenzofuran	<0.339		10.0	0.339	ug/L		10/14/13 12:41	10/15/13 20:22	1
3,3'-Dichlorobenzidine	<1.52		10.0	1.52	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,4-Dichlorophenol	<1.02		10.0	1.02	ug/L		10/14/13 12:41	10/15/13 20:22	1
Diethyl phthalate	<1.62		10.0	1.62	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,4-Dimethylphenol	<0.996		10.0	0.996	ug/L		10/14/13 12:41	10/15/13 20:22	1
Dimethyl phthalate	<1.81		10.0	1.81	ug/L		10/14/13 12:41	10/15/13 20:22	1
Di-n-butyl phthalate	<1.50		10.0	1.50	ug/L		10/14/13 12:41	10/15/13 20:22	1
4,6-Dinitro-2-methylphenol	<2.07		25.0	2.07	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,4-Dinitrophenol	<2.46		25.0	2.46	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,4-Dinitrotoluene	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,6-Dinitrotoluene	<1.94		10.0	1.94	ug/L		10/14/13 12:41	10/15/13 20:22	1
Di-n-octyl phthalate	<2.31		10.0	2.31	ug/L		10/14/13 12:41	10/15/13 20:22	1
Fluoranthene	<0.347		2.00	0.347	ug/L		10/14/13 12:41	10/15/13 20:22	1
Fluorene	<0.316		2.00	0.316	ug/L		10/14/13 12:41	10/15/13 20:22	1
Hexachlorobenzene	<1.69		10.0	1.69	ug/L		10/14/13 12:41	10/15/13 20:22	1
Hexachlorobutadiene	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
Hexachlorocyclopentadiene	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
Hexachloroethane	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
Indeno[1,2,3-cd]pyrene	<0.381		2.00	0.381	ug/L		10/14/13 12:41	10/15/13 20:22	1
Isophorone	<1.24		10.0	1.24	ug/L		10/14/13 12:41	10/15/13 20:22	1
2-Methylnaphthalene	<0.311		2.00	0.311	ug/L		10/14/13 12:41	10/15/13 20:22	1
2-Methylphenol	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
3 & 4 Methylphenol	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
Naphthalene	<0.398		2.00	0.398	ug/L		10/14/13 12:41	10/15/13 20:22	1
2-Nitroaniline	<1.04		25.0	1.04	ug/L		10/14/13 12:41	10/15/13 20:22	1
3-Nitroaniline	<1.85		25.0	1.85	ug/L		10/14/13 12:41	10/15/13 20:22	1
4-Nitroaniline	<2.39		25.0	2.39	ug/L		10/14/13 12:41	10/15/13 20:22	1
Nitrobenzene	<1.24		10.0	1.24	ug/L		10/14/13 12:41	10/15/13 20:22	1
2-Nitrophenol	<1.57		10.0	1.57	ug/L		10/14/13 12:41	10/15/13 20:22	1
4-Nitrophenol	<3.33		25.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
N-Nitrosodi-n-propylamine	<1.42		10.0	1.42	ug/L		10/14/13 12:41	10/15/13 20:22	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.44		10.0	1.44	ug/L		10/14/13 12:41	10/15/13 20:22	1
Pentachlorophenol	<1.65		25.0	1.65	ug/L		10/14/13 12:41	10/15/13 20:22	1
Phenanthrene	<0.343		2.00	0.343	ug/L		10/14/13 12:41	10/15/13 20:22	1
Phenol	<3.45		10.0	3.45	ug/L		10/14/13 12:41	10/15/13 20:22	1
Pyrene	<0.331		2.00	0.331	ug/L		10/14/13 12:41	10/15/13 20:22	1
1,2,4,5-Tetrachlorobenzene	<4.04		10.0	4.04	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,3,4,6-Tetrachlorophenol	<3.63		10.0	3.63	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,4,5-Trichlorophenol	<2.03		25.0	2.03	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,4,6-Trichlorophenol	<1.76		10.0	1.76	ug/L		10/14/13 12:41	10/15/13 20:22	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114181/1-A**

**Matrix: Water**

**Analysis Batch: 114534**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114181**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	69		29 - 120	10/14/13 12:41	10/15/13 20:22	1
2-Fluorophenol (Surr)	50		10 - 120	10/14/13 12:41	10/15/13 20:22	1
Nitrobenzene-d5 (Surr)	92		27 - 120	10/14/13 12:41	10/15/13 20:22	1
Phenol-d5 (Surr)	36		10 - 120	10/14/13 12:41	10/15/13 20:22	1
Terphenyl-d14 (Surr)	90		13 - 120	10/14/13 12:41	10/15/13 20:22	1
2,4,6-Tribromophenol (Surr)	74		10 - 120	10/14/13 12:41	10/15/13 20:22	1

**Lab Sample ID: LCS 490-114181/2-A**

**Matrix: Water**

**Analysis Batch: 114534**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114181**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	50.0	48.22		ug/L		96	48 - 120
Acetophenone	50.0	49.90		ug/L		100	52 - 133
Anthracene	50.0	50.32		ug/L		101	58 - 130
Atrazine	50.0	62.27		ug/L		125	24 - 133
Benzaldehyde	100	104.0	E	ug/L		104	34 - 120
Benzo[a]anthracene	50.0	51.73		ug/L		103	57 - 120
Benzo[a]pyrene	50.0	53.38		ug/L		107	57 - 124
Benzo[b]fluoranthene	50.0	55.05		ug/L		110	51 - 125
Benzo[g,h,i]perylene	50.0	54.73		ug/L		109	51 - 123
Benzo[k]fluoranthene	50.0	47.27		ug/L		95	51 - 120
Biphenyl	50.0	44.21		ug/L		88	10 - 146
Bis(2-chloroethoxy)methane	50.0	46.82		ug/L		94	44 - 120
Bis(2-chloroethyl)ether	50.0	48.47		ug/L		97	47 - 120
bis (2-chloroisopropyl) ether	50.0	39.51		ug/L		79	44 - 120
Bis(2-ethylhexyl) phthalate	50.0	48.59		ug/L		97	47 - 138
4-Bromophenyl phenyl ether	50.0	48.09		ug/L		96	47 - 127
Butyl benzyl phthalate	50.0	51.02		ug/L		102	51 - 146
Caprolactam	50.0	15.36		ug/L		31	10 - 120
Carbazole	50.0	53.15		ug/L		106	54 - 123
4-Chloroaniline	50.0	44.74		ug/L		89	44 - 120
4-Chloro-3-methylphenol	50.0	54.39		ug/L		109	44 - 120
2-Chloronaphthalene	50.0	44.39		ug/L		89	39 - 120
2-Chlorophenol	50.0	46.49		ug/L		93	40 - 120
4-Chlorophenyl phenyl ether	50.0	46.80		ug/L		94	50 - 120
Chrysene	50.0	50.81		ug/L		102	55 - 120
Dibenz(a,h)anthracene	50.0	57.30		ug/L		115	50 - 125
Dibenzofuran	50.0	46.00		ug/L		92	50 - 120
3,3'-Dichlorobenzidine	50.0	53.58		ug/L		107	46 - 129
2,4-Dichlorophenol	50.0	48.40		ug/L		97	38 - 120
Diethyl phthalate	50.0	48.78		ug/L		98	54 - 128
2,4-Dimethylphenol	50.0	51.19		ug/L		102	21 - 126
Dimethyl phthalate	50.0	48.57		ug/L		97	53 - 127
Di-n-butyl phthalate	50.0	51.52		ug/L		103	54 - 140
4,6-Dinitro-2-methylphenol	100	113.1		ug/L		113	19 - 150
2,4-Dinitrophenol	100	99.22		ug/L		99	20 - 150

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114181/2-A**

**Matrix: Water**

**Analysis Batch: 114534**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114181**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	50.0	56.00		ug/L		112	46 - 132
2,6-Dinitrotoluene	50.0	52.80		ug/L		106	54 - 128
Di-n-octyl phthalate	50.0	49.24		ug/L		98	50 - 142
Fluoranthene	50.0	54.73		ug/L		109	56 - 120
Fluorene	50.0	49.21		ug/L		98	52 - 120
Hexachlorobenzene	50.0	43.98		ug/L		88	48 - 131
Hexachlorobutadiene	50.0	30.32		ug/L		61	28 - 120
Hexachlorocyclopentadiene	50.0	33.56		ug/L		67	17 - 120
Hexachloroethane	50.0	31.17		ug/L		62	30 - 120
Indeno[1,2,3-cd]pyrene	50.0	54.01		ug/L		108	54 - 125
Isophorone	50.0	52.57		ug/L		105	47 - 120
2-Methylnaphthalene	50.0	42.61		ug/L		85	31 - 120
2-Methylphenol	50.0	45.87		ug/L		92	38 - 120
3 & 4 Methylphenol	50.0	43.54		ug/L		87	33 - 120
Naphthalene	50.0	39.09		ug/L		78	37 - 120
2-Nitroaniline	50.0	60.92		ug/L		122	46 - 131
3-Nitroaniline	50.0	53.35		ug/L		107	54 - 121
4-Nitroaniline	50.0	54.71		ug/L		109	55 - 123
Nitrobenzene	50.0	53.05		ug/L		106	36 - 120
2-Nitrophenol	50.0	49.87		ug/L		100	32 - 120
4-Nitrophenol	100	43.88		ug/L		44	10 - 120
N-Nitrosodi-n-propylamine	50.0	55.73		ug/L		111	51 - 120
n-Nitrosodiphenylamine(as diphenylamine)	50.0	51.71		ug/L		103	58 - 149
Pentachlorophenol	100	85.72		ug/L		86	21 - 150
Phenanthrene	50.0	47.97		ug/L		96	56 - 120
Phenol	50.0	24.78		ug/L		50	14 - 120
Pyrene	50.0	49.83		ug/L		100	53 - 129
1,2,4,5-Tetrachlorobenzene	50.0	40.05		ug/L		80	25 - 120
2,3,4,6-Tetrachlorophenol	50.0	50.07		ug/L		100	31 - 148
2,4,5-Trichlorophenol	50.0	49.82		ug/L		100	40 - 129
2,4,6-Trichlorophenol	50.0	51.52		ug/L		103	39 - 135

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	80		29 - 120
2-Fluorophenol (Surr)	53		10 - 120
Nitrobenzene-d5 (Surr)	105		27 - 120
Phenol-d5 (Surr)	39		10 - 120
Terphenyl-d14 (Surr)	97		13 - 120
2,4,6-Tribromophenol (Surr)	86		10 - 120

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC)

**Lab Sample ID: MB 490-113244/1-A**

**Matrix: Water**

**Analysis Batch: 113446**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 113244**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00590		0.0250	0.00590	ug/L		10/10/13 08:04	10/10/13 14:48	1
alpha-BHC	<0.0111		0.0250	0.0111	ug/L		10/10/13 08:04	10/10/13 14:48	1
beta-BHC	<0.00700		0.0250	0.00700	ug/L		10/10/13 08:04	10/10/13 14:48	1
delta-BHC	<0.00770		0.0250	0.00770	ug/L		10/10/13 08:04	10/10/13 14:48	1
gamma-BHC (Lindane)	<0.00570		0.0250	0.00570	ug/L		10/10/13 08:04	10/10/13 14:48	1
alpha-Chlordane	<0.00530		0.0250	0.00530	ug/L		10/10/13 08:04	10/10/13 14:48	1
gamma-Chlordane	<0.0180		0.0250	0.0180	ug/L		10/10/13 08:04	10/10/13 14:48	1
Chlordane (technical)	<0.183		2.00	0.183	ug/L		10/10/13 08:04	10/10/13 14:48	1
4,4'-DDD	<0.00770		0.0250	0.00770	ug/L		10/10/13 08:04	10/10/13 14:48	1
4,4'-DDE	<0.00990		0.0250	0.00990	ug/L		10/10/13 08:04	10/10/13 14:48	1
4,4'-DDT	<0.00890		0.0250	0.00890	ug/L		10/10/13 08:04	10/10/13 14:48	1
Dieldrin	<0.00570		0.0250	0.00570	ug/L		10/10/13 08:04	10/10/13 14:48	1
Endosulfan I	<0.00780		0.0250	0.00780	ug/L		10/10/13 08:04	10/10/13 14:48	1
Endosulfan II	<0.00540		0.0250	0.00540	ug/L		10/10/13 08:04	10/10/13 14:48	1
Endosulfan sulfate	<0.00650		0.0250	0.00650	ug/L		10/10/13 08:04	10/10/13 14:48	1
Endrin	<0.00660		0.0250	0.00660	ug/L		10/10/13 08:04	10/10/13 14:48	1
Endrin aldehyde	<0.00870		0.0250	0.00870	ug/L		10/10/13 08:04	10/10/13 14:48	1
Endrin ketone	<0.00650		0.0250	0.00650	ug/L		10/10/13 08:04	10/10/13 14:48	1
Heptachlor	<0.00570		0.0250	0.00570	ug/L		10/10/13 08:04	10/10/13 14:48	1
Heptachlor epoxide	<0.00700		0.0250	0.00700	ug/L		10/10/13 08:04	10/10/13 14:48	1
Methoxychlor	<0.00530		0.0250	0.00530	ug/L		10/10/13 08:04	10/10/13 14:48	1
Toxaphene	<0.0413		2.00	0.0413	ug/L		10/10/13 08:04	10/10/13 14:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		38 - 150	10/10/13 08:04	10/10/13 14:48	1
DCB Decachlorobiphenyl (Surr)	67		10 - 141	10/10/13 08:04	10/10/13 14:48	1

**Lab Sample ID: LCS 490-113244/2-A**

**Matrix: Water**

**Analysis Batch: 113446**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113244**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.4147		ug/L		83	38 - 128
alpha-BHC	0.500	0.5112		ug/L		102	47 - 136
beta-BHC	0.500	0.4686		ug/L		94	50 - 140
delta-BHC	0.500	0.4096		ug/L		82	35 - 145
gamma-BHC (Lindane)	0.500	0.5017		ug/L		100	50 - 138
alpha-Chlordane	0.500	0.5103		ug/L		102	49 - 137
gamma-Chlordane	0.500	0.5295		ug/L		106	46 - 143
4,4'-DDD	0.500	0.5339		ug/L		107	51 - 150
4,4'-DDE	0.500	0.5003		ug/L		100	49 - 138
4,4'-DDT	0.500	0.5337		ug/L		107	33 - 150
Dieldrin	0.500	0.5365		ug/L		107	49 - 136
Endosulfan I	0.500	0.5078		ug/L		102	10 - 150
Endosulfan II	0.500	0.5395		ug/L		108	11 - 150
Endosulfan sulfate	0.500	0.5530		ug/L		111	43 - 150
Endrin	0.500	0.6420		ug/L		128	54 - 150
Endrin aldehyde	0.500	0.5024		ug/L		100	50 - 150

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 490-113244/2-A**

**Matrix: Water**

**Analysis Batch: 113446**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113244**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin ketone	0.500	0.5144		ug/L		103	50 - 147
Heptachlor	0.500	0.4231		ug/L		85	43 - 146
Heptachlor epoxide	0.500	0.5091		ug/L		102	50 - 136
Methoxychlor	0.500	0.5836		ug/L		117	35 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	74		38 - 150
DCB Decachlorobiphenyl (Surr)	72		10 - 141

**Lab Sample ID: LCS 490-113244/3-A**

**Matrix: Water**

**Analysis Batch: 113446**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113244**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlordane (technical)	5.00	3.396		ug/L		68	49 - 150
Toxaphene	10.0	7.510		ug/L		75	34 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	88		38 - 150
DCB Decachlorobiphenyl (Surr)	86		10 - 141

**Lab Sample ID: MB 490-114033/1-A**

**Matrix: Solid**

**Analysis Batch: 114485**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114033**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000310		0.00170	0.000310	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
alpha-BHC	<0.000200		0.00170	0.000200	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
beta-BHC	<0.00200		0.00330	0.00200	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
delta-BHC	<0.000380		0.00170	0.000380	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
gamma-BHC (Lindane)	<0.000390		0.00170	0.000390	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
alpha-Chlordane	<0.000430		0.00170	0.000430	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
gamma-Chlordane	<0.000790		0.00170	0.000790	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Chlordane (technical)	<0.0363		0.0667	0.0363	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
4,4'-DDD	<0.000430		0.00170	0.000430	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
4,4'-DDE	<0.000500		0.00170	0.000500	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
4,4'-DDT	<0.000850		0.00170	0.000850	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Dieldrin	<0.000400		0.00170	0.000400	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endosulfan I	<0.000470		0.00170	0.000470	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endosulfan II	<0.000550		0.00170	0.000550	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endosulfan sulfate	<0.000500		0.00170	0.000500	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endrin	<0.000430		0.00170	0.000430	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endrin aldehyde	<0.000510		0.00170	0.000510	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endrin ketone	<0.000590		0.00170	0.000590	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Heptachlor	<0.000420		0.00170	0.000420	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Heptachlor epoxide	<0.000650		0.00170	0.000650	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Methoxychlor	<0.000490		0.00330	0.000490	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Toxaphene	<0.0422		0.0667	0.0422	mg/Kg		10/14/13 06:57	10/15/13 13:46	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: MB 490-114033/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114485**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114033**

<i>Surrogate</i>	<i>MB</i>	<i>MB</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	%Recovery	Qualifier				
<i>Tetrachloro-m-xylene</i>	86		21 - 145	10/14/13 06:57	10/15/13 13:46	1
<i>DCB Decachlorobiphenyl (Surr)</i>	101		25 - 150	10/14/13 06:57	10/15/13 13:46	1

**Lab Sample ID: LCS 490-114033/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114485**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114033**

<i>Analyte</i>	<i>Spike</i>	<i>LCS</i>	<i>LCS</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i>
	Added	Result	Qualifier				Limits
Chlordane (technical)	0.167	0.1309		mg/Kg		79	50 - 150
Toxaphene	0.333	0.2472		mg/Kg		74	10 - 150

<i>Surrogate</i>	<i>LCS</i>	<i>LCS</i>	<i>Limits</i>
	%Recovery	Qualifier	
<i>Tetrachloro-m-xylene</i>	86		21 - 145
<i>DCB Decachlorobiphenyl (Surr)</i>	97		25 - 150

**Lab Sample ID: LCS 490-114033/3-A**  
**Matrix: Solid**  
**Analysis Batch: 114485**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114033**

<i>Analyte</i>	<i>Spike</i>	<i>LCS</i>	<i>LCS</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i>
	Added	Result	Qualifier				Limits
Aldrin	0.0167	0.01379		mg/Kg		83	47 - 132
alpha-BHC	0.0167	0.01320		mg/Kg		79	45 - 128
beta-BHC	0.0167	0.01227		mg/Kg		74	48 - 135
delta-BHC	0.0167	0.01212		mg/Kg		73	10 - 149
gamma-BHC (Lindane)	0.0167	0.01291		mg/Kg		77	48 - 131
alpha-Chlordane	0.0167	0.01384		mg/Kg		83	47 - 134
gamma-Chlordane	0.0167	0.01392		mg/Kg		84	48 - 145
4,4'-DDD	0.0167	0.01339		mg/Kg		80	46 - 149
4,4'-DDE	0.0167	0.01342		mg/Kg		81	48 - 139
4,4'-DDT	0.0167	0.01186		mg/Kg		71	24 - 150
Dieldrin	0.0167	0.01353		mg/Kg		81	42 - 137
Endosulfan I	0.0167	0.01360		mg/Kg		82	10 - 150
Endosulfan II	0.0167	0.01369		mg/Kg		82	12 - 150
Endosulfan sulfate	0.0167	0.01339		mg/Kg		80	36 - 148
Endrin	0.0167	0.01572		mg/Kg		94	46 - 145
Endrin aldehyde	0.0167	0.009974		mg/Kg		60	48 - 150
Endrin ketone	0.0167	0.01248		mg/Kg		75	43 - 150
Heptachlor	0.0167	0.01347		mg/Kg		81	45 - 140
Heptachlor epoxide	0.0167	0.01358		mg/Kg		81	47 - 133
Methoxychlor	0.0167	0.01337		mg/Kg		80	23 - 150

<i>Surrogate</i>	<i>LCS</i>	<i>LCS</i>	<i>Limits</i>
	%Recovery	Qualifier	
<i>Tetrachloro-m-xylene</i>	70		21 - 145
<i>DCB Decachlorobiphenyl (Surr)</i>	78		25 - 150

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 490-37157-G-2-B MS**

**Matrix: Solid**

**Analysis Batch: 114485**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114033**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Aldrin	<0.000305		0.0166	<0.000309	F	mg/Kg	☼	0	11 - 140	
alpha-BHC	0.0319		0.0166	0.01245	E p F	mg/Kg	☼	-117	23 - 138	
beta-BHC	<0.00197		0.0166	0.01094	E p	mg/Kg	☼	66	12 - 179	
delta-BHC	<0.000374		0.0166	0.01047	E p	mg/Kg	☼	63	10 - 149	
gamma-BHC (Lindane)	0.0277		0.0166	0.01401	E p F	mg/Kg	☼	-82	24 - 145	
alpha-Chlordane	<0.000423		0.0166	0.01313		mg/Kg	☼	79	10 - 140	
gamma-Chlordane	0.000974		0.0166	0.006882	p	mg/Kg	☼	36	10 - 140	
4,4'-DDD	<0.000423		0.0166	0.01691		mg/Kg	☼	102	10 - 154	
4,4'-DDE	<0.000492		0.0166	0.01337		mg/Kg	☼	80	14 - 139	
4,4'-DDT	0.00609		0.0166	0.01244	p	mg/Kg	☼	38	10 - 152	
Dieldrin	<0.000394		0.0166	0.01787		mg/Kg	☼	107	10 - 148	
Endosulfan I	<0.000463		0.0166	0.01351		mg/Kg	☼	81	10 - 158	
Endosulfan II	<0.000542		0.0166	0.01856		mg/Kg	☼	112	10 - 152	
Endosulfan sulfate	<0.000492		0.0166	0.01192		mg/Kg	☼	72	10 - 148	
Endrin	<0.000423		0.0166	0.01573	p	mg/Kg	☼	95	20 - 145	
Endrin aldehyde	<0.000502		0.0166	0.01238		mg/Kg	☼	74	13 - 167	
Endrin ketone	<0.000581		0.0166	0.01084		mg/Kg	☼	65	13 - 150	
Heptachlor	<0.000414		0.0166	0.01231		mg/Kg	☼	74	10 - 161	
Heptachlor epoxide	<0.000640		0.0166	0.01400		mg/Kg	☼	84	15 - 139	
Methoxychlor	<0.000482		0.0166	0.01120		mg/Kg	☼	67	10 - 175	
		<b>MS MS</b>								
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
<i>Tetrachloro-m-xylene</i>	135	p	21 - 145							
<i>DCB Decachlorobiphenyl (Surr)</i>	64		25 - 150							

**Lab Sample ID: 490-37157-G-2-C MSD**

**Matrix: Solid**

**Analysis Batch: 114485**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114033**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier						RPD	Limit
Aldrin	<0.000305		0.0167	<0.000310	F	mg/Kg	☼	0	11 - 140	NC	50	
alpha-BHC	0.0319		0.0167	0.01311	E p F	mg/Kg	☼	-113	23 - 138	5	50	
beta-BHC	<0.00197		0.0167	0.01056	E p	mg/Kg	☼	63	12 - 179	4	50	
delta-BHC	<0.000374		0.0167	0.01190	E p	mg/Kg	☼	71	10 - 149	13	50	
gamma-BHC (Lindane)	0.0277		0.0167	0.01195	E p F	mg/Kg	☼	-95	24 - 145	16	50	
alpha-Chlordane	<0.000423		0.0167	0.01155	p	mg/Kg	☼	69	10 - 140	13	50	
gamma-Chlordane	0.000974		0.0167	0.006393	p	mg/Kg	☼	33	10 - 140	7	50	
4,4'-DDD	<0.000423		0.0167	0.01082	E p	mg/Kg	☼	65	10 - 154	44	50	
4,4'-DDE	<0.000492		0.0167	0.01168	p	mg/Kg	☼	70	14 - 139	13	50	
4,4'-DDT	0.00609		0.0167	0.01065	E p	mg/Kg	☼	27	10 - 152	16	50	
Dieldrin	<0.000394		0.0167	0.01208	p	mg/Kg	☼	73	10 - 148	39	50	
Endosulfan I	<0.000463		0.0167	0.01131	p	mg/Kg	☼	68	10 - 158	18	50	
Endosulfan II	<0.000542		0.0167	0.01418	p	mg/Kg	☼	85	10 - 152	27	50	
Endosulfan sulfate	<0.000492		0.0167	0.01281		mg/Kg	☼	77	10 - 148	7	50	
Endrin	<0.000423		0.0167	0.01462	p	mg/Kg	☼	88	20 - 145	7	50	
Endrin aldehyde	<0.000502		0.0167	0.01150	p	mg/Kg	☼	69	13 - 167	7	50	
Endrin ketone	<0.000581		0.0167	0.01057		mg/Kg	☼	63	13 - 150	2	50	
Heptachlor	<0.000414		0.0167	0.01231		mg/Kg	☼	74	10 - 161	0	50	

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 490-37157-G-2-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 114485**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 114033**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Heptachlor epoxide	<0.000640		0.0167	0.01463	p	mg/Kg	☼	88	15 - 139	4	50
Methoxychlor	<0.000482		0.0167	0.01177		mg/Kg	☼	71	10 - 175	5	50
<b>MSD MSD</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
Tetrachloro-m-xylene	138	p	21 - 145								
DCB Decachlorobiphenyl (Surr)	71	p	25 - 150								

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 490-113234/1-A**  
**Matrix: Solid**  
**Analysis Batch: 113657**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 113234**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0100		0.0333	0.0100	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
PCB-1221	<0.0100		0.0333	0.0100	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
PCB-1232	<0.0200		0.0333	0.0200	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
PCB-1242	<0.0100		0.0333	0.0100	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
PCB-1248	<0.0100		0.0333	0.0100	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
PCB-1254	<0.0100		0.0333	0.0100	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
PCB-1260	<0.0100		0.0333	0.0100	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
<b>MB MB</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>		<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	89		20 - 150		10/10/13 07:37		10/12/13 15:17		1
Tetrachloro-m-xylene	110		19 - 147		10/10/13 07:37		10/12/13 15:17		1

**Lab Sample ID: LCS 490-113234/2-A**  
**Matrix: Solid**  
**Analysis Batch: 113657**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113234**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
PCB-1242	0.167	0.1620		mg/Kg		97	39 - 150
<b>LCS LCS</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				
DCB Decachlorobiphenyl (Surr)	86		20 - 150				
Tetrachloro-m-xylene	90		19 - 147				

**Lab Sample ID: 490-37157-E-1-B MS**  
**Matrix: Solid**  
**Analysis Batch: 113657**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 113234**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
PCB-1242	<0.00986		0.166	0.1547		mg/Kg	☼	93	10 - 168
<b>MS MS</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
DCB Decachlorobiphenyl (Surr)	80		20 - 150						
Tetrachloro-m-xylene	84		19 - 147						

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: 490-37157-E-1-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 113657**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 113234**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier						
PCB-1242	<0.00986		0.173	0.1600		mg/Kg	☼	92	10 - 168	3	50
<b>MSD MSD</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
DCB Decachlorobiphenyl (Surr)	82		20 - 150								
Tetrachloro-m-xylene	84		19 - 147								

**Lab Sample ID: MB 490-113265/1-A**  
**Matrix: Water**  
**Analysis Batch: 113407**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 113265**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
PCB-1016	<0.0490		0.500	0.0490	ug/L		10/10/13 09:23	10/10/13 19:05	1	
PCB-1221	<0.260		0.500	0.260	ug/L		10/10/13 09:23	10/10/13 19:05	1	
PCB-1232	<0.0700		0.500	0.0700	ug/L		10/10/13 09:23	10/10/13 19:05	1	
PCB-1242	<0.0640		0.500	0.0640	ug/L		10/10/13 09:23	10/10/13 19:05	1	
PCB-1248	<0.0690		0.500	0.0690	ug/L		10/10/13 09:23	10/10/13 19:05	1	
PCB-1254	<0.00700		0.500	0.00700	ug/L		10/10/13 09:23	10/10/13 19:05	1	
PCB-1260	<0.0120		0.500	0.0120	ug/L		10/10/13 09:23	10/10/13 19:05	1	
<b>MB MB</b>										
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>				
DCB Decachlorobiphenyl (Surr)	61		10 - 150	10/10/13 09:23	10/10/13 19:05	1				
Tetrachloro-m-xylene	112		10 - 150	10/10/13 09:23	10/10/13 19:05	1				

**Lab Sample ID: LCS 490-113265/2-A**  
**Matrix: Water**  
**Analysis Batch: 113407**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113265**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
PCB-1242	5.00	4.180		ug/L		84	10 - 150	
<b>LCS LCS</b>								
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>					
DCB Decachlorobiphenyl (Surr)	61		10 - 150					
Tetrachloro-m-xylene	107		10 - 150					

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 490-113437/1-A**  
**Matrix: Water**  
**Analysis Batch: 114950**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 113437**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0680		0.100	0.0680	mg/L		10/10/13 13:47	10/16/13 16:48	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/10/13 13:47	10/16/13 16:48	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/10/13 13:47	10/16/13 16:48	1
Barium	<0.000500		0.0100	0.000500	mg/L		10/10/13 13:47	10/16/13 16:48	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/10/13 13:47	10/16/13 16:48	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/10/13 13:47	10/16/13 16:48	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-113437/1-A**  
**Matrix: Water**  
**Analysis Batch: 114950**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 113437**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.150		1.00	0.150	mg/L		10/10/13 13:47	10/16/13 16:48	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/10/13 13:47	10/16/13 16:48	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/10/13 13:47	10/16/13 16:48	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/10/13 13:47	10/16/13 16:48	1
Iron	<0.0100		0.100	0.0100	mg/L		10/10/13 13:47	10/16/13 16:48	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/10/13 13:47	10/16/13 16:48	1
Magnesium	<0.0530		1.00	0.0530	mg/L		10/10/13 13:47	10/16/13 16:48	1
Manganese	<0.00200		0.0150	0.00200	mg/L		10/10/13 13:47	10/16/13 16:48	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/10/13 13:47	10/16/13 16:48	1
Potassium	0.4053	J	1.00	0.0880	mg/L		10/10/13 13:47	10/16/13 16:48	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/10/13 13:47	10/16/13 16:48	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/10/13 13:47	10/16/13 16:48	1
Sodium	0.6647	J	1.00	0.360	mg/L		10/10/13 13:47	10/16/13 16:48	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/10/13 13:47	10/16/13 16:48	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/10/13 13:47	10/16/13 16:48	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/10/13 13:47	10/16/13 16:48	1

**Lab Sample ID: LCS 490-113437/2-A**  
**Matrix: Water**  
**Analysis Batch: 114950**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113437**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.935		mg/L		97	80 - 120
Antimony	0.100	0.09890		mg/L		99	80 - 120
Arsenic	0.0500	0.04650		mg/L		93	80 - 120
Barium	2.00	2.095		mg/L		105	80 - 120
Beryllium	0.0500	0.05300		mg/L		106	80 - 120
Cadmium	0.0500	0.05300		mg/L		106	80 - 120
Calcium	5.00	4.939		mg/L		99	80 - 120
Chromium	0.200	0.2068		mg/L		103	80 - 120
Cobalt	0.500	0.5146		mg/L		103	80 - 120
Copper	0.250	0.2549		mg/L		102	80 - 120
Iron	1.00	1.037		mg/L		104	80 - 120
Lead	0.0500	0.05210		mg/L		104	80 - 120
Magnesium	5.00	5.015		mg/L		100	80 - 120
Manganese	0.500	0.5380		mg/L		108	80 - 120
Nickel	0.500	0.5211		mg/L		104	80 - 120
Potassium	5.00	4.992		mg/L		100	80 - 120
Selenium	0.0500	0.05100		mg/L		102	80 - 120
Silver	0.0500	0.05260		mg/L		105	80 - 120
Sodium	5.00	5.527		mg/L		111	80 - 120
Thallium	0.0500	0.05190		mg/L		104	80 - 120
Vanadium	0.500	0.5128		mg/L		103	80 - 120
Zinc	0.500	0.5103		mg/L		102	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCSD 490-113437/3-A**

**Matrix: Water**

**Analysis Batch: 114950**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 113437**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Aluminum	2.00	1.918		mg/L		96	80 - 120	1	20	
Antimony	0.100	0.09490		mg/L		95	80 - 120	4	20	
Arsenic	0.0500	0.04740		mg/L		95	80 - 120	2	20	
Barium	2.00	2.081		mg/L		104	80 - 120	1	20	
Beryllium	0.0500	0.05260		mg/L		105	80 - 120	1	20	
Cadmium	0.0500	0.05260		mg/L		105	80 - 120	1	20	
Calcium	5.00	4.923		mg/L		98	80 - 120	0	20	
Chromium	0.200	0.2038		mg/L		102	80 - 120	1	20	
Cobalt	0.500	0.5131		mg/L		103	80 - 120	0	20	
Copper	0.250	0.2528		mg/L		101	80 - 120	1	20	
Iron	1.00	1.039		mg/L		104	80 - 120	0	20	
Lead	0.0500	0.05240		mg/L		105	80 - 120	1	20	
Magnesium	5.00	5.029		mg/L		101	80 - 120	0	20	
Manganese	0.500	0.5273		mg/L		105	80 - 120	2	20	
Nickel	0.500	0.5174		mg/L		103	80 - 120	1	20	
Potassium	5.00	4.905		mg/L		98	80 - 120	2	20	
Selenium	0.0500	0.04840		mg/L		97	80 - 120	5	20	
Silver	0.0500	0.05160		mg/L		103	80 - 120	2	20	
Sodium	5.00	5.390		mg/L		108	80 - 120	3	20	
Thallium	0.0500	0.05000		mg/L		100	80 - 120	4	20	
Vanadium	0.500	0.5130		mg/L		103	80 - 120	0	20	
Zinc	0.500	0.5017		mg/L		100	80 - 120	2	20	

**Lab Sample ID: 490-37270-3 MS**

**Matrix: Ground Water**

**Analysis Batch: 114950**

**Client Sample ID: Tract 29 TW2 24-28'**

**Prep Type: Total/NA**

**Prep Batch: 113437**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	RPD
Aluminum	59.0		2.00	63.92	4	mg/L		246	75 - 125	
Antimony	<0.00670		0.100	0.02980	F	mg/L		30	75 - 125	
Arsenic	0.0725		0.0500	0.1132		mg/L		81	75 - 125	
Barium	0.122		2.00	1.880		mg/L		88	75 - 125	
Beryllium	0.00540		0.0500	0.05100		mg/L		91	75 - 125	
Cadmium	0.00350		0.0500	0.04700		mg/L		87	75 - 125	
Calcium	325		5.00	330.1	4	mg/L		106	75 - 125	
Chromium	0.226		0.200	0.3933		mg/L		84	75 - 125	
Cobalt	0.0267		0.500	0.5530		mg/L		105	75 - 125	
Copper	0.0274		0.250	0.2430		mg/L		86	75 - 125	
Iron	125		1.00	120.7	4	mg/L		-410	75 - 125	
Lead	0.0944		0.0500	0.1458		mg/L		103	75 - 125	
Magnesium	38.4		5.00	42.19	4	mg/L		77	75 - 125	
Manganese	1.35		0.500	1.763		mg/L		83	75 - 125	
Nickel	0.0738		0.500	0.5998		mg/L		105	75 - 125	
Potassium	17.1	B	5.00	21.04		mg/L		78	75 - 125	
Selenium	<0.00640		0.0500	0.03640	F	mg/L		73	75 - 125	
Silver	<0.00130		0.0500	0.04230		mg/L		85	75 - 125	
Sodium	51.7	B	5.00	55.63	4	mg/L		79	75 - 125	
Thallium	<0.00450		0.0500	0.04420		mg/L		88	75 - 125	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37270-3 MS**  
**Matrix: Ground Water**  
**Analysis Batch: 114950**

**Client Sample ID: Tract 29 TW2 24-28'**  
**Prep Type: Total/NA**  
**Prep Batch: 113437**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Vanadium	0.215		0.500	0.6426		mg/L		85	75 - 125
Zinc	0.208		0.500	0.6367		mg/L		86	75 - 125

**Lab Sample ID: 490-37270-3 MSD**  
**Matrix: Ground Water**  
**Analysis Batch: 114950**

**Client Sample ID: Tract 29 TW2 24-28'**  
**Prep Type: Total/NA**  
**Prep Batch: 113437**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Aluminum	59.0		2.00	62.89	4	mg/L		194	75 - 125	2	20
Antimony	<0.00670		0.100	0.03130	F	mg/L		31	75 - 125	5	20
Arsenic	0.0725		0.0500	0.1117		mg/L		78	75 - 125	1	20
Barium	0.122		2.00	1.890		mg/L		88	75 - 125	1	20
Beryllium	0.00540		0.0500	0.05150		mg/L		92	75 - 125	1	20
Cadmium	0.00350		0.0500	0.04760		mg/L		88	75 - 125	1	20
Calcium	325		5.00	331.5	4	mg/L		134	75 - 125	0	20
Chromium	0.226		0.200	0.3824		mg/L		78	75 - 125	3	20
Cobalt	0.0267		0.500	0.5568		mg/L		106	75 - 125	1	20
Copper	0.0274		0.250	0.2437		mg/L		87	75 - 125	0	20
Iron	125		1.00	117.3	4	mg/L		-750	75 - 125	3	20
Lead	0.0944		0.0500	0.1444		mg/L		100	75 - 125	1	20
Magnesium	38.4		5.00	42.07	4	mg/L		74	75 - 125	0	20
Manganese	1.35		0.500	1.738		mg/L		78	75 - 125	1	20
Nickel	0.0738		0.500	0.5960		mg/L		104	75 - 125	1	20
Potassium	17.1	B	5.00	21.10		mg/L		79	75 - 125	0	20
Selenium	<0.00640		0.0500	0.03310	F	mg/L		66	75 - 125	9	20
Silver	<0.00130		0.0500	0.04310		mg/L		86	75 - 125	2	20
Sodium	51.7	B	5.00	54.95	4	mg/L		65	75 - 125	1	20
Thallium	<0.00450		0.0500	0.04560		mg/L		91	75 - 125	3	20
Vanadium	0.215		0.500	0.6381		mg/L		85	75 - 125	1	20
Zinc	0.208		0.500	0.6433		mg/L		87	75 - 125	1	20

**Lab Sample ID: MB 490-114999/1-A**  
**Matrix: Solid**  
**Analysis Batch: 115266**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114999**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<15.9		19.8	15.9	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Antimony	<1.39		9.92	1.39	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Arsenic	<0.942		1.98	0.942	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Barium	<0.198		1.98	0.198	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Beryllium	<0.0992		0.992	0.0992	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Cadmium	<0.0992		0.992	0.0992	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Calcium	<43.7		198	43.7	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Chromium	<0.298		0.992	0.298	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Cobalt	<0.298		1.98	0.298	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Copper	<1.69		1.98	1.69	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Iron	4.266	J	19.8	1.49	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Lead	<0.694		0.992	0.694	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Magnesium	<12.9		198	12.9	mg/Kg		10/17/13 09:42	10/17/13 19:48	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-114999/1-A**  
**Matrix: Solid**  
**Analysis Batch: 115266**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114999**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Manganese	0.3571	J	2.98	0.327	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Nickel	<0.298		1.98	0.298	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Potassium	<19.8		198	19.8	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Selenium	<1.49		1.98	1.49	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Silver	<0.298		0.992	0.298	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Sodium	<19.8		198	19.8	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Thallium	<1.19		1.98	1.19	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Vanadium	<3.08		9.92	3.08	mg/Kg		10/17/13 09:42	10/17/13 19:48	1
Zinc	<0.992		9.92	0.992	mg/Kg		10/17/13 09:42	10/17/13 19:48	1

**Lab Sample ID: LCS 490-114999/2-A**  
**Matrix: Solid**  
**Analysis Batch: 115266**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114999**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aluminum	775	693.2		mg/Kg		89	80 - 120
Antimony	38.8	31.74		mg/Kg		82	80 - 120
Arsenic	19.4	16.78		mg/Kg		87	80 - 120
Barium	775	755.8		mg/Kg		97	80 - 120
Beryllium	19.4	19.32		mg/Kg		100	80 - 120
Cadmium	19.4	19.01		mg/Kg		98	80 - 120
Calcium	1940	1834		mg/Kg		95	80 - 120
Chromium	77.5	75.43		mg/Kg		97	80 - 120
Cobalt	194	189.7		mg/Kg		98	80 - 120
Copper	96.9	91.14		mg/Kg		94	80 - 120
Iron	388	372.9		mg/Kg		96	80 - 120
Lead	19.4	19.69		mg/Kg		102	80 - 120
Magnesium	1940	1858		mg/Kg		96	80 - 120
Manganese	194	194.8		mg/Kg		100	80 - 120
Nickel	194	190.2		mg/Kg		98	80 - 120
Potassium	1940	1746		mg/Kg		90	80 - 120
Selenium	19.4	17.03		mg/Kg		88	80 - 120
Silver	19.4	19.01		mg/Kg		98	80 - 120
Sodium	1940	1839		mg/Kg		95	80 - 120
Thallium	19.4	17.71		mg/Kg		91	80 - 120
Vanadium	194	187.9		mg/Kg		97	80 - 120
Zinc	194	181.1		mg/Kg		93	80 - 120

**Lab Sample ID: LCSD 490-114999/3-A**  
**Matrix: Solid**  
**Analysis Batch: 115266**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 114999**

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
Aluminum	775	712.8		mg/Kg		92	80 - 120	3	20
Antimony	38.8	30.93		mg/Kg		80	80 - 120	3	20
Arsenic	19.4	17.48		mg/Kg		90	80 - 120	4	20
Barium	775	758.3		mg/Kg		98	80 - 120	0	20
Beryllium	19.4	19.81		mg/Kg		102	80 - 120	2	20
Cadmium	19.4	19.05		mg/Kg		98	80 - 120	0	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCSD 490-114999/3-A**  
**Matrix: Solid**  
**Analysis Batch: 115266**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 114999**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD
							Limits	RPD	
Calcium	1940	1886		mg/Kg		97	80 - 120	3	20
Chromium	77.5	75.50		mg/Kg		97	80 - 120	0	20
Cobalt	194	190.4		mg/Kg		98	80 - 120	0	20
Copper	96.9	93.68		mg/Kg		97	80 - 120	3	20
Iron	388	383.3		mg/Kg		99	80 - 120	3	20
Lead	19.4	19.84		mg/Kg		102	80 - 120	1	20
Magnesium	1940	1913		mg/Kg		99	80 - 120	3	20
Manganese	194	195.0		mg/Kg		101	80 - 120	0	20
Nickel	194	190.9		mg/Kg		98	80 - 120	0	20
Potassium	1940	1778		mg/Kg		92	80 - 120	2	20
Selenium	19.4	18.04		mg/Kg		93	80 - 120	6	20
Silver	19.4	19.15		mg/Kg		99	80 - 120	1	20
Sodium	1940	1883		mg/Kg		97	80 - 120	2	20
Thallium	19.4	17.95		mg/Kg		93	80 - 120	1	20
Vanadium	194	192.9		mg/Kg		100	80 - 120	3	20
Zinc	194	182.2		mg/Kg		94	80 - 120	1	20

**Lab Sample ID: 490-37848-A-2-AI MS**  
**Matrix: Solid**  
**Analysis Batch: 115266**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 114999**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	RPD
Aluminum	14100		933	19080	4	mg/Kg	☼	529	75 - 125	
Antimony	<1.55		46.6	37.77		mg/Kg	☼	81	75 - 125	
Arsenic	6.41		23.3	26.09		mg/Kg	☼	84	75 - 125	
Barium	237		933	1137		mg/Kg	☼	96	75 - 125	
Beryllium	0.755 J		23.3	23.34		mg/Kg	☼	97	75 - 125	
Cadmium	2.46		23.3	24.41		mg/Kg	☼	94	75 - 125	
Calcium	43600		2330	45270	4	mg/Kg	☼	73	75 - 125	
Chromium	15.3		93.3	105.7		mg/Kg	☼	97	75 - 125	
Cobalt	6.84		233	247.1		mg/Kg	☼	103	75 - 125	
Copper	84.7		117	162.4	F	mg/Kg	☼	67	75 - 125	
Iron	20000 B		466	21880	4	mg/Kg	☼	406	75 - 125	
Lead	1060		23.3	997.1	4	mg/Kg	☼	-291	75 - 125	
Magnesium	12400		2330	15640	4	mg/Kg	☼	139	75 - 125	
Manganese	437 B		233	697.1		mg/Kg	☼	111	75 - 125	
Nickel	19.5		233	261.6		mg/Kg	☼	104	75 - 125	
Potassium	2270		2330	4770		mg/Kg	☼	107	75 - 125	
Selenium	<1.66		23.3	15.53	F	mg/Kg	☼	67	75 - 125	
Silver	<0.333		23.3	22.78		mg/Kg	☼	98	75 - 125	
Sodium	1070		2330	3446		mg/Kg	☼	102	75 - 125	
Thallium	<1.33		23.3	22.08		mg/Kg	☼	95	75 - 125	
Vanadium	25.2		233	250.1		mg/Kg	☼	96	75 - 125	
Zinc	64.8		233	285.3		mg/Kg	☼	95	75 - 125	

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37848-A-2-AJ MSD**

**Matrix: Solid**

**Analysis Batch: 115266**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114999**

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD Qualifier	Unit	D	%Rec	%Rec.	RPD	Limit
	Result			Result					Limits		
Aluminum	14100		912	24470	4 F	mg/Kg	☼	1132	75 - 125	25	20
Antimony	<1.55		45.6	33.62	F	mg/Kg	☼	74	75 - 125	12	20
Arsenic	6.41		22.8	24.20		mg/Kg	☼	78	75 - 125	8	20
Barium	237		912	1053		mg/Kg	☼	89	75 - 125	8	20
Beryllium	0.755	J	22.8	21.44		mg/Kg	☼	91	75 - 125	8	20
Cadmium	2.46		22.8	22.21		mg/Kg	☼	87	75 - 125	9	20
Calcium	43600		2280	41030	4	mg/Kg	☼	-111	75 - 125	10	20
Chromium	15.3		91.2	102.2		mg/Kg	☼	95	75 - 125	3	20
Cobalt	6.84		228	225.6		mg/Kg	☼	96	75 - 125	9	20
Copper	84.7		114	228.0	F	mg/Kg	☼	126	75 - 125	34	20
Iron	20000	B	456	22520	4	mg/Kg	☼	556	75 - 125	3	20
Lead	1060		22.8	5207	4 F	mg/Kg	☼	18161	75 - 125	136	20
Magnesium	12400		2280	15310	4	mg/Kg	☼	128	75 - 125	2	20
Manganese	437	B	228	621.9		mg/Kg	☼	81	75 - 125	11	20
Nickel	19.5		228	238.1		mg/Kg	☼	96	75 - 125	9	20
Potassium	2270		2280	5998	F	mg/Kg	☼	163	75 - 125	23	20
Selenium	<1.66		22.8	15.05	F	mg/Kg	☼	66	75 - 125	3	20
Silver	<0.333		22.8	20.73		mg/Kg	☼	91	75 - 125	9	20
Sodium	1070		2280	3227		mg/Kg	☼	95	75 - 125	7	20
Thallium	<1.33		22.8	20.94		mg/Kg	☼	92	75 - 125	5	20
Vanadium	25.2		228	243.4		mg/Kg	☼	96	75 - 125	3	20
Zinc	64.8		228	261.6		mg/Kg	☼	86	75 - 125	9	20

**Lab Sample ID: MB 490-114686/1-B**

**Matrix: Water**

**Analysis Batch: 115270**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 114693**

Analyte	MB	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result								
Antimony	<0.00670		0.0100	0.00670	mg/L		10/16/13 09:22	10/17/13 16:24	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/16/13 09:22	10/17/13 16:24	1
Barium	<0.000500		0.0100	0.000500	mg/L		10/16/13 09:22	10/17/13 16:24	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/16/13 09:22	10/17/13 16:24	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/16/13 09:22	10/17/13 16:24	1
Calcium	<0.150		1.00	0.150	mg/L		10/16/13 09:22	10/17/13 16:24	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/16/13 09:22	10/17/13 16:24	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/16/13 09:22	10/17/13 16:24	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/16/13 09:22	10/17/13 16:24	1
Iron	<0.0100		0.100	0.0100	mg/L		10/16/13 09:22	10/17/13 16:24	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/16/13 09:22	10/17/13 16:24	1
Magnesium	0.08750	J	1.00	0.0530	mg/L		10/16/13 09:22	10/17/13 16:24	1
Manganese	<0.00200		0.0150	0.00200	mg/L		10/16/13 09:22	10/17/13 16:24	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/16/13 09:22	10/17/13 16:24	1
Potassium	0.3629	J	1.00	0.0880	mg/L		10/16/13 09:22	10/17/13 16:24	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/16/13 09:22	10/17/13 16:24	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/16/13 09:22	10/17/13 16:24	1
Sodium	0.9629	J	1.00	0.360	mg/L		10/16/13 09:22	10/17/13 16:24	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/16/13 09:22	10/17/13 16:24	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/16/13 09:22	10/17/13 16:24	1

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-114686/1-B**  
**Matrix: Water**  
**Analysis Batch: 115270**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 114693**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.0100		0.0500	0.0100	mg/L		10/16/13 09:22	10/17/13 16:24	1

**Lab Sample ID: MB 490-114686/1-B**  
**Matrix: Water**  
**Analysis Batch: 115713**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 114693**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0680		0.100	0.0680	mg/L		10/16/13 09:22	10/18/13 14:27	1

**Lab Sample ID: LCS 490-114686/2-B**  
**Matrix: Water**  
**Analysis Batch: 115270**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 114693**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							Limits	
Aluminum	2.00	2.108		mg/L		105	80 - 120	
Antimony	0.100	0.1061		mg/L		106	80 - 120	
Arsenic	0.0500	0.04900		mg/L		98	80 - 120	
Barium	2.00	2.048		mg/L		102	80 - 120	
Beryllium	0.0500	0.05430		mg/L		109	80 - 120	
Cadmium	0.0500	0.05490		mg/L		110	80 - 120	
Calcium	5.00	5.035		mg/L		101	80 - 120	
Chromium	0.200	0.2119		mg/L		106	80 - 120	
Cobalt	0.500	0.5251		mg/L		105	80 - 120	
Copper	0.250	0.2660		mg/L		106	80 - 120	
Iron	1.00	1.064		mg/L		106	80 - 120	
Lead	0.0500	0.05390		mg/L		108	80 - 120	
Magnesium	5.00	5.211		mg/L		104	80 - 120	
Manganese	0.500	0.5476		mg/L		110	80 - 120	
Nickel	0.500	0.5362		mg/L		107	80 - 120	
Potassium	5.00	5.366		mg/L		107	80 - 120	
Selenium	0.0500	0.05500		mg/L		110	80 - 120	
Silver	0.0500	0.05450		mg/L		109	80 - 120	
Sodium	5.00	5.956		mg/L		119	80 - 120	
Thallium	0.0500	0.04820		mg/L		96	80 - 120	
Vanadium	0.500	0.5378		mg/L		108	80 - 120	
Zinc	0.500	0.5340		mg/L		107	80 - 120	

**Lab Sample ID: LCSD 490-114686/3-B**  
**Matrix: Water**  
**Analysis Batch: 115270**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 114693**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
							Limits		RPD	Limit
Aluminum	2.00	2.070		mg/L		104	80 - 120	2	20	
Antimony	0.100	0.1100		mg/L		110	80 - 120	4	20	
Arsenic	0.0500	0.05290		mg/L		106	80 - 120	8	20	
Barium	2.00	2.129		mg/L		106	80 - 120	4	20	
Beryllium	0.0500	0.05420		mg/L		108	80 - 120	0	20	
Cadmium	0.0500	0.05620		mg/L		112	80 - 120	2	20	
Calcium	5.00	4.995		mg/L		100	80 - 120	1	20	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCSD 490-114686/3-B**  
**Matrix: Water**  
**Analysis Batch: 115270**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 114693**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD Limit
							Limits	RPD	
Chromium	0.200	0.2113		mg/L		106	80 - 120	0	20
Cobalt	0.500	0.5459		mg/L		109	80 - 120	4	20
Copper	0.250	0.2569		mg/L		103	80 - 120	3	20
Iron	1.00	1.054		mg/L		105	80 - 120	1	20
Lead	0.0500	0.05530		mg/L		111	80 - 120	3	20
Magnesium	5.00	5.248		mg/L		105	80 - 120	1	20
Manganese	0.500	0.5558		mg/L		111	80 - 120	1	20
Nickel	0.500	0.5585		mg/L		112	80 - 120	4	20
Potassium	5.00	5.270		mg/L		105	80 - 120	2	20
Selenium	0.0500	0.05790		mg/L		116	80 - 120	5	20
Silver	0.0500	0.05500		mg/L		110	80 - 120	1	20
Sodium	5.00	5.798		mg/L		116	80 - 120	3	20
Thallium	0.0500	0.05010		mg/L		100	80 - 120	4	20
Vanadium	0.500	0.5345		mg/L		107	80 - 120	1	20
Zinc	0.500	0.5488		mg/L		110	80 - 120	3	20

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 490-115153/1-A**  
**Matrix: Water**  
**Analysis Batch: 115793**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 115153**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000150		0.000200	0.000150	mg/L		10/17/13 13:45	10/21/13 10:28	1

**Lab Sample ID: LCS 490-115153/2-A**  
**Matrix: Water**  
**Analysis Batch: 115793**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 115153**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Mercury	0.00100	0.001064		mg/L		106	80 - 120	

**Lab Sample ID: LCSD 490-115153/3-A**  
**Matrix: Water**  
**Analysis Batch: 115793**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 115153**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD Limit
							Limits	RPD	
Mercury	0.00100	0.001049		mg/L		105	80 - 120	1	20

**Lab Sample ID: 490-37253-J-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 115793**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 115153**

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Mercury	<0.000150		0.00100	0.0009542		mg/L		95	75 - 125	

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 7470A - Mercury (CVAA) (Continued)

**Lab Sample ID: 490-37253-J-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 115793**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 115153**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.000150		0.00100	0.0008790		mg/L		88	75 - 125	8	20

**Lab Sample ID: MB 490-115920/1-B**  
**Matrix: Water**  
**Analysis Batch: 116093**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 115921**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/22/13 06:42	10/22/13 12:24	1

**Lab Sample ID: LCS 490-115920/2-B**  
**Matrix: Water**  
**Analysis Batch: 116093**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 115921**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.0009328		mg/L		93	80 - 120

**Lab Sample ID: LCSD 490-115920/3-B**  
**Matrix: Water**  
**Analysis Batch: 116093**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 115921**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.0009805		mg/L		98	80 - 120	5	20

## Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

**Lab Sample ID: MB 490-116110/1-A**  
**Matrix: Solid**  
**Analysis Batch: 116398**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 116110**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0294		0.0980	0.0294	mg/Kg		10/22/13 13:44	10/23/13 09:50	1

**Lab Sample ID: LCS 490-116110/2-A**  
**Matrix: Solid**  
**Analysis Batch: 116398**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 116110**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.1829		mg/Kg		109	80 - 120

**Lab Sample ID: LCSD 490-116110/3-A**  
**Matrix: Solid**  
**Analysis Batch: 116398**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 116110**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.163	0.1731		mg/Kg		106	80 - 120	6	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique) (Continued)

**Lab Sample ID: 490-37260-A-1-J MS**

**Matrix: Solid**

**Analysis Batch: 116398**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 116110**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.0323		0.182	0.1857		mg/Kg	☼	102	80 - 120

**Lab Sample ID: 490-37260-A-1-K MSD**

**Matrix: Solid**

**Analysis Batch: 116398**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 116110**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.0323		0.177	0.1722		mg/Kg	☼	97	80 - 120	8	20

## Method: 7196A - Chromium, Hexavalent

**Lab Sample ID: MB 680-297614/2**

**Matrix: Water**

**Analysis Batch: 297614**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.00300		0.0100	0.00300	mg/L			10/09/13 11:51	1

**Lab Sample ID: LCS 680-297614/1**

**Matrix: Water**

**Analysis Batch: 297614**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.200	0.2007		mg/L		100	85 - 115

**Lab Sample ID: 490-37270-4 MS**

**Matrix: Ground Water**

**Analysis Batch: 297614**

**Client Sample ID: Tract 29 TW2 24-28'**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	<0.0300		2.00	1.955		mg/L		98	85 - 115

**Lab Sample ID: 490-37270-5 MS**

**Matrix: Ground Water**

**Analysis Batch: 297614**

**Client Sample ID: Tract 33 TW1 20-24'**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	<0.0300		2.00	1.963		mg/L		98	85 - 115

**Lab Sample ID: 490-37270-5 MSD**

**Matrix: Ground Water**

**Analysis Batch: 297614**

**Client Sample ID: Tract 33 TW1 20-24'**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium, hexavalent	<0.0300		2.00	1.977		mg/L		99	85 - 115	1	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Method: 7196A - Chromium, Hexavalent (Continued)

**Lab Sample ID: MB 680-298017/1-A**  
**Matrix: Solid**  
**Analysis Batch: 298868**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 298017**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.300		1.00	0.300	mg/Kg		10/11/13 14:33	10/16/13 09:39	1

**Lab Sample ID: LCS 680-298017/2-A**  
**Matrix: Solid**  
**Analysis Batch: 298868**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 298017**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	20.0	18.37		mg/Kg		92	80 - 120

**Lab Sample ID: 490-37157-H-1-C MS**  
**Matrix: Solid**  
**Analysis Batch: 298868**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 298017**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.904	J	93.0	37.45	F	mg/Kg	☼	39	80 - 120

**Lab Sample ID: 490-37157-H-1-B DU**  
**Matrix: Solid**  
**Analysis Batch: 298868**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 298017**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	0.904	J	1.255		mg/Kg	☼	33	30

## Method: Moisture - Percent Moisture

**Lab Sample ID: 490-37260-B-1 DU**  
**Matrix: Solid**  
**Analysis Batch: 113021**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	92		93		%		1	20

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## GC/MS VOA

### Prep Batch: 113068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	5035	
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	5035	
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	5035	
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	5035	

### Analysis Batch: 114170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-36915-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-36915-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
490-37270-3	Tract 29 TW2 24-28'	Total/NA	Ground Water	8260B	
490-37270-5	Tract 33 TW1 20-24'	Total/NA	Ground Water	8260B	
490-37270-8	Trip Blank	Total/NA	Water	8260B	
490-37270-9	Trip Blank	Total/NA	Water	8260B	
LCS 490-114170/3	Lab Control Sample	Total/NA	Water	8260B	
LCS 490-114170/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-114170/7	Method Blank	Total/NA	Water	8260B	

### Analysis Batch: 114355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	8260B	113068
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	8260B	113068
490-37587-A-2-AA MS	Matrix Spike	Total/NA	Solid	8260B	114363
490-37587-A-2-AC MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	114363
LCS 490-114355/4	Lab Control Sample	Total/NA	Solid	8260B	
LCS 490-114355/5	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-114355/8	Method Blank	Total/NA	Solid	8260B	

### Prep Batch: 114363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37587-A-2-AA MS	Matrix Spike	Total/NA	Solid	5030B	
490-37587-A-2-AC MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	

### Analysis Batch: 114676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	8260B	113068
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	8260B	113068
LCS 490-114676/5	Lab Control Sample	Total/NA	Solid	8260B	
LCS 490-114676/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-114676/9	Method Blank	Total/NA	Solid	8260B	

## GC/MS Semi VOA

### Prep Batch: 114082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	3550C	
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	3550C	
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	3550C	
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	3550C	
490-37359-A-13-C MS	Matrix Spike	Total/NA	Solid	3550C	
490-37359-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## GC/MS Semi VOA (Continued)

### Prep Batch: 114082 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-114082/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-114082/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 114181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Total/NA	Ground Water	3510C	
490-37270-5	Tract 33 TW1 20-24'	Total/NA	Ground Water	3510C	
LCS 490-114181/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-114181/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 114534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Total/NA	Ground Water	8270D	114181
490-37270-5	Tract 33 TW1 20-24'	Total/NA	Ground Water	8270D	114181
LCS 490-114181/2-A	Lab Control Sample	Total/NA	Water	8270D	114181
MB 490-114181/1-A	Method Blank	Total/NA	Water	8270D	114181

### Analysis Batch: 114577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	8270D	114082
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	8270D	114082
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	8270D	114082
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	8270D	114082
490-37359-A-13-C MS	Matrix Spike	Total/NA	Solid	8270D	114082
490-37359-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	114082
LCS 490-114082/2-A	Lab Control Sample	Total/NA	Solid	8270D	114082
MB 490-114082/1-A	Method Blank	Total/NA	Solid	8270D	114082

## GC Semi VOA

### Prep Batch: 113234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-E-1-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-37157-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	3550C	
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	3550C	
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	3550C	
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	3550C	
LCS 490-113234/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-113234/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 113244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Total/NA	Ground Water	3510C	
490-37270-5	Tract 33 TW1 20-24'	Total/NA	Ground Water	3510C	
LCS 490-113244/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 490-113244/3-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-113244/1-A	Method Blank	Total/NA	Water	3510C	

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## GC Semi VOA (Continued)

### Prep Batch: 113265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Total/NA	Ground Water	3510C	
490-37270-5	Tract 33 TW1 20-24'	Total/NA	Ground Water	3510C	
LCS 490-113265/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-113265/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 113407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Total/NA	Ground Water	8082A	113265
490-37270-5	Tract 33 TW1 20-24'	Total/NA	Ground Water	8082A	113265
LCS 490-113265/2-A	Lab Control Sample	Total/NA	Water	8082A	113265
MB 490-113265/1-A	Method Blank	Total/NA	Water	8082A	113265

### Analysis Batch: 113446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Total/NA	Ground Water	8081B	113244
490-37270-5	Tract 33 TW1 20-24'	Total/NA	Ground Water	8081B	113244
LCS 490-113244/2-A	Lab Control Sample	Total/NA	Water	8081B	113244
LCS 490-113244/3-A	Lab Control Sample	Total/NA	Water	8081B	113244
MB 490-113244/1-A	Method Blank	Total/NA	Water	8081B	113244

### Analysis Batch: 113657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-E-1-B MS	Matrix Spike	Total/NA	Solid	8082A	113234
490-37157-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	113234
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	8082A	113234
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	8082A	113234
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	8082A	113234
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	8082A	113234
LCS 490-113234/2-A	Lab Control Sample	Total/NA	Solid	8082A	113234
MB 490-113234/1-A	Method Blank	Total/NA	Solid	8082A	113234

### Analysis Batch: 113685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Total/NA	Ground Water	8081B	113244

### Prep Batch: 114033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-G-2-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-37157-G-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	3550C	
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	3550C	
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	3550C	
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	3550C	
LCS 490-114033/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 490-114033/3-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-114033/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 114485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-G-2-B MS	Matrix Spike	Total/NA	Solid	8081B	114033
490-37157-G-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	114033

TestAmerica Nashville



# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## GC Semi VOA (Continued)

### Analysis Batch: 114485 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	8081B	114033
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	8081B	114033
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	8081B	114033
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	8081B	114033
LCS 490-114033/2-A	Lab Control Sample	Total/NA	Solid	8081B	114033
LCS 490-114033/3-A	Lab Control Sample	Total/NA	Solid	8081B	114033
MB 490-114033/1-A	Method Blank	Total/NA	Solid	8081B	114033

### Analysis Batch: 115401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	8081B	114033
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	8081B	114033
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	8081B	114033
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	8081B	114033

## Metals

### Prep Batch: 113437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Total/NA	Ground Water	3010A	
490-37270-3 MS	Tract 29 TW2 24-28'	Total/NA	Ground Water	3010A	
490-37270-3 MSD	Tract 29 TW2 24-28'	Total/NA	Ground Water	3010A	
490-37270-5	Tract 33 TW1 20-24'	Total/NA	Ground Water	3010A	
LCS 490-113437/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 490-113437/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
MB 490-113437/1-A	Method Blank	Total/NA	Water	3010A	

### Filtration Batch: 114686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Dissolved	Ground Water	Filtration	
490-37270-5	Tract 33 TW1 20-24'	Dissolved	Ground Water	Filtration	
LCS 490-114686/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-114686/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-114686/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 114693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Dissolved	Ground Water	3005A	114686
490-37270-5	Tract 33 TW1 20-24'	Dissolved	Ground Water	3005A	114686
LCS 490-114686/2-B	Lab Control Sample	Dissolved	Water	3005A	114686
LCSD 490-114686/3-B	Lab Control Sample Dup	Dissolved	Water	3005A	114686
MB 490-114686/1-B	Method Blank	Dissolved	Water	3005A	114686

### Analysis Batch: 114950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Total/NA	Ground Water	6010C	113437
490-37270-3 MS	Tract 29 TW2 24-28'	Total/NA	Ground Water	6010C	113437
490-37270-3 MSD	Tract 29 TW2 24-28'	Total/NA	Ground Water	6010C	113437
490-37270-5	Tract 33 TW1 20-24'	Total/NA	Ground Water	6010C	113437
LCS 490-113437/2-A	Lab Control Sample	Total/NA	Water	6010C	113437

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 114950 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 490-113437/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	113437
MB 490-113437/1-A	Method Blank	Total/NA	Water	6010C	113437

### Prep Batch: 114999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	3051A	
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	3051A	
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	3051A	
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	3051A	
490-37848-A-2-AI MS	Matrix Spike	Total/NA	Solid	3051A	
490-37848-A-2-AJ MSD	Matrix Spike Duplicate	Total/NA	Solid	3051A	
LCS 490-114999/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 490-114999/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	
MB 490-114999/1-A	Method Blank	Total/NA	Solid	3051A	

### Prep Batch: 115153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37253-J-1-C MS	Matrix Spike	Total/NA	Water	7470A	
490-37253-J-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
490-37270-3	Tract 29 TW2 24-28'	Total/NA	Ground Water	7470A	
490-37270-5	Tract 33 TW1 20-24'	Total/NA	Ground Water	7470A	
LCS 490-115153/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 490-115153/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 490-115153/1-A	Method Blank	Total/NA	Water	7470A	

### Analysis Batch: 115266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	6010C	114999
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	6010C	114999
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	6010C	114999
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	6010C	114999
490-37848-A-2-AI MS	Matrix Spike	Total/NA	Solid	6010C	114999
490-37848-A-2-AJ MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	114999
LCS 490-114999/2-A	Lab Control Sample	Total/NA	Solid	6010C	114999
LCSD 490-114999/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	114999
MB 490-114999/1-A	Method Blank	Total/NA	Solid	6010C	114999

### Analysis Batch: 115270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Dissolved	Ground Water	6010C	114693
490-37270-5	Tract 33 TW1 20-24'	Dissolved	Ground Water	6010C	114693
LCS 490-114686/2-B	Lab Control Sample	Dissolved	Water	6010C	114693
LCSD 490-114686/3-B	Lab Control Sample Dup	Dissolved	Water	6010C	114693
MB 490-114686/1-B	Method Blank	Dissolved	Water	6010C	114693

### Analysis Batch: 115424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	6010C	114999
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	6010C	114999
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	6010C	114999
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	6010C	114999

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 115713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-114686/1-B	Method Blank	Dissolved	Water	6010C	114693

### Analysis Batch: 115793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37253-J-1-C MS	Matrix Spike	Total/NA	Water	7470A	115153
490-37253-J-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	115153
490-37270-3	Tract 29 TW2 24-28'	Total/NA	Ground Water	7470A	115153
490-37270-5	Tract 33 TW1 20-24'	Total/NA	Ground Water	7470A	115153
LCS 490-115153/2-A	Lab Control Sample	Total/NA	Water	7470A	115153
LCSD 490-115153/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	115153
MB 490-115153/1-A	Method Blank	Total/NA	Water	7470A	115153

### Filtration Batch: 115920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Dissolved	Ground Water	Filtration	
490-37270-5	Tract 33 TW1 20-24'	Dissolved	Ground Water	Filtration	
LCS 490-115920/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-115920/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-115920/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 115921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Dissolved	Ground Water	7470A	115920
490-37270-5	Tract 33 TW1 20-24'	Dissolved	Ground Water	7470A	115920
LCS 490-115920/2-B	Lab Control Sample	Dissolved	Water	7470A	115920
LCSD 490-115920/3-B	Lab Control Sample Dup	Dissolved	Water	7470A	115920
MB 490-115920/1-B	Method Blank	Dissolved	Water	7470A	115920

### Analysis Batch: 116093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-3	Tract 29 TW2 24-28'	Dissolved	Ground Water	7470A	115921
490-37270-5	Tract 33 TW1 20-24'	Dissolved	Ground Water	7470A	115921
LCS 490-115920/2-B	Lab Control Sample	Dissolved	Water	7470A	115921
LCSD 490-115920/3-B	Lab Control Sample Dup	Dissolved	Water	7470A	115921
MB 490-115920/1-B	Method Blank	Dissolved	Water	7470A	115921

### Prep Batch: 116110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37260-A-1-J MS	Matrix Spike	Total/NA	Solid	7471B	
490-37260-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	7471B	
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	7471B	
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	7471B	
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	7471B	
LCS 490-116110/2-A	Lab Control Sample	Total/NA	Solid	7471B	
LCSD 490-116110/3-A	Lab Control Sample Dup	Total/NA	Solid	7471B	
MB 490-116110/1-A	Method Blank	Total/NA	Solid	7471B	

### Analysis Batch: 116398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37260-A-1-J MS	Matrix Spike	Total/NA	Solid	7471B	116110

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 116398 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37260-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	116110
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	7471B	116110
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	7471B	116110
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	7471B	116110
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	7471B	116110
LCS 490-116110/2-A	Lab Control Sample	Total/NA	Solid	7471B	116110
LCS 490-116110/3-A	Lab Control Sample Dup	Total/NA	Solid	7471B	116110
MB 490-116110/1-A	Method Blank	Total/NA	Solid	7471B	116110

## General Chemistry

### Analysis Batch: 113021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37260-B-1 DU	Duplicate	Total/NA	Solid	Moisture	
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	Moisture	
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	Moisture	
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	Moisture	
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	Moisture	

### Analysis Batch: 297614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37270-4	Tract 29 TW2 24-28'	Total/NA	Ground Water	7196A	
490-37270-4 MS	Tract 29 TW2 24-28'	Total/NA	Ground Water	7196A	
490-37270-5	Tract 33 TW1 20-24'	Total/NA	Ground Water	7196A	
490-37270-5 MS	Tract 33 TW1 20-24'	Total/NA	Ground Water	7196A	
490-37270-5 MSD	Tract 33 TW1 20-24'	Total/NA	Ground Water	7196A	
LCS 680-297614/1	Lab Control Sample	Total/NA	Water	7196A	
MB 680-297614/2	Method Blank	Total/NA	Water	7196A	

### Prep Batch: 298017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-H-1-B DU	Duplicate	Total/NA	Solid	3060A	
490-37157-H-1-C MS	Matrix Spike	Total/NA	Solid	3060A	
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	3060A	
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	3060A	
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	3060A	
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	3060A	
LCS 680-298017/2-A	Lab Control Sample	Total/NA	Solid	3060A	
MB 680-298017/1-A	Method Blank	Total/NA	Solid	3060A	

### Analysis Batch: 298868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-H-1-B DU	Duplicate	Total/NA	Solid	7196A	298017
490-37157-H-1-C MS	Matrix Spike	Total/NA	Solid	7196A	298017
490-37270-1	Tract 29 SB2-0-2'	Total/NA	Soil	7196A	298017
490-37270-2	Tract 29 SB2-4-8'	Total/NA	Soil	7196A	298017
490-37270-6	Tract 33 SB1 0-2'	Total/NA	Soil	7196A	298017
490-37270-7	Tract 33 SB1 4-8'	Total/NA	Soil	7196A	298017
LCS 680-298017/2-A	Lab Control Sample	Total/NA	Solid	7196A	298017
MB 680-298017/1-A	Method Blank	Total/NA	Solid	7196A	298017

TestAmerica Nashville

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB2-0-2'**

**Lab Sample ID: 490-37270-1**

Date Collected: 10/08/13 09:00

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113068	10/09/13 13:01	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114355	10/15/13 13:47	KKK	TAL NSH
Total/NA	Prep	3550C			114082	10/14/13 09:19	LP	TAL NSH
Total/NA	Analysis	8270D		1	114577	10/16/13 01:33	BES	TAL NSH
Total/NA	Prep	3550C			113234	10/10/13 07:37	BJB	TAL NSH
Total/NA	Analysis	8082A		1	113657	10/12/13 17:27	WAM	TAL NSH
Total/NA	Analysis	8081B		1	114485	10/15/13 15:24	WAM	TAL NSH
Total/NA	Prep	3550C			114033	10/14/13 06:57	LP	TAL NSH
Total/NA	Analysis	8081B		1	115401	10/18/13 16:14	WAM	TAL NSH
Total/NA	Prep	3051A			114999	10/17/13 09:42	DBK	TAL NSH
Total/NA	Analysis	6010C		1	115266	10/17/13 21:02	DEB	TAL NSH
Total/NA	Prep	3051A			114999	10/17/13 09:42	DBK	TAL NSH
Total/NA	Analysis	6010C		5	115424	10/18/13 10:17	DEB	TAL NSH
Total/NA	Prep	7471B			116110	10/22/13 13:44	LTB	TAL NSH
Total/NA	Analysis	7471B		1	116398	10/23/13 10:24	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	113021	10/09/13 12:32	RRS	TAL NSH
Total/NA	Prep	3060A			298017	10/11/13 14:33	JKL	TAL SAV
Total/NA	Analysis	7196A		1	298868	10/16/13 09:42	CRW	TAL SAV

**Client Sample ID: Tract 29 SB2-4-8'**

**Lab Sample ID: 490-37270-2**

Date Collected: 10/08/13 10:00

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113068	10/09/13 13:01	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114676	10/16/13 14:56	KKK	TAL NSH
Total/NA	Prep	3550C			114082	10/14/13 09:19	LP	TAL NSH
Total/NA	Analysis	8270D		1	114577	10/16/13 01:55	BES	TAL NSH
Total/NA	Prep	3550C			113234	10/10/13 07:37	BJB	TAL NSH
Total/NA	Analysis	8082A		1	113657	10/12/13 17:48	WAM	TAL NSH
Total/NA	Analysis	8081B		1	114485	10/15/13 15:36	WAM	TAL NSH
Total/NA	Prep	3550C			114033	10/14/13 06:57	LP	TAL NSH
Total/NA	Analysis	8081B		1	115401	10/18/13 16:26	WAM	TAL NSH
Total/NA	Prep	3051A			114999	10/17/13 09:42	DBK	TAL NSH
Total/NA	Analysis	6010C		1	115266	10/17/13 21:21	DEB	TAL NSH
Total/NA	Prep	3051A			114999	10/17/13 09:42	DBK	TAL NSH
Total/NA	Analysis	6010C		1	115424	10/18/13 10:20	DEB	TAL NSH
Total/NA	Prep	7471B			116110	10/22/13 13:44	LTB	TAL NSH
Total/NA	Analysis	7471B		1	116398	10/23/13 10:26	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	113021	10/09/13 12:32	RRS	TAL NSH
Total/NA	Prep	3060A			298017	10/11/13 14:33	JKL	TAL SAV
Total/NA	Analysis	7196A		1	298868	10/16/13 09:42	CRW	TAL SAV

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 TW2 24-28'**

**Lab Sample ID: 490-37270-3**

**Date Collected: 10/08/13 12:00**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114170	10/15/13 10:32	BJM	TAL NSH
Total/NA	Prep	3510C			114181	10/14/13 12:41	RCH	TAL NSH
Total/NA	Analysis	8270D		1	114534	10/15/13 21:09	KJP	TAL NSH
Total/NA	Prep	3510C			113265	10/10/13 09:23	CLH	TAL NSH
Total/NA	Analysis	8082A		1	113407	10/10/13 20:10	WAM	TAL NSH
Total/NA	Prep	3510C			113244	10/10/13 08:04	CLH	TAL NSH
Total/NA	Analysis	8081B		1	113446	10/10/13 15:37	WAM	TAL NSH
Total/NA	Analysis	8081B		1	113685	10/11/13 13:08	WAM	TAL NSH
Total/NA	Prep	3010A			113437	10/10/13 13:47	JBD	TAL NSH
Total/NA	Analysis	6010C		1	114950	10/16/13 17:19	KDJ	TAL NSH
Dissolved	Filtration	Filtration			114686	10/16/13 09:19	JBD	TAL NSH
Dissolved	Prep	3005A			114693	10/16/13 09:22	JBD	TAL NSH
Dissolved	Analysis	6010C		1	115270	10/17/13 16:42	DEB	TAL NSH
Total/NA	Prep	7470A			115153	10/17/13 13:45	LTB	TAL NSH
Total/NA	Analysis	7470A		1	115793	10/21/13 10:48	LTB	TAL NSH
Dissolved	Filtration	Filtration			115920	10/22/13 06:40	LTB	TAL NSH
Dissolved	Prep	7470A			115921	10/22/13 06:42	LTB	TAL NSH
Dissolved	Analysis	7470A		1	116093	10/22/13 12:31	LTB	TAL NSH

**Client Sample ID: Tract 29 TW2 24-28'**

**Lab Sample ID: 490-37270-4**

**Date Collected: 10/08/13 16:10**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7196A		10	297614	10/09/13 13:40	CRW	TAL SAV

**Client Sample ID: Tract 33 TW1 20-24'**

**Lab Sample ID: 490-37270-5**

**Date Collected: 10/08/13 16:30**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114170	10/15/13 11:00	BJM	TAL NSH
Total/NA	Prep	3510C			114181	10/14/13 12:41	RCH	TAL NSH
Total/NA	Analysis	8270D		1	114534	10/15/13 21:32	KJP	TAL NSH
Total/NA	Prep	3510C			113265	10/10/13 09:23	CLH	TAL NSH
Total/NA	Analysis	8082A		1	113407	10/10/13 20:32	WAM	TAL NSH
Total/NA	Prep	3510C			113244	10/10/13 08:04	CLH	TAL NSH
Total/NA	Analysis	8081B		1	113446	10/10/13 15:49	WAM	TAL NSH
Total/NA	Prep	3010A			113437	10/10/13 13:47	JBD	TAL NSH
Total/NA	Analysis	6010C		1	114950	10/16/13 17:34	KDJ	TAL NSH
Dissolved	Filtration	Filtration			114686	10/16/13 09:19	JBD	TAL NSH
Dissolved	Prep	3005A			114693	10/16/13 09:22	JBD	TAL NSH
Dissolved	Analysis	6010C		1	115270	10/17/13 16:46	DEB	TAL NSH

TestAmerica Nashville

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 TW1 20-24'**

**Lab Sample ID: 490-37270-5**

**Date Collected: 10/08/13 16:30**

**Matrix: Ground Water**

**Date Received: 10/09/13 08:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			115153	10/17/13 13:45	LTB	TAL NSH
Total/NA	Analysis	7470A		1	115793	10/21/13 10:50	LTB	TAL NSH
Dissolved	Filtration	Filtration			115920	10/22/13 06:40	LTB	TAL NSH
Dissolved	Prep	7470A			115921	10/22/13 06:42	LTB	TAL NSH
Dissolved	Analysis	7470A		1	116093	10/22/13 12:33	LTB	TAL NSH
Total/NA	Analysis	7196A		10	297614	10/09/13 13:20	CRW	TAL SAV

**Client Sample ID: Tract 33 SB1 0-2'**

**Lab Sample ID: 490-37270-6**

**Date Collected: 10/08/13 15:00**

**Matrix: Soil**

**Date Received: 10/09/13 08:15**

**Percent Solids: 89.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113068	10/09/13 13:01	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114355	10/15/13 14:47	KKK	TAL NSH
Total/NA	Prep	3550C			114082	10/14/13 09:19	LP	TAL NSH
Total/NA	Analysis	8270D		1	114577	10/16/13 02:17	BES	TAL NSH
Total/NA	Prep	3550C			113234	10/10/13 07:37	BJB	TAL NSH
Total/NA	Analysis	8082A		1	113657	10/12/13 18:10	WAM	TAL NSH
Total/NA	Analysis	8081B		1	114485	10/15/13 15:48	WAM	TAL NSH
Total/NA	Prep	3550C			114033	10/14/13 06:57	LP	TAL NSH
Total/NA	Analysis	8081B		1	115401	10/18/13 16:38	WAM	TAL NSH
Total/NA	Prep	3051A			114999	10/17/13 09:42	DBK	TAL NSH
Total/NA	Analysis	6010C		1	115266	10/17/13 21:26	DEB	TAL NSH
Total/NA	Prep	3051A			114999	10/17/13 09:42	DBK	TAL NSH
Total/NA	Analysis	6010C		1	115424	10/18/13 10:24	DEB	TAL NSH
Total/NA	Prep	7471B			116110	10/22/13 13:44	LTB	TAL NSH
Total/NA	Analysis	7471B		1	116398	10/23/13 10:28	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	113021	10/09/13 12:32	RRS	TAL NSH
Total/NA	Prep	3060A			298017	10/11/13 14:33	JKL	TAL SAV
Total/NA	Analysis	7196A		1	298868	10/16/13 09:42	CRW	TAL SAV

**Client Sample ID: Tract 33 SB1 4-8'**

**Lab Sample ID: 490-37270-7**

**Date Collected: 10/08/13 15:15**

**Matrix: Soil**

**Date Received: 10/09/13 08:15**

**Percent Solids: 87.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113068	10/09/13 13:01	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114676	10/16/13 15:25	KKK	TAL NSH
Total/NA	Prep	3550C			114082	10/14/13 09:19	LP	TAL NSH
Total/NA	Analysis	8270D		1	114577	10/16/13 02:40	BES	TAL NSH
Total/NA	Prep	3550C			113234	10/10/13 07:37	BJB	TAL NSH
Total/NA	Analysis	8082A		1	113657	10/12/13 18:31	WAM	TAL NSH
Total/NA	Prep	3550C			114033	10/14/13 06:57	LP	TAL NSH

TestAmerica Nashville

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Client Sample ID: Tract 33 SB1 4-8'

**Lab Sample ID: 490-37270-7**

Date Collected: 10/08/13 15:15

Matrix: Soil

Date Received: 10/09/13 08:15

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8081B		1	114485	10/15/13 16:00	WAM	TAL NSH
Total/NA	Analysis	8081B		1	115401	10/18/13 16:50	WAM	TAL NSH
Total/NA	Prep	3051A			114999	10/17/13 09:42	DBK	TAL NSH
Total/NA	Analysis	6010C		1	115266	10/17/13 21:31	DEB	TAL NSH
Total/NA	Prep	3051A			114999	10/17/13 09:42	DBK	TAL NSH
Total/NA	Analysis	6010C		1	115424	10/18/13 10:28	DEB	TAL NSH
Total/NA	Prep	7471B			116110	10/22/13 13:45	LTB	TAL NSH
Total/NA	Analysis	7471B		1	116398	10/23/13 10:30	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	113021	10/09/13 12:32	RRS	TAL NSH
Total/NA	Prep	3060A			298017	10/11/13 14:33	JKL	TAL SAV
Total/NA	Analysis	7196A		1	298868	10/16/13 09:42	CRW	TAL SAV

## Client Sample ID: Trip Blank

**Lab Sample ID: 490-37270-8**

Date Collected: 10/08/13 00:01

Matrix: Water

Date Received: 10/09/13 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114170	10/15/13 09:36	BJM	TAL NSH

## Client Sample ID: Trip Blank

**Lab Sample ID: 490-37270-9**

Date Collected: 10/08/13 00:01

Matrix: Water

Date Received: 10/09/13 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114170	10/15/13 10:04	BJM	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858



# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
8081B	Organochlorine Pesticides (GC)	SW846	TAL NSH
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NSH
6010C	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL NSH
7196A	Chromium, Hexavalent	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL NSH

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8081B	3510C	Ground Water	Chlordane (technical)
8081B	3510C	Water	Chlordane (technical)
8081B	3550C	Soil	Chlordane (technical)
8081B	3550C	Solid	Chlordane (technical)
8260B		Ground Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Ground Water	Cyclohexane
8260B		Ground Water	Methyl acetate
8260B		Ground Water	Methylcyclohexane
8260B		Solid	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Solid	Cyclohexane
8260B		Solid	Methyl acetate
8260B		Solid	Methylcyclohexane
8260B		Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Water	Cyclohexane
8260B		Water	Methyl acetate
8260B		Water	Methylcyclohexane
8260B	5030B	Solid	1,1,2-Trichloro-1,2,2-trichloroethane
8260B	5030B	Solid	Cyclohexane
8260B	5030B	Solid	Methyl acetate
8260B	5030B	Solid	Methylcyclohexane
8260B	5035	Soil	1,1,2-Trichloro-1,2,2-trichloroethane
8260B	5035	Soil	Cyclohexane
8260B	5035	Soil	Methyl acetate
8260B	5035	Soil	Methylcyclohexane
8270D	3510C	Ground Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Ground Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Ground Water	3,3'-Dichlorobenzidine
8270D	3510C	Ground Water	Acetophenone
8270D	3510C	Ground Water	Atrazine
8270D	3510C	Ground Water	Benzaldehyde
8270D	3510C	Ground Water	Biphenyl
8270D	3510C	Ground Water	Caprolactam
8270D	3510C	Ground Water	Carbazole
8270D	3510C	Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Water	3,3'-Dichlorobenzidine
8270D	3510C	Water	Acetophenone
8270D	3510C	Water	Atrazine
8270D	3510C	Water	Benzaldehyde
8270D	3510C	Water	Biphenyl
8270D	3510C	Water	Caprolactam
8270D	3510C	Water	Carbazole
8270D	3550C	Soil	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Soil	2,3,4,6-Tetrachlorophenol
8270D	3550C	Soil	3 & 4 Methylphenol
8270D	3550C	Soil	3,3'-Dichlorobenzidine

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Soil	4-Nitrophenol
8270D	3550C	Soil	Acetophenone
8270D	3550C	Soil	Atrazine
8270D	3550C	Soil	Benzaldehyde
8270D	3550C	Soil	Biphenyl
8270D	3550C	Soil	Caprolactam
8270D	3550C	Soil	Carbazole
8270D	3550C	Solid	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Solid	2,3,4,6-Tetrachlorophenol
8270D	3550C	Solid	3 & 4 Methylphenol
8270D	3550C	Solid	3,3'-Dichlorobenzidine
8270D	3550C	Solid	4-Nitrophenol
8270D	3550C	Solid	Acetophenone
8270D	3550C	Solid	Atrazine
8270D	3550C	Solid	Benzaldehyde
8270D	3550C	Solid	Biphenyl
8270D	3550C	Solid	Caprolactam
8270D	3550C	Solid	Carbazole

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Soil	Percent Solids
Moisture		Solid	Percent Solids

## Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-15
A2LA	ISO/IEC 17025		399.01	02-28-15
Alabama	State Program	4	41450	06-30-14
Arkansas DEQ	State Program	6	88-0692	02-01-14
California	NELAP	9	3217CA	07-31-14
Colorado	State Program	8	N/A	12-31-13
Connecticut	State Program	1	PH-0161	03-31-15
Florida	NELAP	4	E87052	06-30-14
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-14
Georgia	State Program	4	803	06-30-14
Guam	State Program	9	09-005r	06-17-14
Hawaii	State Program	9	N/A	06-30-14
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-14
Iowa	State Program	7	353	07-01-15
Kentucky	State Program	4	90084	12-31-13
Kentucky (UST)	State Program	4	18	06-30-14

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37270-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Louisiana	NELAP	6	30690	06-30-14
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-14
Michigan	State Program	5	9925	06-30-14
Mississippi	State Program	4	N/A	06-30-14
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-14
New Jersey	NELAP	2	GA769	06-30-14
New Mexico	State Program	6	N/A	06-30-14
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-14
Oklahoma	State Program	6	9984	08-31-14
Pennsylvania	NELAP	3	68-00474	06-30-14
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-14
Tennessee	State Program	4	TN02961	06-30-14
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-14
Washington	State Program	10	C1794	06-10-14
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-14
Wisconsin	State Program	5	999819810	08-31-14
Wyoming	State Program	8	8TMS-L	06-30-14

### COOLER RECEIPT FORM



Cooler Received/Opened On : 10/9/2013 @ 0815

Tracking # 0806 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun : 12080142

- 1. Temperature of rep. sample or temp blank when opened: 27 Degrees Celsius
- 3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA
- 4. Were custody seals on outside of cooler? YES..NO...NA  
If yes, how many and where: 2 front
- 5. Were the seals intact, signed, and dated correctly? YES..NO...NA
- 6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) msm

- 7. Were custody seals on containers: YES NO and Intact YES NO NA  
Were these signed and dated correctly? YES...NO...NA
- 8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None
- 9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
- 10. Did all containers arrive in good condition (unbroken)? YES..NO...NA
- 11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA
- 12. Did all container labels and tags agree with custody papers? YES..NO...NA
- 13a. Were VOA vials received? YES..NO...NA
- b. Was there any observable headspace present in any VOA vial? YES...NO...NA
- 14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (initial) msm

- 15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA
- b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA
- 16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) msm

- 17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA
- 18. Did you sign the custody papers in the appropriate place? YES..NO...NA
- 19. Were correct containers used for the analysis requested? YES..NO...NA
- 20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) msm

I certify that I attached a label with the unique LIMS number to each container (initial) msm

- 21. Were there Non-Conformance issues at login? YES. NO Was a NCM generated? YES. NO..#



### COOLER RECEIPT FORM

Cooler Received/Opened On : 10/9/2013 @ 0815

Tracking # 0817 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun : 12080142

1. Temperature of rep. sample or temp blank when opened: 3.8 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)..NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? (YES)..NO...NA

6. Were custody papers inside cooler? (YES)..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) MDM

7. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)..NO...NA

12. Did all container labels and tags agree with custody papers? (YES)..NO...NA

13a. Were VOA vials received? (YES)..NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...(NA)

14. Was there a Trip Blank in this cooler? (YES)..NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)..NO...NA

16. Was residual chlorine present? YES...(NO)..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)? (YES)..NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)..NO...NA

19. Were correct containers used for the analysis requested? (YES)..NO...NA

20. Was sufficient amount of sample sent in each container? (YES)..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

21. Were there Non-Conformance issues at login? YES. (NO) Was a NCM generated? YES. (NO)..#



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-37270-1

SDG Number: 1131-08-554

**Login Number: 37270**

**List Number: 1**

**Creator: McBride, Mike**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8/2.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	





## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-37270-1

SDG Number: 1131-08-554

**Login Number: 37270**

**List Number: 1**

**Creator: Conner, Keaton**

**List Source: TestAmerica Savannah**

**List Creation: 10/09/13 12:52 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville

2960 Foster Creighton Drive

Nashville, TN 37204

Tel: (615)726-0177

TestAmerica Job ID: 490-37157-1

TestAmerica Sample Delivery Group: 1131-08-554

Client Project/Site: Port Access Road

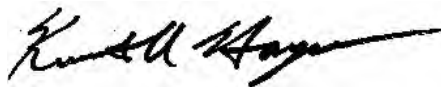
For:

S&ME, Inc.

620 Wando Park Boulevard

Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline



Authorized for release by:

10/22/2013 2:07:07 PM

Ken Hayes, Project Manager I

(615)301-5035

[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



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[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-37157-1	TACT 29 SB-1 (0-2)	Soil	10/07/13 15:00	10/08/13 08:30
490-37157-2	TACT 29 SB-1 (4-8)	Soil	10/07/13 15:15	10/08/13 08:30
490-37157-3	TACT 29 TW-1 (8-12)	Ground Water	10/07/13 15:45	10/08/13 08:30
490-37157-4	TRIP BLANK	Water	10/07/13 00:01	10/08/13 08:30

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# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Job ID: 490-37157-1**

**Laboratory: TestAmerica Nashville**

## Narrative

### Job Narrative 490-37157-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 10/8/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2° C.

#### GC/MS VOA

Method(s) 8260B: The method blank for batch 112617 contained methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batches 112617 and 112966. See LCS/LCSD

Method(s) 8260B: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample(s): TACT 29 SB-1 (0-2) (490-37157-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: TACT 29 SB-1 (0-2) (490-37157-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The method blank for batch 112966 contained methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside the upper control limit: (MB 490-112966/7). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 113980 exceeded control limits for the following analyte: Dichlorodifluoromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

#### GC/MS Semi VOA

Method(s) 8270D: Matrix spikes for batch 113112 could not be recovered due to sample matrix interferences which required sample dilution. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8270D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114181.

Method(s) 8270D: The method blank for batch 114181 contained bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction of samples was not performed.

No other analytical or quality issues were noted.

#### GC Semi VOA

Method(s) 8081B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 113244.

Method(s) 8081B: Matrix spikes for batch 114033 could not be recovered due to sample matrix interferences which required sample dilution. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: TACT 29 SB-1 (4-8) (490-37157-2). Elevated

# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Job ID: 490-37157-1 (Continued)

### Laboratory: TestAmerica Nashville (Continued)

reporting limits (RLs) are provided.

Method(s) 8081B: The following sample has caused endrin breakdown failure multiple times: TACT 29 SB-1 (4-8) (490-37157-2)

Method(s) 8082A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 113265.

No other analytical or quality issues were noted.

### Metals

Method(s) 3005A: No MS/MSD.

Method(s) 6010C: The serial dilution performed for the following sample(s) associated with batch 112788 was outside control limits for Zinc. (490-37157-3 SD)

Method(s) 6010C: The method blank for batch 112788 contained Barium, Potassium, Magnesium, Sodium, and Zinc above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 490-113240 were outside control limits for Al, Cr, and Mg.

Method(s) 6010C: The method blank for batch 490-113240 contained Na and Zn above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010C: The method blank for batch 490-113013 contained Ba, Fe, Na, and Zn above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010B, 6010C: Matrix spikes for batch 490-114970 could not be recovered due to sample matrix interferences which required sample dilution. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 6010B, 6010C: The serial dilution performed for the following sample(s) associated with batch 490-114970 was outside control limits for As: 490-37495-a-10-b (490-37495-10 SD)

Method(s) 6010B, 6010C: The post digestion spike % recovery for Se associated with batch 490-114790 was outside of control limits.

Method(s) 6010C: The method blank for batch 490-114970 contained Fe, K, and Na above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010C: The method blank for batch 114970 contained Fe, B, and Na above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

### General Chemistry

Method(s) 7196A: The sample duplicate precision for the following sample associated with batch 298868 was outside control limits: (490-37157-1 DU). Non-homogeneity of the sample matrix is suspected. The associated laboratory control sample (LCS) precision met acceptance criteria.

Method(s) 7196A: The matrix spike (MS) recovery for batch 298868 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

## Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

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### Job ID: 490-37157-1 (Continued)

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#### Laboratory: TestAmerica Nashville (Continued)

##### Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch es 113244, 113265 and 114181.

Method(s) Moisture: The sample duplicate precision for the following sample associated with batch 112684 was outside control limits: (490-37157-1 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

No other analytical or quality issues were noted.

##### VOA Prep

No analytical or quality issues were noted.



# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.

### GC Semi VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
E	Result exceeded calibration range.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F	MS/MSD Recovery and/or RPD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
*	LCS or LCSD exceeds the control limits
E	Result exceeded calibration range.

### General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS/MSD Recovery and/or RPD exceeds the control limits

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)



# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

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## Glossary (Continued)

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Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 SB-1 (0-2)**

**Lab Sample ID: 490-37157-1**

**Date Collected: 10/07/13 15:00**

**Matrix: Soil**

**Date Received: 10/08/13 08:30**

**Percent Solids: 95.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0384		0.0479	0.0384	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Benzene	<0.000643		0.00192	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Bromochloromethane	<0.000527		0.00192	0.000527	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Bromodichloromethane	<0.000527		0.00192	0.000527	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Bromoform	<0.000527		0.00192	0.000527	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Bromomethane	<0.00115		0.00192	0.00115	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
2-Butanone (MEK)	<0.00489		0.0479	0.00489	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
<b>Carbon disulfide</b>	<b>0.00718</b>		0.00479	0.00345	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Carbon tetrachloride	<0.000643		0.00192	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Chlorobenzene	<0.000643		0.00192	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Chlorodibromomethane	<0.000326		0.00192	0.000326	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Chloroethane	<0.00182		0.00479	0.00182	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Chloroform	<0.000643		0.00192	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Chloromethane	<0.000643		0.00192	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
cis-1,2-Dichloroethene	<0.000643		0.00192	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
cis-1,3-Dichloropropene	<0.000643		0.00192	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Cyclohexane	<0.00316		0.00959	0.00316	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
1,2-Dibromo-3-Chloropropane	<0.0336		0.240	0.0336	mg/Kg	☼	10/08/13 10:34	10/09/13 16:02	1
1,2-Dibromoethane (EDB)	<0.000959		0.00192	0.000959	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
1,2-Dichlorobenzene	<0.0163		0.0961	0.0163	mg/Kg	☼	10/08/13 10:34	10/09/13 16:02	1
1,3-Dichlorobenzene	<0.0327		0.0961	0.0327	mg/Kg	☼	10/08/13 10:34	10/09/13 16:02	1
1,4-Dichlorobenzene	<0.0452		0.0961	0.0452	mg/Kg	☼	10/08/13 10:34	10/09/13 16:02	1
Dichlorodifluoromethane	<0.000959		0.00192	0.000959	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
1,1-Dichloroethane	<0.000643		0.00192	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
1,2-Dichloroethane	<0.000643		0.00192	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
1,1-Dichloroethene	<0.000547		0.00192	0.000547	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
1,2-Dichloropropane	<0.000901		0.00192	0.000901	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Ethylbenzene	<0.000643		0.00192	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
2-Hexanone	<0.0160		0.0479	0.0160	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Isopropylbenzene	<0.000393		0.00192	0.000393	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Methyl acetate	<0.00230		0.00959	0.00230	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Methylcyclohexane	<0.00316		0.00959	0.00316	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Methylene Chloride	<0.000825		0.00959	0.000825	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
4-Methyl-2-pentanone (MIBK)	<0.0163		0.0479	0.0163	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Methyl tert-butyl ether	<0.000921		0.00192	0.000921	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Styrene	<0.00105		0.00192	0.00105	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
1,1,2,2-Tetrachloroethane	<0.0481		0.0961	0.0481	mg/Kg	☼	10/08/13 10:34	10/09/13 16:02	1
Tetrachloroethene	<0.000700		0.00192	0.000700	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Toluene	<0.000710		0.00192	0.000710	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
trans-1,2-Dichloroethene	<0.000643		0.00192	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
trans-1,3-Dichloropropene	<0.000643		0.00192	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
1,2,3-Trichlorobenzene	<0.0183		0.0961	0.0183	mg/Kg	☼	10/08/13 10:34	10/09/13 16:02	1
1,2,4-Trichlorobenzene	<0.0322		0.0961	0.0322	mg/Kg	☼	10/08/13 10:34	10/09/13 16:02	1
1,1,1-Trichloroethane	<0.000882		0.00192	0.000882	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
1,1,2-Trichloroethane	<0.00134		0.00479	0.00134	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Trichloroethene	<0.000921		0.00192	0.000921	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Trichlorofluoromethane	<0.000959		0.00192	0.000959	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000758		0.00192	0.000758	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
Vinyl chloride	<0.00105		0.00192	0.00105	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 SB-1 (0-2)**

**Lab Sample ID: 490-37157-1**

Date Collected: 10/07/13 15:00

Matrix: Soil

Date Received: 10/08/13 08:30

Percent Solids: 95.2

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000643		0.00288	0.000643	mg/Kg	☼	10/08/13 10:38	10/09/13 15:32	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	123	*	70 - 130				10/08/13 10:38	10/09/13 15:32	1
4-Bromofluorobenzene (Surr)	101		70 - 130				10/08/13 10:34	10/09/13 16:02	1
Dibromofluoromethane (Surr)	99		70 - 130				10/08/13 10:38	10/09/13 15:32	1
Dibromofluoromethane (Surr)	89		70 - 130				10/08/13 10:34	10/09/13 16:02	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 130				10/08/13 10:38	10/09/13 15:32	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 130				10/08/13 10:34	10/09/13 16:02	1
Toluene-d8 (Surr)	142	X	70 - 130				10/08/13 10:38	10/09/13 15:32	1
Toluene-d8 (Surr)	130		70 - 130				10/08/13 10:34	10/09/13 16:02	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00991		0.0664	0.00991	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Acenaphthylene	<0.00892		0.0664	0.00892	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Acetophenone	<0.0694		0.330	0.0694	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Anthracene	<0.00892		0.0664	0.00892	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Atrazine	<0.166		0.330	0.166	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Benzaldehyde	<0.284		1.66	0.284	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Benzo[a]anthracene	<0.0149		0.0664	0.0149	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Benzo[a]pyrene	<0.0119		0.0664	0.0119	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Benzo[b]fluoranthene	<0.0119		0.0664	0.0119	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Benzo[g,h,i]perylene	<0.00892		0.0664	0.00892	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Benzo[k]fluoranthene	<0.0139		0.0664	0.0139	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Biphenyl	<0.103		0.330	0.103	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Bis(2-chloroethoxy)methane	<0.0119		0.330	0.0119	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Bis(2-chloroethyl)ether	<0.0198		0.330	0.0198	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
bis (2-chloroisopropyl) ether	<0.133		0.330	0.133	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.0393</b>	<b>J</b>	0.330	0.0129	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
4-Bromophenyl phenyl ether	<0.0169		0.330	0.0169	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Butyl benzyl phthalate	<0.0159		0.330	0.0159	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Caprolactam	<0.107		0.330	0.107	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Carbazole	<0.00694		0.330	0.00694	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
4-Chloroaniline	<0.165		0.330	0.165	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
4-Chloro-3-methylphenol	<0.0159		0.330	0.0159	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2-Chloronaphthalene	<0.0169		0.330	0.0169	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2-Chlorophenol	<0.0149		0.330	0.0149	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
4-Chlorophenyl phenyl ether	<0.0238		0.330	0.0238	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Chrysene	<0.00892		0.0664	0.00892	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Dibenz(a,h)anthracene	<0.00694		0.0664	0.00694	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Dibenzofuran	<0.0129		0.330	0.0129	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
3,3'-Dichlorobenzidine	<0.132		0.661	0.132	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2,4-Dichlorophenol	<0.0169		0.330	0.0169	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Diethyl phthalate	<0.0139		0.330	0.0139	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2,4-Dimethylphenol	<0.190		0.330	0.190	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Dimethyl phthalate	<0.00793		1.66	0.00793	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Di-n-butyl phthalate	<0.0129		0.330	0.0129	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
4,6-Dinitro-2-methylphenol	<0.102		0.330	0.102	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2,4-Dinitrophenol	<0.109		0.330	0.109	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 SB-1 (0-2)**

**Lab Sample ID: 490-37157-1**

**Date Collected: 10/07/13 15:00**

**Matrix: Soil**

**Date Received: 10/08/13 08:30**

**Percent Solids: 95.2**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<0.00892		0.330	0.00892	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2,6-Dinitrotoluene	<0.0307		0.330	0.0307	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Di-n-octyl phthalate	<0.0129		0.330	0.0129	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Fluoranthene	<0.00892		0.0664	0.00892	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Fluorene	<0.0119		0.0664	0.0119	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Hexachlorobenzene	<0.0287		0.330	0.0287	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Hexachlorobutadiene	<0.0694		0.330	0.0694	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Hexachlorocyclopentadiene	<0.0159		0.330	0.0159	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Hexachloroethane	<0.0198		0.330	0.0198	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Indeno[1,2,3-cd]pyrene	<0.00991		0.0664	0.00991	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Isophorone	<0.0585		0.330	0.0585	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2-Methylnaphthalene	<0.0159		0.0664	0.0159	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2-Methylphenol	<0.0922		0.330	0.0922	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
3 & 4 Methylphenol	<0.0198		0.330	0.0198	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Naphthalene	<0.00892		0.0664	0.00892	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2-Nitroaniline	<0.0178		0.826	0.0178	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
3-Nitroaniline	<0.147		0.826	0.147	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
4-Nitroaniline	<0.0297		0.826	0.0297	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Nitrobenzene	<0.0169		0.330	0.0169	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2-Nitrophenol	<0.0129		0.330	0.0129	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
4-Nitrophenol	<0.0149		0.330	0.0149	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
N-Nitrosodi-n-propylamine	<0.0208		0.330	0.0208	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0159		0.330	0.0159	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Pentachlorophenol	<0.124		0.826	0.124	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Phenanthrene	<0.00892		0.0664	0.00892	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Phenol	<0.0139		0.330	0.0139	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
Pyrene	<0.0119		0.0664	0.0119	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
1,2,4,5-Tetrachlorobenzene	<0.256		1.66	0.256	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2,3,4,6-Tetrachlorophenol	<0.168		0.330	0.168	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2,4,5-Trichlorophenol	<0.0169		0.826	0.0169	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1
2,4,6-Trichlorophenol	<0.0248		0.330	0.0248	mg/Kg	☼	10/09/13 14:10	10/10/13 22:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	49		29 - 120	10/09/13 14:10	10/10/13 22:43	1
2-Fluorophenol (Surr)	57		10 - 120	10/09/13 14:10	10/10/13 22:43	1
Nitrobenzene-d5 (Surr)	49		27 - 120	10/09/13 14:10	10/10/13 22:43	1
Phenol-d5 (Surr)	67		10 - 120	10/09/13 14:10	10/10/13 22:43	1
Terphenyl-d14 (Surr)	73		13 - 120	10/09/13 14:10	10/10/13 22:43	1
2,4,6-Tribromophenol (Surr)	62		10 - 120	10/09/13 14:10	10/10/13 22:43	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000301		0.00165	0.000301	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
alpha-BHC	<0.000194		0.00165	0.000194	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
beta-BHC	<0.00194		0.00320	0.00194	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
delta-BHC	<0.000369		0.00165	0.000369	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
gamma-BHC (Lindane)	<0.000379		0.00165	0.000379	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
alpha-Chlordane	<0.000417		0.00165	0.000417	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
gamma-Chlordane	<0.000767		0.00165	0.000767	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 SB-1 (0-2)**

**Lab Sample ID: 490-37157-1**

**Date Collected: 10/07/13 15:00**

**Matrix: Soil**

**Date Received: 10/08/13 08:30**

**Percent Solids: 95.2**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.0352		0.0648	0.0352	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
4,4'-DDD	<0.000417		0.00165	0.000417	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
4,4'-DDE	<0.000485		0.00165	0.000485	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
4,4'-DDT	<0.000825		0.00165	0.000825	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
Dieldrin	<0.000388		0.00165	0.000388	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
Endosulfan I	<0.000456		0.00165	0.000456	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
Endosulfan II	<0.000534		0.00165	0.000534	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
Endosulfan sulfate	<0.000485		0.00165	0.000485	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
Endrin	<0.000417		0.00165	0.000417	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
Endrin aldehyde	<0.000495		0.00165	0.000495	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
Endrin ketone	<0.000573		0.00165	0.000573	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
Heptachlor	<0.000408		0.00165	0.000408	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
Heptachlor epoxide	<0.000631		0.00165	0.000631	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
Methoxychlor	<0.000476		0.00320	0.000476	mg/Kg	☼	10/14/13 06:57	10/17/13 17:15	1
Toxaphene	<0.0410		0.0648	0.0410	mg/Kg	☼	10/14/13 06:57	10/15/13 14:59	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	71		21 - 145				10/14/13 06:57	10/15/13 14:59	1
DCB Decachlorobiphenyl (Surr)	71		25 - 150				10/14/13 06:57	10/15/13 14:59	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00986		0.0328	0.00986	mg/Kg	☼	10/10/13 07:37	10/12/13 16:00	1
PCB-1221	<0.00986		0.0328	0.00986	mg/Kg	☼	10/10/13 07:37	10/12/13 16:00	1
PCB-1232	<0.0197		0.0328	0.0197	mg/Kg	☼	10/10/13 07:37	10/12/13 16:00	1
PCB-1242	<0.00986		0.0328	0.00986	mg/Kg	☼	10/10/13 07:37	10/12/13 16:00	1
PCB-1248	<0.00986		0.0328	0.00986	mg/Kg	☼	10/10/13 07:37	10/12/13 16:00	1
PCB-1254	<0.00986		0.0328	0.00986	mg/Kg	☼	10/10/13 07:37	10/12/13 16:00	1
PCB-1260	<0.00986		0.0328	0.00986	mg/Kg	☼	10/10/13 07:37	10/12/13 16:00	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	81		20 - 150				10/10/13 07:37	10/12/13 16:00	1
Tetrachloro-m-xylene	104		19 - 147				10/10/13 07:37	10/12/13 16:00	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>3160</b>		20.6	16.5	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
Antimony	<1.45		10.3	1.45	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
<b>Arsenic</b>	<b>1.09 J</b>		2.06	0.981	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
<b>Barium</b>	<b>8.36</b>		2.06	0.206	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
Beryllium	<0.103		1.03	0.103	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
Cadmium	<0.103		1.03	0.103	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
<b>Calcium</b>	<b>222</b>		206	45.4	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
<b>Chromium</b>	<b>31.2</b>		1.03	0.310	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
<b>Cobalt</b>	<b>0.475 J</b>		2.06	0.310	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
Copper	<1.75		2.06	1.75	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
<b>Iron</b>	<b>1720</b>		20.6	1.55	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
<b>Lead</b>	<b>3.90</b>		1.03	0.723	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
<b>Magnesium</b>	<b>665</b>		206	13.4	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
<b>Manganese</b>	<b>4.89</b>		3.10	0.341	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 SB-1 (0-2)**

**Lab Sample ID: 490-37157-1**

**Date Collected: 10/07/13 15:00**

**Matrix: Soil**

**Date Received: 10/08/13 08:30**

**Percent Solids: 95.2**

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	3.26		2.06	0.310	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
Potassium	156	J	206	20.6	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
Selenium	<1.55		2.06	1.55	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
Silver	<0.310		1.03	0.310	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
Sodium	66.7	J B	206	20.6	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
Thallium	<1.24		2.06	1.24	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
Vanadium	6.28	J	10.3	3.20	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1
Zinc	14.3	B	10.3	1.03	mg/Kg	☼	10/10/13 07:53	10/10/13 17:21	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0307		0.102	0.0307	mg/Kg	☼	10/14/13 07:49	10/15/13 10:14	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	0.904	J	0.930	0.279	mg/Kg	☼	10/11/13 14:33	10/16/13 09:39	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	95		0.10	0.10	%			10/08/13 10:33	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 SB-1 (4-8)**

**Lab Sample ID: 490-37157-2**

**Date Collected: 10/07/13 15:15**

**Matrix: Soil**

**Date Received: 10/08/13 08:30**

**Percent Solids: 87.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0356		0.0445	0.0356	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Benzene	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Bromochloromethane	<0.000489		0.00178	0.000489	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Bromodichloromethane	<0.000489		0.00178	0.000489	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Bromoform	<0.000489		0.00178	0.000489	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Bromomethane	<0.00107		0.00178	0.00107	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
2-Butanone (MEK)	<0.00454		0.0445	0.00454	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Carbon disulfide	<0.00320		0.00445	0.00320	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Carbon tetrachloride	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Chlorobenzene	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Chlorodibromomethane	<0.000302		0.00178	0.000302	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Chloroethane	<0.00169		0.00445	0.00169	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Chloroform	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Chloromethane	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
cis-1,2-Dichloroethene	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
cis-1,3-Dichloropropene	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Cyclohexane	<0.00294		0.00889	0.00294	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,2-Dibromo-3-Chloropropane	<0.000623		0.00445	0.000623	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,2-Dibromoethane (EDB)	<0.000889		0.00178	0.000889	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,2-Dichlorobenzene	<0.000302		0.00178	0.000302	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,3-Dichlorobenzene	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,4-Dichlorobenzene	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Dichlorodifluoromethane	<0.000889		0.00178	0.000889	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,1-Dichloroethane	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,2-Dichloroethane	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,1-Dichloroethene	<0.000507		0.00178	0.000507	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,2-Dichloropropane	<0.000836		0.00178	0.000836	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Ethylbenzene	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
2-Hexanone	<0.0149		0.0445	0.0149	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Isopropylbenzene	<0.000365		0.00178	0.000365	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Methyl acetate	<0.00213		0.00889	0.00213	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Methylcyclohexane	<0.00294		0.00889	0.00294	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Methylene Chloride	<0.000765		0.00889	0.000765	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
4-Methyl-2-pentanone (MIBK)	<0.0151		0.0445	0.0151	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Methyl tert-butyl ether	<0.000854		0.00178	0.000854	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Styrene	<0.000978		0.00178	0.000978	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,1,2,2-Tetrachloroethane	<0.000889		0.00178	0.000889	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Tetrachloroethene	<0.000649		0.00178	0.000649	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Toluene	<0.000658		0.00178	0.000658	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
trans-1,2-Dichloroethene	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
trans-1,3-Dichloropropene	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,2,3-Trichlorobenzene	<0.000338		0.00178	0.000338	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,2,4-Trichlorobenzene	<0.000596		0.00178	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,1,1-Trichloroethane	<0.000818		0.00178	0.000818	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,1,2-Trichloroethane	<0.00125		0.00445	0.00125	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Trichloroethene	<0.000854		0.00178	0.000854	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Trichlorofluoromethane	<0.000889		0.00178	0.000889	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000703		0.00178	0.000703	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
Vinyl chloride	<0.000978		0.00178	0.000978	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 SB-1 (4-8)**

**Lab Sample ID: 490-37157-2**

Date Collected: 10/07/13 15:15

Matrix: Soil

Date Received: 10/08/13 08:30

Percent Solids: 87.9

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000596		0.00267	0.000596	mg/Kg	☼	10/08/13 10:38	10/08/13 15:24	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	102		70 - 130				10/08/13 10:38	10/08/13 15:24	1
Dibromofluoromethane (Surr)	97		70 - 130				10/08/13 10:38	10/08/13 15:24	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 130				10/08/13 10:38	10/08/13 15:24	1
Toluene-d8 (Surr)	125		70 - 130				10/08/13 10:38	10/08/13 15:24	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00999		0.0669	0.00999	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Acenaphthylene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Acetophenone	<0.0699		0.333	0.0699	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Anthracene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Atrazine	<0.167		0.333	0.167	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Benzaldehyde	<0.286		1.67	0.286	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Benzo[a]anthracene	<0.0150		0.0669	0.0150	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Benzo[a]pyrene	<0.0120		0.0669	0.0120	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Benzo[b]fluoranthene	<0.0120		0.0669	0.0120	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Benzo[g,h,i]perylene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Benzo[k]fluoranthene	<0.0140		0.0669	0.0140	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Biphenyl	<0.104		0.333	0.104	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Bis(2-chloroethoxy)methane	<0.0120		0.333	0.0120	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Bis(2-chloroethyl)ether	<0.0200		0.333	0.0200	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
bis (2-chloroisopropyl) ether	<0.134		0.333	0.134	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Bis(2-ethylhexyl) phthalate	<0.0130		0.333	0.0130	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
4-Bromophenyl phenyl ether	<0.0170		0.333	0.0170	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Butyl benzyl phthalate	<0.0160		0.333	0.0160	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Caprolactam	<0.108		0.333	0.108	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Carbazole	<0.00699		0.333	0.00699	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
4-Chloroaniline	<0.166		0.333	0.166	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
4-Chloro-3-methylphenol	<0.0160		0.333	0.0160	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2-Chloronaphthalene	<0.0170		0.333	0.0170	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2-Chlorophenol	<0.0150		0.333	0.0150	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
4-Chlorophenyl phenyl ether	<0.0240		0.333	0.0240	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Chrysene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Dibenz(a,h)anthracene	<0.00699		0.0669	0.00699	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Dibenzofuran	<0.0130		0.333	0.0130	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
3,3'-Dichlorobenzidine	<0.133		0.666	0.133	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2,4-Dichlorophenol	<0.0170		0.333	0.0170	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Diethyl phthalate	<0.0140		0.333	0.0140	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Dimethyl phthalate	<0.00799		1.67	0.00799	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Di-n-butyl phthalate	<0.0130		0.333	0.0130	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
4,6-Dinitro-2-methylphenol	<0.103		0.333	0.103	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2,4-Dinitrophenol	<0.110		0.333	0.110	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2,4-Dinitrotoluene	<0.00899		0.333	0.00899	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2,6-Dinitrotoluene	<0.0310		0.333	0.0310	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Di-n-octyl phthalate	<0.0130		0.333	0.0130	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Fluoranthene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 SB-1 (4-8)**

**Lab Sample ID: 490-37157-2**

**Date Collected: 10/07/13 15:15**

**Matrix: Soil**

**Date Received: 10/08/13 08:30**

**Percent Solids: 87.9**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0120		0.0669	0.0120	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Hexachlorobenzene	<0.0290		0.333	0.0290	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Hexachlorobutadiene	<0.0699		0.333	0.0699	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Hexachlorocyclopentadiene	<0.0160		0.333	0.0160	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Hexachloroethane	<0.0200		0.333	0.0200	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Indeno[1,2,3-cd]pyrene	<0.00999		0.0669	0.00999	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Isophorone	<0.0589		0.333	0.0589	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2-Methylnaphthalene	<0.0160		0.0669	0.0160	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2-Methylphenol	<0.0929		0.333	0.0929	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
3 & 4 Methylphenol	<0.0200		0.333	0.0200	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Naphthalene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2-Nitroaniline	<0.0180		0.832	0.0180	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
3-Nitroaniline	<0.148		0.832	0.148	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
4-Nitroaniline	<0.0300		0.832	0.0300	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Nitrobenzene	<0.0170		0.333	0.0170	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2-Nitrophenol	<0.0130		0.333	0.0130	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
4-Nitrophenol	<0.0150		0.333	0.0150	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
N-Nitrosodi-n-propylamine	<0.0210		0.333	0.0210	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		0.333	0.0160	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Pentachlorophenol	<0.125		0.832	0.125	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Phenanthrene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Phenol	<0.0140		0.333	0.0140	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Pyrene	<0.0120		0.0669	0.0120	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	0.258	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2,3,4,6-Tetrachlorophenol	<0.169		0.333	0.169	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2,4,5-Trichlorophenol	<0.0170		0.832	0.0170	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
2,4,6-Trichlorophenol	<0.0250		0.333	0.0250	mg/Kg	☼	10/09/13 14:10	10/10/13 23:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	65		29 - 120				10/09/13 14:10	10/10/13 23:06	1
2-Fluorophenol (Surr)	73		10 - 120				10/09/13 14:10	10/10/13 23:06	1
Nitrobenzene-d5 (Surr)	64		27 - 120				10/09/13 14:10	10/10/13 23:06	1
Phenol-d5 (Surr)	79		10 - 120				10/09/13 14:10	10/10/13 23:06	1
Terphenyl-d14 (Surr)	90		13 - 120				10/09/13 14:10	10/10/13 23:06	1
2,4,6-Tribromophenol (Surr)	84		10 - 120				10/09/13 14:10	10/10/13 23:06	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00305		0.0167	0.00305	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
alpha-BHC	<0.00197		0.0167	0.00197	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
beta-BHC	<0.0197		0.0325	0.0197	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
delta-BHC	<0.00374		0.0167	0.00374	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
gamma-BHC (Lindane)	<0.00384		0.0167	0.00384	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
alpha-Chlordane	<0.00423		0.0167	0.00423	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
gamma-Chlordane	<0.00778		0.0167	0.00778	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
Chlordane (technical)	<0.357		0.657	0.357	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
4,4'-DDD	<0.00423		0.0167	0.00423	mg/Kg	☼	10/14/13 06:57	10/17/13 17:02	10
4,4'-DDE	<0.00492		0.0167	0.00492	mg/Kg	☼	10/14/13 06:57	10/17/13 17:02	10
4,4'-DDT	<0.00837		0.0167	0.00837	mg/Kg	☼	10/14/13 06:57	10/17/13 17:02	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 SB-1 (4-8)**

**Lab Sample ID: 490-37157-2**

Date Collected: 10/07/13 15:15

Matrix: Soil

Date Received: 10/08/13 08:30

Percent Solids: 87.9

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00394		0.0167	0.00394	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
Endosulfan I	<0.00463		0.0167	0.00463	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
Endosulfan II	<0.00542		0.0167	0.00542	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
Endosulfan sulfate	<0.00492		0.0167	0.00492	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
Endrin	<0.00423		0.0167	0.00423	mg/Kg	☼	10/14/13 06:57	10/17/13 17:02	10
Endrin aldehyde	<0.00502		0.0167	0.00502	mg/Kg	☼	10/14/13 06:57	10/17/13 17:02	10
Endrin ketone	<0.00581		0.0167	0.00581	mg/Kg	☼	10/14/13 06:57	10/17/13 17:02	10
Heptachlor	<0.00414		0.0167	0.00414	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
Heptachlor epoxide	<0.00640		0.0167	0.00640	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10
Methoxychlor	<0.00482		0.0325	0.00482	mg/Kg	☼	10/14/13 06:57	10/17/13 17:02	10
Toxaphene	<0.416		0.657	0.416	mg/Kg	☼	10/14/13 06:57	10/16/13 12:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	108		21 - 145	10/14/13 06:57	10/16/13 12:01	10
DCB Decachlorobiphenyl (Surr)	63		25 - 150	10/14/13 06:57	10/16/13 12:01	10

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00990		0.0330	0.00990	mg/Kg	☼	10/10/13 07:37	10/12/13 17:05	1
PCB-1221	<0.00990		0.0330	0.00990	mg/Kg	☼	10/10/13 07:37	10/12/13 17:05	1
PCB-1232	<0.0198		0.0330	0.0198	mg/Kg	☼	10/10/13 07:37	10/12/13 17:05	1
PCB-1242	<0.00990		0.0330	0.00990	mg/Kg	☼	10/10/13 07:37	10/12/13 17:05	1
PCB-1248	<0.00990		0.0330	0.00990	mg/Kg	☼	10/10/13 07:37	10/12/13 17:05	1
PCB-1254	<0.00990		0.0330	0.00990	mg/Kg	☼	10/10/13 07:37	10/12/13 17:05	1
PCB-1260	<0.00990		0.0330	0.00990	mg/Kg	☼	10/10/13 07:37	10/12/13 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	76		20 - 150	10/10/13 07:37	10/12/13 17:05	1
Tetrachloro-m-xylene	99		19 - 147	10/10/13 07:37	10/12/13 17:05	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3210		21.9	17.5	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Antimony	<1.53		11.0	1.53	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Arsenic	<1.04		2.19	1.04	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Barium	17.8		2.19	0.219	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Beryllium	<0.110		1.10	0.110	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Cadmium	1.07	J	1.10	0.110	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Calcium	1970		219	48.2	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Chromium	1490		5.48	1.64	mg/Kg	☼	10/17/13 08:39	10/18/13 10:35	5
Cobalt	4.03		2.19	0.329	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Copper	11.0		2.19	1.86	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Iron	4970	B	21.9	1.64	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Lead	519		1.10	0.767	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Magnesium	25400		219	14.2	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Manganese	261		3.29	0.362	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Nickel	118		2.19	0.329	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Potassium	276	B	219	21.9	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Selenium	<1.64		2.19	1.64	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Silver	<0.329		1.10	0.329	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 SB-1 (4-8)**

**Lab Sample ID: 490-37157-2**

Date Collected: 10/07/13 15:15

Matrix: Soil

Date Received: 10/08/13 08:30

Percent Solids: 87.9

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	147	J B	219	21.9	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Thallium	<1.32		2.19	1.32	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Vanadium	22.6		11.0	3.40	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1
Zinc	411		11.0	1.10	mg/Kg	☼	10/17/13 08:39	10/17/13 19:11	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0346	J	0.110	0.0331	mg/Kg	☼	10/14/13 07:49	10/15/13 10:24	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	0.656	J	1.07	0.322	mg/Kg	☼	10/11/13 14:33	10/16/13 09:42	1
Percent Solids	88		0.10	0.10	%			10/08/13 10:33	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 TW-1 (8-12)**

**Lab Sample ID: 490-37157-3**

**Date Collected: 10/07/13 15:45**

**Matrix: Ground Water**

**Date Received: 10/08/13 08:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/13/13 17:20	1
Benzene	<0.200		1.00	0.200	ug/L			10/13/13 17:20	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/13/13 17:20	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/13/13 17:20	1
Bromoform	<0.290		1.00	0.290	ug/L			10/13/13 17:20	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/13/13 17:20	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/13/13 17:20	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/13/13 17:20	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/13/13 17:20	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/13/13 17:20	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/13/13 17:20	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/13/13 17:20	1
Chloroform	<0.230		1.00	0.230	ug/L			10/13/13 17:20	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/13/13 17:20	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/13/13 17:20	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/13/13 17:20	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/13/13 17:20	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/13/13 17:20	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/13/13 17:20	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/13/13 17:20	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/13/13 17:20	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/13/13 17:20	1
Dichlorodifluoromethane	<0.170 *		1.00	0.170	ug/L			10/13/13 17:20	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/13/13 17:20	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/13/13 17:20	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/13/13 17:20	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/13/13 17:20	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/13/13 17:20	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/13/13 17:20	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/13/13 17:20	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/13/13 17:20	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/13/13 17:20	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/13/13 17:20	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/13/13 17:20	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/13/13 17:20	1
Styrene	<0.280		1.00	0.280	ug/L			10/13/13 17:20	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/13/13 17:20	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/13/13 17:20	1
<b>Toluene</b>	<b>0.484 J</b>		1.00	0.170	ug/L			10/13/13 17:20	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/13/13 17:20	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/13/13 17:20	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/13/13 17:20	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/13/13 17:20	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/13/13 17:20	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/13/13 17:20	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/13/13 17:20	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/13/13 17:20	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/13/13 17:20	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/13/13 17:20	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 TW-1 (8-12)**

**Lab Sample ID: 490-37157-3**

**Date Collected: 10/07/13 15:45**

**Matrix: Ground Water**

**Date Received: 10/08/13 08:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/13/13 17:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	92		70 - 130					10/13/13 17:20	1
Dibromofluoromethane (Surr)	104		70 - 130					10/13/13 17:20	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130					10/13/13 17:20	1
Toluene-d8 (Surr)	100		70 - 130					10/13/13 17:20	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.362		1.98	0.362	ug/L		10/14/13 12:41	10/15/13 20:45	1
Acenaphthylene	<0.327		1.98	0.327	ug/L		10/14/13 12:41	10/15/13 20:45	1
Acetophenone	<1.88		9.90	1.88	ug/L		10/14/13 12:41	10/15/13 20:45	1
Anthracene	<0.874		1.98	0.874	ug/L		10/14/13 12:41	10/15/13 20:45	1
Atrazine	<3.66		9.90	3.66	ug/L		10/14/13 12:41	10/15/13 20:45	1
Benzaldehyde	<2.13		9.90	2.13	ug/L		10/14/13 12:41	10/15/13 20:45	1
Benzo[a]anthracene	<0.321		1.98	0.321	ug/L		10/14/13 12:41	10/15/13 20:45	1
Benzo[a]pyrene	<0.327		1.98	0.327	ug/L		10/14/13 12:41	10/15/13 20:45	1
Benzo[b]fluoranthene	<0.418		1.98	0.418	ug/L		10/14/13 12:41	10/15/13 20:45	1
Benzo[g,h,i]perylene	<0.284		1.98	0.284	ug/L		10/14/13 12:41	10/15/13 20:45	1
Benzo[k]fluoranthene	<0.360		1.98	0.360	ug/L		10/14/13 12:41	10/15/13 20:45	1
Biphenyl	<3.30		9.90	3.30	ug/L		10/14/13 12:41	10/15/13 20:45	1
Bis(2-chloroethoxy)methane	<1.35		9.90	1.35	ug/L		10/14/13 12:41	10/15/13 20:45	1
Bis(2-chloroethyl)ether	<1.38		9.90	1.38	ug/L		10/14/13 12:41	10/15/13 20:45	1
bis (2-chloroisopropyl) ether	<1.94		9.90	1.94	ug/L		10/14/13 12:41	10/15/13 20:45	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>2.27</b>	<b>J B</b>	9.90	2.04	ug/L		10/14/13 12:41	10/15/13 20:45	1
4-Bromophenyl phenyl ether	<1.36		9.90	1.36	ug/L		10/14/13 12:41	10/15/13 20:45	1
Butyl benzyl phthalate	<1.72		9.90	1.72	ug/L		10/14/13 12:41	10/15/13 20:45	1
Caprolactam	<3.30		9.90	3.30	ug/L		10/14/13 12:41	10/15/13 20:45	1
Carbazole	<0.296		9.90	0.296	ug/L		10/14/13 12:41	10/15/13 20:45	1
4-Chloroaniline	<1.16		9.90	1.16	ug/L		10/14/13 12:41	10/15/13 20:45	1
4-Chloro-3-methylphenol	<3.30		9.90	3.30	ug/L		10/14/13 12:41	10/15/13 20:45	1
2-Chloronaphthalene	<1.62		9.90	1.62	ug/L		10/14/13 12:41	10/15/13 20:45	1
2-Chlorophenol	<1.57		9.90	1.57	ug/L		10/14/13 12:41	10/15/13 20:45	1
4-Chlorophenyl phenyl ether	<1.73		9.90	1.73	ug/L		10/14/13 12:41	10/15/13 20:45	1
Chrysene	<1.08		1.98	1.08	ug/L		10/14/13 12:41	10/15/13 20:45	1
Dibenz(a,h)anthracene	<0.638		1.98	0.638	ug/L		10/14/13 12:41	10/15/13 20:45	1
Dibenzofuran	<0.336		9.90	0.336	ug/L		10/14/13 12:41	10/15/13 20:45	1
3,3'-Dichlorobenzidine	<1.50		9.90	1.50	ug/L		10/14/13 12:41	10/15/13 20:45	1
2,4-Dichlorophenol	<1.01		9.90	1.01	ug/L		10/14/13 12:41	10/15/13 20:45	1
Diethyl phthalate	<1.60		9.90	1.60	ug/L		10/14/13 12:41	10/15/13 20:45	1
2,4-Dimethylphenol	<0.986		9.90	0.986	ug/L		10/14/13 12:41	10/15/13 20:45	1
Dimethyl phthalate	<1.79		9.90	1.79	ug/L		10/14/13 12:41	10/15/13 20:45	1
Di-n-butyl phthalate	<1.49		9.90	1.49	ug/L		10/14/13 12:41	10/15/13 20:45	1
4,6-Dinitro-2-methylphenol	<2.05		24.8	2.05	ug/L		10/14/13 12:41	10/15/13 20:45	1
2,4-Dinitrophenol	<2.44		24.8	2.44	ug/L		10/14/13 12:41	10/15/13 20:45	1
2,4-Dinitrotoluene	<3.30		9.90	3.30	ug/L		10/14/13 12:41	10/15/13 20:45	1
2,6-Dinitrotoluene	<1.92		9.90	1.92	ug/L		10/14/13 12:41	10/15/13 20:45	1
Di-n-octyl phthalate	<2.29		9.90	2.29	ug/L		10/14/13 12:41	10/15/13 20:45	1
Fluoranthene	<0.344		1.98	0.344	ug/L		10/14/13 12:41	10/15/13 20:45	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 TW-1 (8-12)**

**Lab Sample ID: 490-37157-3**

**Date Collected: 10/07/13 15:45**

**Matrix: Ground Water**

**Date Received: 10/08/13 08:30**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.313		1.98	0.313	ug/L		10/14/13 12:41	10/15/13 20:45	1
Hexachlorobenzene	<1.67		9.90	1.67	ug/L		10/14/13 12:41	10/15/13 20:45	1
Hexachlorobutadiene	<3.30		9.90	3.30	ug/L		10/14/13 12:41	10/15/13 20:45	1
Hexachlorocyclopentadiene	<3.30		9.90	3.30	ug/L		10/14/13 12:41	10/15/13 20:45	1
Hexachloroethane	<3.30		9.90	3.30	ug/L		10/14/13 12:41	10/15/13 20:45	1
Indeno[1,2,3-cd]pyrene	<0.377		1.98	0.377	ug/L		10/14/13 12:41	10/15/13 20:45	1
Isophorone	<1.23		9.90	1.23	ug/L		10/14/13 12:41	10/15/13 20:45	1
2-Methylnaphthalene	<0.308		1.98	0.308	ug/L		10/14/13 12:41	10/15/13 20:45	1
2-Methylphenol	<3.30		9.90	3.30	ug/L		10/14/13 12:41	10/15/13 20:45	1
3 & 4 Methylphenol	<3.30		9.90	3.30	ug/L		10/14/13 12:41	10/15/13 20:45	1
Naphthalene	<0.394		1.98	0.394	ug/L		10/14/13 12:41	10/15/13 20:45	1
2-Nitroaniline	<1.03		24.8	1.03	ug/L		10/14/13 12:41	10/15/13 20:45	1
3-Nitroaniline	<1.83		24.8	1.83	ug/L		10/14/13 12:41	10/15/13 20:45	1
4-Nitroaniline	<2.37		24.8	2.37	ug/L		10/14/13 12:41	10/15/13 20:45	1
Nitrobenzene	<1.23		9.90	1.23	ug/L		10/14/13 12:41	10/15/13 20:45	1
2-Nitrophenol	<1.55		9.90	1.55	ug/L		10/14/13 12:41	10/15/13 20:45	1
4-Nitrophenol	<3.30		24.8	3.30	ug/L		10/14/13 12:41	10/15/13 20:45	1
N-Nitrosodi-n-propylamine	<1.41		9.90	1.41	ug/L		10/14/13 12:41	10/15/13 20:45	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.43		9.90	1.43	ug/L		10/14/13 12:41	10/15/13 20:45	1
Pentachlorophenol	<1.63		24.8	1.63	ug/L		10/14/13 12:41	10/15/13 20:45	1
Phenanthrene	<0.340		1.98	0.340	ug/L		10/14/13 12:41	10/15/13 20:45	1
Phenol	<3.42		9.90	3.42	ug/L		10/14/13 12:41	10/15/13 20:45	1
Pyrene	<0.328		1.98	0.328	ug/L		10/14/13 12:41	10/15/13 20:45	1
1,2,4,5-Tetrachlorobenzene	<4.00		9.90	4.00	ug/L		10/14/13 12:41	10/15/13 20:45	1
2,3,4,6-Tetrachlorophenol	<3.59		9.90	3.59	ug/L		10/14/13 12:41	10/15/13 20:45	1
2,4,5-Trichlorophenol	<2.01		24.8	2.01	ug/L		10/14/13 12:41	10/15/13 20:45	1
2,4,6-Trichlorophenol	<1.74		9.90	1.74	ug/L		10/14/13 12:41	10/15/13 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	66		29 - 120				10/14/13 12:41	10/15/13 20:45	1
2-Fluorophenol (Surr)	42		10 - 120				10/14/13 12:41	10/15/13 20:45	1
Nitrobenzene-d5 (Surr)	83		27 - 120				10/14/13 12:41	10/15/13 20:45	1
Phenol-d5 (Surr)	31		10 - 120				10/14/13 12:41	10/15/13 20:45	1
Terphenyl-d14 (Surr)	53		13 - 120				10/14/13 12:41	10/15/13 20:45	1
2,4,6-Tribromophenol (Surr)	67		10 - 120				10/14/13 12:41	10/15/13 20:45	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00567		0.0240	0.00567	ug/L		10/10/13 08:04	10/10/13 15:24	1
alpha-BHC	<0.0107		0.0240	0.0107	ug/L		10/10/13 08:04	10/10/13 15:24	1
beta-BHC	<0.00673		0.0240	0.00673	ug/L		10/10/13 08:04	10/10/13 15:24	1
delta-BHC	<0.00740		0.0240	0.00740	ug/L		10/10/13 08:04	10/10/13 15:24	1
gamma-BHC (Lindane)	<0.00548		0.0240	0.00548	ug/L		10/10/13 08:04	10/10/13 15:24	1
alpha-Chlordane	<0.00510		0.0240	0.00510	ug/L		10/10/13 08:04	10/10/13 15:24	1
gamma-Chlordane	<0.0173		0.0240	0.0173	ug/L		10/10/13 08:04	10/10/13 15:24	1
Chlordane (technical)	<0.176		1.92	0.176	ug/L		10/10/13 08:04	10/10/13 15:24	1
4,4'-DDD	<0.00740		0.0240	0.00740	ug/L		10/10/13 08:04	10/10/13 15:24	1
4,4'-DDE	<0.00952		0.0240	0.00952	ug/L		10/10/13 08:04	10/10/13 15:24	1
4,4'-DDT	<0.00856		0.0240	0.00856	ug/L		10/10/13 08:04	10/10/13 15:24	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 TW-1 (8-12)**

**Lab Sample ID: 490-37157-3**

Date Collected: 10/07/13 15:45

Matrix: Ground Water

Date Received: 10/08/13 08:30

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00548		0.0240	0.00548	ug/L		10/10/13 08:04	10/10/13 15:24	1
Endosulfan I	<0.00750		0.0240	0.00750	ug/L		10/10/13 08:04	10/10/13 15:24	1
Endosulfan II	<0.00519		0.0240	0.00519	ug/L		10/10/13 08:04	10/10/13 15:24	1
Endosulfan sulfate	<0.00625		0.0240	0.00625	ug/L		10/10/13 08:04	10/10/13 15:24	1
Endrin	<0.00635		0.0240	0.00635	ug/L		10/10/13 08:04	10/11/13 12:56	1
Endrin aldehyde	<0.00837		0.0240	0.00837	ug/L		10/10/13 08:04	10/11/13 12:56	1
Endrin ketone	<0.00625		0.0240	0.00625	ug/L		10/10/13 08:04	10/11/13 12:56	1
Heptachlor	<0.00548		0.0240	0.00548	ug/L		10/10/13 08:04	10/10/13 15:24	1
Heptachlor epoxide	<0.00673		0.0240	0.00673	ug/L		10/10/13 08:04	10/10/13 15:24	1
Methoxychlor	<0.00510		0.0240	0.00510	ug/L		10/10/13 08:04	10/10/13 15:24	1
Toxaphene	<0.0397		1.92	0.0397	ug/L		10/10/13 08:04	10/10/13 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	89		38 - 150	10/10/13 08:04	10/10/13 15:24	1
DCB Decachlorobiphenyl (Surr)	30		10 - 141	10/10/13 08:04	10/10/13 15:24	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0476		0.485	0.0476	ug/L		10/10/13 09:23	10/10/13 19:48	1
PCB-1221	<0.252		0.485	0.252	ug/L		10/10/13 09:23	10/10/13 19:48	1
PCB-1232	<0.0680		0.485	0.0680	ug/L		10/10/13 09:23	10/10/13 19:48	1
PCB-1242	<0.0621		0.485	0.0621	ug/L		10/10/13 09:23	10/10/13 19:48	1
PCB-1248	<0.0670		0.485	0.0670	ug/L		10/10/13 09:23	10/10/13 19:48	1
PCB-1254	<0.00680		0.485	0.00680	ug/L		10/10/13 09:23	10/10/13 19:48	1
PCB-1260	<0.0117		0.485	0.0117	ug/L		10/10/13 09:23	10/10/13 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	23		10 - 150	10/10/13 09:23	10/10/13 19:48	1
Tetrachloro-m-xylene	107		10 - 150	10/10/13 09:23	10/10/13 19:48	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	26.0		0.100	0.0680	mg/L		10/09/13 10:56	10/10/13 20:06	1
Antimony	0.00700	J	0.0100	0.00670	mg/L		10/09/13 10:56	10/10/13 20:06	1
Arsenic	0.00790	J	0.0100	0.00470	mg/L		10/09/13 10:56	10/10/13 20:06	1
Barium	0.123	B	0.0100	0.000500	mg/L		10/09/13 10:56	10/10/13 20:06	1
Beryllium	0.00510		0.00400	0.000300	mg/L		10/09/13 10:56	10/10/13 20:06	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/09/13 10:56	10/10/13 20:06	1
Calcium	24.9		1.00	0.150	mg/L		10/09/13 10:56	10/10/13 20:06	1
Chromium	0.145		0.00500	0.00120	mg/L		10/09/13 10:56	10/10/13 20:06	1
Cobalt	0.0127		0.0100	0.000900	mg/L		10/09/13 10:56	10/10/13 20:06	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/09/13 10:56	10/10/13 20:06	1
Iron	45.6	B	0.100	0.00560	mg/L		10/09/13 10:56	10/10/13 20:06	1
Lead	0.0267		0.00500	0.00350	mg/L		10/09/13 10:56	10/10/13 20:06	1
Magnesium	19.3		1.00	0.0530	mg/L		10/09/13 10:56	10/10/13 20:06	1
Manganese	0.162		0.0150	0.000300	mg/L		10/09/13 10:56	10/10/13 20:06	1
Nickel	0.119		0.0100	0.00130	mg/L		10/09/13 10:56	10/10/13 20:06	1
Potassium	2.74		1.00	0.0880	mg/L		10/09/13 10:56	10/11/13 14:56	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/09/13 10:56	10/10/13 20:06	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/09/13 10:56	10/10/13 20:06	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 TW-1 (8-12)**

**Lab Sample ID: 490-37157-3**

Date Collected: 10/07/13 15:45

Matrix: Ground Water

Date Received: 10/08/13 08:30

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>45.3</b>	<b>B *</b>	1.00	0.0210	mg/L		10/09/13 10:56	10/10/13 20:06	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/09/13 10:56	10/10/13 20:06	1
<b>Vanadium</b>	<b>0.0511</b>		0.0200	0.0150	mg/L		10/09/13 10:56	10/10/13 20:06	1
<b>Zinc</b>	<b>0.0477</b>	<b>J B *</b>	0.0500	0.000400	mg/L		10/09/13 10:56	10/10/13 20:06	1

**Method: 6010C - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>2.54</b>		0.100	0.0680	mg/L		10/08/13 13:34	10/09/13 13:20	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/08/13 13:34	10/09/13 13:20	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Barium</b>	<b>0.0788</b>	<b>B</b>	0.0100	0.000500	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Beryllium</b>	<b>0.00450</b>		0.00400	0.000300	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Cadmium</b>	<b>0.00150</b>		0.00100	0.000200	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Calcium</b>	<b>24.2</b>		1.00	0.150	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Chromium</b>	<b>0.00520</b>		0.00500	0.00120	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Cobalt</b>	<b>0.00900</b>	<b>J</b>	0.0100	0.000900	mg/L		10/08/13 13:34	10/09/13 13:20	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Iron</b>	<b>34.0</b>		0.100	0.00560	mg/L		10/08/13 13:34	10/09/13 13:20	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Magnesium</b>	<b>17.7</b>	<b>B</b>	1.00	0.0530	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Manganese</b>	<b>0.138</b>		0.0150	0.000300	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Nickel</b>	<b>0.0521</b>		0.0100	0.00130	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Potassium</b>	<b>1.87</b>	<b>B</b>	1.00	0.0880	mg/L		10/08/13 13:34	10/09/13 13:20	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/08/13 13:34	10/09/13 13:20	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Sodium</b>	<b>49.0</b>	<b>B</b>	1.00	0.0210	mg/L		10/08/13 13:34	10/09/13 13:20	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/08/13 13:34	10/09/13 13:20	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/08/13 13:34	10/09/13 13:20	1
<b>Zinc</b>	<b>0.0499</b>	<b>J B</b>	0.0500	0.000400	mg/L		10/08/13 13:34	10/09/13 13:20	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/10/13 10:30	10/11/13 15:12	1

**Method: 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/17/13 08:02	10/18/13 11:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.00300		0.0100	0.00300	mg/L			10/08/13 13:44	1



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 490-37157-4**

Date Collected: 10/07/13 00:01

Matrix: Water

Date Received: 10/08/13 08:30

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/13/13 11:16	1
Benzene	<0.200		1.00	0.200	ug/L			10/13/13 11:16	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/13/13 11:16	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/13/13 11:16	1
Bromoform	<0.290		1.00	0.290	ug/L			10/13/13 11:16	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/13/13 11:16	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/13/13 11:16	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/13/13 11:16	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/13/13 11:16	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/13/13 11:16	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/13/13 11:16	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/13/13 11:16	1
Chloroform	<0.230		1.00	0.230	ug/L			10/13/13 11:16	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/13/13 11:16	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/13/13 11:16	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/13/13 11:16	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/13/13 11:16	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/13/13 11:16	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/13/13 11:16	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/13/13 11:16	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/13/13 11:16	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/13/13 11:16	1
Dichlorodifluoromethane	<0.170 *		1.00	0.170	ug/L			10/13/13 11:16	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/13/13 11:16	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/13/13 11:16	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/13/13 11:16	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/13/13 11:16	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/13/13 11:16	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/13/13 11:16	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/13/13 11:16	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/13/13 11:16	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/13/13 11:16	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/13/13 11:16	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/13/13 11:16	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/13/13 11:16	1
Styrene	<0.280		1.00	0.280	ug/L			10/13/13 11:16	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/13/13 11:16	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/13/13 11:16	1
Toluene	<0.170		1.00	0.170	ug/L			10/13/13 11:16	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/13/13 11:16	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/13/13 11:16	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/13/13 11:16	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/13/13 11:16	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/13/13 11:16	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/13/13 11:16	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/13/13 11:16	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/13/13 11:16	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/13/13 11:16	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/13/13 11:16	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 490-37157-4**

Date Collected: 10/07/13 00:01

Matrix: Water

Date Received: 10/08/13 08:30

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/13/13 11:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130					10/13/13 11:16	1
Dibromofluoromethane (Surr)	102		70 - 130					10/13/13 11:16	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130					10/13/13 11:16	1
Toluene-d8 (Surr)	96		70 - 130					10/13/13 11:16	1

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-112617/7**

**Matrix: Solid**

**Analysis Batch: 112617**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0400		0.0500	0.0400	mg/Kg			10/08/13 12:24	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/08/13 12:24	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/08/13 12:24	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			10/08/13 12:24	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			10/08/13 12:24	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			10/08/13 12:24	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			10/08/13 12:24	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			10/08/13 12:24	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			10/08/13 12:24	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/08/13 12:24	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			10/08/13 12:24	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			10/08/13 12:24	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			10/08/13 12:24	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/08/13 12:24	1
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			10/08/13 12:24	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			10/08/13 12:24	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			10/08/13 12:24	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			10/08/13 12:24	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			10/08/13 12:24	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/08/13 12:24	1
Methylene Chloride	0.003007	J	0.0100	0.000860	mg/Kg			10/08/13 12:24	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			10/08/13 12:24	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			10/08/13 12:24	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			10/08/13 12:24	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			10/08/13 12:24	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			10/08/13 12:24	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			10/08/13 12:24	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			10/08/13 12:24	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/08/13 12:24	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			10/08/13 12:24	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			10/08/13 12:24	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			10/08/13 12:24	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/08/13 12:24	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			10/08/13 12:24	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-112617/7**

**Matrix: Solid**

**Analysis Batch: 112617**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			10/08/13 12:24	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			10/08/13 12:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130		10/08/13 12:24	1
Dibromofluoromethane (Surr)	97		70 - 130		10/08/13 12:24	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		10/08/13 12:24	1
Toluene-d8 (Surr)	121		70 - 130		10/08/13 12:24	1

**Lab Sample ID: LCS 490-112617/3**

**Matrix: Solid**

**Analysis Batch: 112617**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2405		mg/Kg		96	51 - 149
Benzene	0.0500	0.04768		mg/Kg		95	75 - 127
Bromochloromethane	0.0500	0.04927		mg/Kg		99	70 - 132
Bromodichloromethane	0.0500	0.04650		mg/Kg		93	68 - 135
Bromoform	0.0500	0.04853		mg/Kg		97	36 - 150
Bromomethane	0.0500	0.04559		mg/Kg		91	43 - 142
2-Butanone (MEK)	0.250	0.2327		mg/Kg		93	61 - 132
Carbon disulfide	0.0500	0.04941		mg/Kg		99	74 - 135
Carbon tetrachloride	0.0500	0.04558		mg/Kg		91	70 - 141
Chlorobenzene	0.0500	0.05180		mg/Kg		104	84 - 125
Chlorodibromomethane	0.0500	0.05104		mg/Kg		102	66 - 134
Chloroethane	0.0500	0.05564		mg/Kg		111	53 - 144
Chloroform	0.0500	0.04683		mg/Kg		94	76 - 130
Chloromethane	0.0500	0.04735		mg/Kg		95	23 - 150
cis-1,2-Dichloroethene	0.0500	0.05015		mg/Kg		100	75 - 125
cis-1,3-Dichloropropene	0.0500	0.05653		mg/Kg		113	73 - 148
Cyclohexane	0.0500	0.04985		mg/Kg		100	70 - 133
1,2-Dibromo-3-Chloropropane	0.0500	0.05060		mg/Kg		101	49 - 142
1,2-Dibromoethane (EDB)	0.0500	0.05129		mg/Kg		103	80 - 135
1,2-Dichlorobenzene	0.0500	0.05547		mg/Kg		111	80 - 134
1,3-Dichlorobenzene	0.0500	0.05600		mg/Kg		112	79 - 137
1,4-Dichlorobenzene	0.0500	0.05473		mg/Kg		109	77 - 139
Dichlorodifluoromethane	0.0500	0.05077		mg/Kg		102	12 - 144
1,1-Dichloroethane	0.0500	0.04851		mg/Kg		97	75 - 124
1,2-Dichloroethane	0.0500	0.04881		mg/Kg		98	65 - 134
1,1-Dichloroethene	0.0500	0.04876		mg/Kg		98	75 - 131
1,2-Dichloropropane	0.0500	0.04878		mg/Kg		98	69 - 120
Ethylbenzene	0.0500	0.05145		mg/Kg		103	80 - 134
2-Hexanone	0.250	0.2472		mg/Kg		99	57 - 148
Isopropylbenzene	0.0500	0.05277		mg/Kg		106	80 - 150
Methyl acetate	0.250	0.2850		mg/Kg		114	11 - 170
Methylcyclohexane	0.0500	0.04923		mg/Kg		98	69 - 140
Methylene Chloride	0.0500	0.04802		mg/Kg		96	68 - 144
4-Methyl-2-pentanone (MIBK)	0.250	0.2672		mg/Kg		107	59 - 138

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-112617/3**

**Matrix: Solid**

**Analysis Batch: 112617**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Methyl tert-butyl ether	0.0500	0.04753		mg/Kg		95	70 - 136	
Styrene	0.0500	0.05440		mg/Kg		109	82 - 137	
1,1,2,2-Tetrachloroethane	0.0500	0.05167		mg/Kg		103	66 - 134	
Tetrachloroethene	0.0500	0.05417		mg/Kg		108	78 - 140	
Toluene	0.0500	0.05345		mg/Kg		107	80 - 132	
trans-1,2-Dichloroethene	0.0500	0.05087		mg/Kg		102	76 - 128	
trans-1,3-Dichloropropene	0.0500	0.05034		mg/Kg		101	62 - 139	
1,2,3-Trichlorobenzene	0.0500	0.05546		mg/Kg		111	70 - 150	
1,2,4-Trichlorobenzene	0.0500	0.05655		mg/Kg		113	62 - 150	
1,1,1-Trichloroethane	0.0500	0.04704		mg/Kg		94	72 - 140	
1,1,2-Trichloroethane	0.0500	0.04958		mg/Kg		99	78 - 128	
Trichloroethene	0.0500	0.04921		mg/Kg		98	77 - 127	
Trichlorofluoromethane	0.0500	0.05386		mg/Kg		108	50 - 140	
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.0500	0.05050		mg/Kg		101	67 - 136	
Vinyl chloride	0.0500	0.05115		mg/Kg		102	47 - 136	
Xylenes, Total	0.100	0.1021		mg/Kg		102	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
Toluene-d8 (Surr)	115		70 - 130

**Lab Sample ID: LCSD 490-112617/4**

**Matrix: Solid**

**Analysis Batch: 112617**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
									RPD	Limit
Acetone	0.250	0.2281		mg/Kg		91	51 - 149	5	50	
Benzene	0.0500	0.04787		mg/Kg		96	75 - 127	0	50	
Bromochloromethane	0.0500	0.04824		mg/Kg		96	70 - 132	2	50	
Bromodichloromethane	0.0500	0.04570		mg/Kg		91	68 - 135	2	50	
Bromoform	0.0500	0.04664		mg/Kg		93	36 - 150	4	50	
Bromomethane	0.0500	0.04554		mg/Kg		91	43 - 142	0	50	
2-Butanone (MEK)	0.250	0.2231		mg/Kg		89	61 - 132	4	50	
Carbon disulfide	0.0500	0.05034		mg/Kg		101	74 - 135	2	50	
Carbon tetrachloride	0.0500	0.04528		mg/Kg		91	70 - 141	1	50	
Chlorobenzene	0.0500	0.05268		mg/Kg		105	84 - 125	2	50	
Chlorodibromomethane	0.0500	0.04954		mg/Kg		99	66 - 134	3	50	
Chloroethane	0.0500	0.05862		mg/Kg		117	53 - 144	5	50	
Chloroform	0.0500	0.04714		mg/Kg		94	76 - 130	1	49	
Chloromethane	0.0500	0.04787		mg/Kg		96	23 - 150	1	50	
cis-1,2-Dichloroethene	0.0500	0.04994		mg/Kg		100	75 - 125	0	50	
cis-1,3-Dichloropropene	0.0500	0.05504		mg/Kg		110	73 - 148	3	50	
Cyclohexane	0.0500	0.05055		mg/Kg		101	70 - 133	1	50	
1,2-Dibromo-3-Chloropropane	0.0500	0.04684		mg/Kg		94	49 - 142	8	50	
1,2-Dibromoethane (EDB)	0.0500	0.05075		mg/Kg		102	80 - 135	1	50	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-112617/4**

**Matrix: Solid**

**Analysis Batch: 112617**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	RPD Limit
1,2-Dichlorobenzene	0.0500	0.05550		mg/Kg		111	80 - 134	0	50	
1,3-Dichlorobenzene	0.0500	0.05589		mg/Kg		112	79 - 137	0	50	
1,4-Dichlorobenzene	0.0500	0.05479		mg/Kg		110	77 - 139	0	50	
Dichlorodifluoromethane	0.0500	0.05080		mg/Kg		102	12 - 144	0	50	
1,1-Dichloroethane	0.0500	0.05078		mg/Kg		102	75 - 124	5	50	
1,2-Dichloroethane	0.0500	0.04797		mg/Kg		96	65 - 134	2	50	
1,1-Dichloroethene	0.0500	0.04969		mg/Kg		99	75 - 131	2	50	
1,2-Dichloropropane	0.0500	0.04900		mg/Kg		98	69 - 120	0	50	
Ethylbenzene	0.0500	0.05254		mg/Kg		105	80 - 134	2	50	
2-Hexanone	0.250	0.2410		mg/Kg		96	57 - 148	3	50	
Isopropylbenzene	0.0500	0.05403		mg/Kg		108	80 - 150	2	50	
Methyl acetate	0.250	0.2560		mg/Kg		102	11 - 170	11	50	
Methylcyclohexane	0.0500	0.04899		mg/Kg		98	69 - 140	0	50	
Methylene Chloride	0.0500	0.04805		mg/Kg		96	68 - 144	0	50	
4-Methyl-2-pentanone (MIBK)	0.250	0.2554		mg/Kg		102	59 - 138	4	50	
Methyl tert-butyl ether	0.0500	0.04633		mg/Kg		93	70 - 136	3	50	
Styrene	0.0500	0.05492		mg/Kg		110	82 - 137	1	50	
1,1,2,2-Tetrachloroethane	0.0500	0.05099		mg/Kg		102	66 - 134	1	50	
Tetrachloroethene	0.0500	0.05495		mg/Kg		110	78 - 140	1	50	
Toluene	0.0500	0.05503		mg/Kg		110	80 - 132	3	50	
trans-1,2-Dichloroethene	0.0500	0.05148		mg/Kg		103	76 - 128	1	50	
trans-1,3-Dichloropropene	0.0500	0.04981		mg/Kg		100	62 - 139	1	50	
1,2,3-Trichlorobenzene	0.0500	0.05328		mg/Kg		107	70 - 150	4	50	
1,2,4-Trichlorobenzene	0.0500	0.05425		mg/Kg		108	62 - 150	4	50	
1,1,1-Trichloroethane	0.0500	0.04763		mg/Kg		95	72 - 140	1	50	
1,1,2-Trichloroethane	0.0500	0.04909		mg/Kg		98	78 - 128	1	50	
Trichloroethene	0.0500	0.04929		mg/Kg		99	77 - 127	0	50	
Trichlorofluoromethane	0.0500	0.05498		mg/Kg		110	50 - 140	2	50	
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.05086		mg/Kg		102	67 - 136	1	50	
Vinyl chloride	0.0500	0.05205		mg/Kg		104	47 - 136	2	50	
Xylenes, Total	0.100	0.1041		mg/Kg		104	80 - 137	2	50	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
Toluene-d8 (Surr)	116		70 - 130

**Lab Sample ID: MB 490-112966/6**

**Matrix: Solid**

**Analysis Batch: 112966**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<2.00		2.50	2.00	mg/Kg			10/09/13 14:32	1
Benzene	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
Bromochloromethane	<0.0275		0.100	0.0275	mg/Kg			10/09/13 14:32	1
Bromodichloromethane	<0.0275		0.100	0.0275	mg/Kg			10/09/13 14:32	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-112966/6

Matrix: Solid

Analysis Batch: 112966

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromoform	<0.0275		0.100	0.0275	mg/Kg			10/09/13 14:32	1
Bromomethane	<0.0600		0.100	0.0600	mg/Kg			10/09/13 14:32	1
2-Butanone (MEK)	<0.255		2.50	0.255	mg/Kg			10/09/13 14:32	1
Carbon disulfide	<0.180		0.250	0.180	mg/Kg			10/09/13 14:32	1
Carbon tetrachloride	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
Chlorobenzene	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
Chlorodibromomethane	<0.0170		0.100	0.0170	mg/Kg			10/09/13 14:32	1
Chloroethane	<0.0950		0.250	0.0950	mg/Kg			10/09/13 14:32	1
Chloroform	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
Chloromethane	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
cis-1,2-Dichloroethene	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
cis-1,3-Dichloropropene	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
Cyclohexane	<0.165		0.500	0.165	mg/Kg			10/09/13 14:32	1
1,2-Dibromo-3-Chloropropane	<0.0350		0.250	0.0350	mg/Kg			10/09/13 14:32	1
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/Kg			10/09/13 14:32	1
1,2-Dichlorobenzene	<0.0170		0.100	0.0170	mg/Kg			10/09/13 14:32	1
1,3-Dichlorobenzene	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
1,4-Dichlorobenzene	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
Dichlorodifluoromethane	<0.0500		0.100	0.0500	mg/Kg			10/09/13 14:32	1
1,1-Dichloroethane	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
1,2-Dichloroethane	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
1,1-Dichloroethene	<0.0285		0.100	0.0285	mg/Kg			10/09/13 14:32	1
1,2-Dichloropropane	<0.0470		0.100	0.0470	mg/Kg			10/09/13 14:32	1
Ethylbenzene	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
2-Hexanone	<0.835		2.50	0.835	mg/Kg			10/09/13 14:32	1
Isopropylbenzene	<0.0205		0.100	0.0205	mg/Kg			10/09/13 14:32	1
Methyl acetate	<0.120		0.500	0.120	mg/Kg			10/09/13 14:32	1
Methylcyclohexane	<0.165		0.500	0.165	mg/Kg			10/09/13 14:32	1
Methylene Chloride	0.2052	J	0.500	0.0430	mg/Kg			10/09/13 14:32	1
4-Methyl-2-pentanone (MIBK)	<0.850		2.50	0.850	mg/Kg			10/09/13 14:32	1
Methyl tert-butyl ether	<0.0480		0.100	0.0480	mg/Kg			10/09/13 14:32	1
Styrene	<0.0550		0.100	0.0550	mg/Kg			10/09/13 14:32	1
1,1,1,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/Kg			10/09/13 14:32	1
Tetrachloroethene	<0.0365		0.100	0.0365	mg/Kg			10/09/13 14:32	1
Toluene	<0.0370		0.100	0.0370	mg/Kg			10/09/13 14:32	1
trans-1,2-Dichloroethene	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
trans-1,3-Dichloropropene	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
1,2,3-Trichlorobenzene	<0.0190		0.100	0.0190	mg/Kg			10/09/13 14:32	1
1,2,4-Trichlorobenzene	<0.0335		0.100	0.0335	mg/Kg			10/09/13 14:32	1
1,1,1-Trichloroethane	<0.0460		0.100	0.0460	mg/Kg			10/09/13 14:32	1
1,1,2-Trichloroethane	<0.0700		0.250	0.0700	mg/Kg			10/09/13 14:32	1
Trichloroethene	<0.0480		0.100	0.0480	mg/Kg			10/09/13 14:32	1
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/Kg			10/09/13 14:32	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.0395		0.100	0.0395	mg/Kg			10/09/13 14:32	1
Vinyl chloride	<0.0550		0.100	0.0550	mg/Kg			10/09/13 14:32	1
Xylenes, Total	<0.0335		0.150	0.0335	mg/Kg			10/09/13 14:32	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-112966/6**  
**Matrix: Solid**  
**Analysis Batch: 112966**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	102		70 - 130		10/09/13 14:32	1
Dibromofluoromethane (Surr)	93		70 - 130		10/09/13 14:32	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		10/09/13 14:32	1
Toluene-d8 (Surr)	129		70 - 130		10/09/13 14:32	1

**Lab Sample ID: MB 490-112966/7**  
**Matrix: Solid**  
**Analysis Batch: 112966**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0400		0.0500	0.0400	mg/Kg			10/09/13 15:02	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/09/13 15:02	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/09/13 15:02	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			10/09/13 15:02	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			10/09/13 15:02	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			10/09/13 15:02	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			10/09/13 15:02	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			10/09/13 15:02	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			10/09/13 15:02	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/09/13 15:02	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			10/09/13 15:02	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			10/09/13 15:02	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			10/09/13 15:02	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/09/13 15:02	1
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			10/09/13 15:02	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			10/09/13 15:02	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			10/09/13 15:02	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			10/09/13 15:02	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			10/09/13 15:02	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/09/13 15:02	1
Methylene Chloride	0.002926	J	0.0100	0.000860	mg/Kg			10/09/13 15:02	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			10/09/13 15:02	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			10/09/13 15:02	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			10/09/13 15:02	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			10/09/13 15:02	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			10/09/13 15:02	1

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-112966/7**

**Matrix: Solid**

**Analysis Batch: 112966**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.000740		0.00200	0.000740	mg/Kg			10/09/13 15:02	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			10/09/13 15:02	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/09/13 15:02	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			10/09/13 15:02	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			10/09/13 15:02	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			10/09/13 15:02	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/09/13 15:02	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			10/09/13 15:02	1
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			10/09/13 15:02	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			10/09/13 15:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		10/09/13 15:02	1
Dibromofluoromethane (Surr)	91		70 - 130		10/09/13 15:02	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 130		10/09/13 15:02	1
Toluene-d8 (Surr)	133	X	70 - 130		10/09/13 15:02	1

**Lab Sample ID: LCS 490-112966/3**

**Matrix: Solid**

**Analysis Batch: 112966**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2378		mg/Kg		95	51 - 149
Benzene	0.0500	0.04906		mg/Kg		98	75 - 127
Bromochloromethane	0.0500	0.05021		mg/Kg		100	70 - 132
Bromodichloromethane	0.0500	0.04598		mg/Kg		92	68 - 135
Bromoform	0.0500	0.04819		mg/Kg		96	36 - 150
Bromomethane	0.0500	0.05142		mg/Kg		103	43 - 142
2-Butanone (MEK)	0.250	0.2394		mg/Kg		96	61 - 132
Carbon disulfide	0.0500	0.04788		mg/Kg		96	74 - 135
Carbon tetrachloride	0.0500	0.04658		mg/Kg		93	70 - 141
Chlorobenzene	0.0500	0.05254		mg/Kg		105	84 - 125
Chlorodibromomethane	0.0500	0.05054		mg/Kg		101	66 - 134
Chloroethane	0.0500	0.05971		mg/Kg		119	53 - 144
Chloroform	0.0500	0.04815		mg/Kg		96	76 - 130
Chloromethane	0.0500	0.05202		mg/Kg		104	23 - 150
cis-1,2-Dichloroethene	0.0500	0.05031		mg/Kg		101	75 - 125
cis-1,3-Dichloropropene	0.0500	0.05823		mg/Kg		116	73 - 148
Cyclohexane	0.0500	0.04985		mg/Kg		100	70 - 133
1,2-Dibromo-3-Chloropropane	0.0500	0.04954		mg/Kg		99	49 - 142
1,2-Dibromoethane (EDB)	0.0500	0.05297		mg/Kg		106	80 - 135
1,2-Dichlorobenzene	0.0500	0.05435		mg/Kg		109	80 - 134
1,3-Dichlorobenzene	0.0500	0.05378		mg/Kg		108	79 - 137
1,4-Dichlorobenzene	0.0500	0.05218		mg/Kg		104	77 - 139
Dichlorodifluoromethane	0.0500	0.05720		mg/Kg		114	12 - 144
1,1-Dichloroethane	0.0500	0.05149		mg/Kg		103	75 - 124

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-112966/3**

**Matrix: Solid**

**Analysis Batch: 112966**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
1,2-Dichloroethane	0.0500	0.05088		mg/Kg		102	65 - 134	
1,1-Dichloroethene	0.0500	0.04891		mg/Kg		98	75 - 131	
1,2-Dichloropropane	0.0500	0.05004		mg/Kg		100	69 - 120	
Ethylbenzene	0.0500	0.05184		mg/Kg		104	80 - 134	
2-Hexanone	0.250	0.2554		mg/Kg		102	57 - 148	
Isopropylbenzene	0.0500	0.05319		mg/Kg		106	80 - 150	
Methyl acetate	0.250	0.2199		mg/Kg		88	11 - 170	
Methylcyclohexane	0.0500	0.04801		mg/Kg		96	69 - 140	
Methylene Chloride	0.0500	0.04651		mg/Kg		93	68 - 144	
4-Methyl-2-pentanone (MIBK)	0.250	0.2934		mg/Kg		117	59 - 138	
Methyl tert-butyl ether	0.0500	0.03586		mg/Kg		72	70 - 136	
Styrene	0.0500	0.05520		mg/Kg		110	82 - 137	
1,1,2,2-Tetrachloroethane	0.0500	0.05445		mg/Kg		109	66 - 134	
Tetrachloroethene	0.0500	0.05314		mg/Kg		106	78 - 140	
Toluene	0.0500	0.05504		mg/Kg		110	80 - 132	
trans-1,2-Dichloroethene	0.0500	0.05175		mg/Kg		104	76 - 128	
trans-1,3-Dichloropropene	0.0500	0.04958		mg/Kg		99	62 - 139	
1,2,3-Trichlorobenzene	0.0500	0.05217		mg/Kg		104	70 - 150	
1,2,4-Trichlorobenzene	0.0500	0.05136		mg/Kg		103	62 - 150	
1,1,1-Trichloroethane	0.0500	0.04837		mg/Kg		97	72 - 140	
1,1,2-Trichloroethane	0.0500	0.05122		mg/Kg		102	78 - 128	
Trichloroethene	0.0500	0.04982		mg/Kg		100	77 - 127	
Trichlorofluoromethane	0.0500	0.05583		mg/Kg		112	50 - 140	
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.04835		mg/Kg		97	67 - 136	
Vinyl chloride	0.0500	0.05236		mg/Kg		105	47 - 136	
Xylenes, Total	0.100	0.1040		mg/Kg		104	80 - 137	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Toluene-d8 (Surr)	120		70 - 130

**Lab Sample ID: LCSD 490-112966/4**

**Matrix: Solid**

**Analysis Batch: 112966**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
									RPD	Limit
Acetone	0.250	0.2295		mg/Kg		92	51 - 149	4	50	
Benzene	0.0500	0.04889		mg/Kg		98	75 - 127	0	50	
Bromochloromethane	0.0500	0.04922		mg/Kg		98	70 - 132	2	50	
Bromodichloromethane	0.0500	0.04566		mg/Kg		91	68 - 135	1	50	
Bromoform	0.0500	0.04758		mg/Kg		95	36 - 150	1	50	
Bromomethane	0.0500	0.05094		mg/Kg		102	43 - 142	1	50	
2-Butanone (MEK)	0.250	0.2308		mg/Kg		92	61 - 132	4	50	
Carbon disulfide	0.0500	0.04769		mg/Kg		95	74 - 135	0	50	
Carbon tetrachloride	0.0500	0.04617		mg/Kg		92	70 - 141	1	50	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-112966/4

Matrix: Solid

Analysis Batch: 112966

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Chlorobenzene	0.0500	0.05284		mg/Kg		106	84 - 125	1	50
Chlorodibromomethane	0.0500	0.05032		mg/Kg		101	66 - 134	0	50
Chloroethane	0.0500	0.05956		mg/Kg		119	53 - 144	0	50
Chloroform	0.0500	0.04786		mg/Kg		96	76 - 130	1	49
Chloromethane	0.0500	0.05254		mg/Kg		105	23 - 150	1	50
cis-1,2-Dichloroethene	0.0500	0.04977		mg/Kg		100	75 - 125	1	50
cis-1,3-Dichloropropene	0.0500	0.05731		mg/Kg		115	73 - 148	2	50
Cyclohexane	0.0500	0.05033		mg/Kg		101	70 - 133	1	50
1,2-Dibromo-3-Chloropropane	0.0500	0.04799		mg/Kg		96	49 - 142	3	50
1,2-Dibromoethane (EDB)	0.0500	0.05282		mg/Kg		106	80 - 135	0	50
1,2-Dichlorobenzene	0.0500	0.05472		mg/Kg		109	80 - 134	1	50
1,3-Dichlorobenzene	0.0500	0.05350		mg/Kg		107	79 - 137	1	50
1,4-Dichlorobenzene	0.0500	0.05231		mg/Kg		105	77 - 139	0	50
Dichlorodifluoromethane	0.0500	0.05789		mg/Kg		116	12 - 144	1	50
1,1-Dichloroethane	0.0500	0.05095		mg/Kg		102	75 - 124	1	50
1,2-Dichloroethane	0.0500	0.05018		mg/Kg		100	65 - 134	1	50
1,1-Dichloroethene	0.0500	0.04861		mg/Kg		97	75 - 131	1	50
1,2-Dichloropropane	0.0500	0.04960		mg/Kg		99	69 - 120	1	50
Ethylbenzene	0.0500	0.05248		mg/Kg		105	80 - 134	1	50
2-Hexanone	0.250	0.2506		mg/Kg		100	57 - 148	2	50
Isopropylbenzene	0.0500	0.05425		mg/Kg		109	80 - 150	2	50
Methyl acetate	0.250	0.1967		mg/Kg		79	11 - 170	11	50
Methylcyclohexane	0.0500	0.04855		mg/Kg		97	69 - 140	1	50
Methylene Chloride	0.0500	0.04597		mg/Kg		92	68 - 144	1	50
4-Methyl-2-pentanone (MIBK)	0.250	0.2850		mg/Kg		114	59 - 138	3	50
Methyl tert-butyl ether	0.0500	0.03527		mg/Kg		71	70 - 136	2	50
Styrene	0.0500	0.05595		mg/Kg		112	82 - 137	1	50
1,1,2,2-Tetrachloroethane	0.0500	0.05279		mg/Kg		106	66 - 134	3	50
Tetrachloroethene	0.0500	0.05416		mg/Kg		108	78 - 140	2	50
Toluene	0.0500	0.05526		mg/Kg		111	80 - 132	0	50
trans-1,2-Dichloroethene	0.0500	0.05144		mg/Kg		103	76 - 128	1	50
trans-1,3-Dichloropropene	0.0500	0.04951		mg/Kg		99	62 - 139	0	50
1,2,3-Trichlorobenzene	0.0500	0.05119		mg/Kg		102	70 - 150	2	50
1,2,4-Trichlorobenzene	0.0500	0.05042		mg/Kg		101	62 - 150	2	50
1,1,1-Trichloroethane	0.0500	0.04783		mg/Kg		96	72 - 140	1	50
1,1,2-Trichloroethane	0.0500	0.05049		mg/Kg		101	78 - 128	1	50
Trichloroethene	0.0500	0.04929		mg/Kg		99	77 - 127	1	50
Trichlorofluoromethane	0.0500	0.05531		mg/Kg		111	50 - 140	1	50
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.04931		mg/Kg		99	67 - 136	2	50
Vinyl chloride	0.0500	0.05248		mg/Kg		105	47 - 136	0	50
Xylenes, Total	0.100	0.1047		mg/Kg		105	80 - 137	1	50

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	103		70 - 130
Toluene-d8 (Surr)	121		70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-113980/7**

**Matrix: Water**

**Analysis Batch: 113980**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/13/13 09:52	1
Benzene	<0.200		1.00	0.200	ug/L			10/13/13 09:52	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/13/13 09:52	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/13/13 09:52	1
Bromoform	<0.290		1.00	0.290	ug/L			10/13/13 09:52	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/13/13 09:52	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/13/13 09:52	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/13/13 09:52	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/13/13 09:52	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/13/13 09:52	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/13/13 09:52	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/13/13 09:52	1
Chloroform	<0.230		1.00	0.230	ug/L			10/13/13 09:52	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/13/13 09:52	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/13/13 09:52	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/13/13 09:52	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/13/13 09:52	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/13/13 09:52	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/13/13 09:52	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/13/13 09:52	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/13/13 09:52	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/13/13 09:52	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/13/13 09:52	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/13/13 09:52	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/13/13 09:52	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/13/13 09:52	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/13/13 09:52	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/13/13 09:52	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/13/13 09:52	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/13/13 09:52	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/13/13 09:52	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/13/13 09:52	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/13/13 09:52	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/13/13 09:52	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/13/13 09:52	1
Styrene	<0.280		1.00	0.280	ug/L			10/13/13 09:52	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/13/13 09:52	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/13/13 09:52	1
Toluene	<0.170		1.00	0.170	ug/L			10/13/13 09:52	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/13/13 09:52	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/13/13 09:52	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/13/13 09:52	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/13/13 09:52	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/13/13 09:52	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/13/13 09:52	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/13/13 09:52	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/13/13 09:52	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/13/13 09:52	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-113980/7**

**Matrix: Water**

**Analysis Batch: 113980**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/13/13 09:52	1
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/13/13 09:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		10/13/13 09:52	1
Dibromofluoromethane (Surr)	102		70 - 130		10/13/13 09:52	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		10/13/13 09:52	1
Toluene-d8 (Surr)	95		70 - 130		10/13/13 09:52	1

**Lab Sample ID: LCS 490-113980/3**

**Matrix: Water**

**Analysis Batch: 113980**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	238.6		ug/L		95	54 - 145
Benzene	50.0	45.20		ug/L		90	80 - 121
Bromochloromethane	50.0	45.05		ug/L		90	78 - 129
Bromodichloromethane	50.0	46.96		ug/L		94	75 - 129
Bromoform	50.0	46.01		ug/L		92	46 - 145
Bromomethane	50.0	60.24		ug/L		120	41 - 150
2-Butanone (MEK)	250	230.8		ug/L		92	62 - 133
Carbon disulfide	50.0	46.52		ug/L		93	77 - 126
Carbon tetrachloride	50.0	50.58		ug/L		101	64 - 147
Chlorobenzene	50.0	45.72		ug/L		91	80 - 120
Chlorodibromomethane	50.0	48.38		ug/L		97	69 - 133
Chloroethane	50.0	49.83		ug/L		100	72 - 120
Chloroform	50.0	47.15		ug/L		94	73 - 129
Chloromethane	50.0	37.93		ug/L		76	12 - 150
cis-1,2-Dichloroethene	50.0	43.41		ug/L		87	76 - 125
cis-1,3-Dichloropropene	50.0	44.35		ug/L		89	74 - 140
Cyclohexane	50.0	40.42		ug/L		81	73 - 122
1,2-Dibromo-3-Chloropropane	50.0	47.49		ug/L		95	54 - 125
1,2-Dibromoethane (EDB)	50.0	46.31		ug/L		93	80 - 129
1,2-Dichlorobenzene	50.0	46.06		ug/L		92	80 - 121
1,3-Dichlorobenzene	50.0	45.67		ug/L		91	80 - 122
1,4-Dichlorobenzene	50.0	45.71		ug/L		91	80 - 120
Dichlorodifluoromethane	50.0	63.95	*	ug/L		128	37 - 127
1,1-Dichloroethane	50.0	43.46		ug/L		87	78 - 125
1,2-Dichloroethane	50.0	42.78		ug/L		86	77 - 121
1,1-Dichloroethene	50.0	49.57		ug/L		99	79 - 124
1,2-Dichloropropane	50.0	41.36		ug/L		83	75 - 120
Ethylbenzene	50.0	44.56		ug/L		89	80 - 130
2-Hexanone	250	211.3		ug/L		85	60 - 142
Isopropylbenzene	50.0	43.08		ug/L		86	80 - 141
Methyl acetate	250	179.9		ug/L		72	64 - 150
Methylcyclohexane	50.0	44.10		ug/L		88	71 - 129
Methylene Chloride	50.0	44.24		ug/L		88	79 - 123
4-Methyl-2-pentanone (MIBK)	250	213.4		ug/L		85	60 - 137

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-113980/3**

**Matrix: Water**

**Analysis Batch: 113980**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Methyl tert-butyl ether	50.0	45.30		ug/L		91	72 - 133	
Styrene	50.0	44.69		ug/L		89	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	43.02		ug/L		86	69 - 131	
Tetrachloroethene	50.0	44.02		ug/L		88	80 - 126	
Toluene	50.0	45.42		ug/L		91	80 - 126	
trans-1,2-Dichloroethene	50.0	42.87		ug/L		86	79 - 126	
trans-1,3-Dichloropropene	50.0	43.47		ug/L		87	63 - 134	
1,2,3-Trichlorobenzene	50.0	48.18		ug/L		96	62 - 133	
1,2,4-Trichlorobenzene	50.0	45.59		ug/L		91	63 - 133	
1,1,1-Trichloroethane	50.0	46.50		ug/L		93	78 - 135	
1,1,2-Trichloroethane	50.0	45.61		ug/L		91	80 - 124	
Trichloroethene	50.0	50.17		ug/L		100	80 - 123	
Trichlorofluoromethane	50.0	57.64		ug/L		115	65 - 124	
1,1,2-Trichloro-1,2,2-trichfluoroethane	50.0	47.54		ug/L		95	77 - 129	
Vinyl chloride	50.0	53.27		ug/L		107	68 - 120	
Xylenes, Total	100	85.09		ug/L		85	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
Toluene-d8 (Surr)	97		70 - 130

**Lab Sample ID: LCSD 490-113980/4**

**Matrix: Water**

**Analysis Batch: 113980**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
									RPD	Limit
Acetone	250	229.5		ug/L		92	54 - 145	4	21	
Benzene	50.0	45.05		ug/L		90	80 - 121	0	17	
Bromochloromethane	50.0	44.40		ug/L		89	78 - 129	1	17	
Bromodichloromethane	50.0	47.02		ug/L		94	75 - 129	0	18	
Bromoform	50.0	46.11		ug/L		92	46 - 145	0	16	
Bromomethane	50.0	67.20		ug/L		134	41 - 150	11	50	
2-Butanone (MEK)	250	220.0		ug/L		88	62 - 133	5	19	
Carbon disulfide	50.0	44.20		ug/L		88	77 - 126	5	21	
Carbon tetrachloride	50.0	49.05		ug/L		98	64 - 147	3	19	
Chlorobenzene	50.0	45.50		ug/L		91	80 - 120	0	14	
Chlorodibromomethane	50.0	47.46		ug/L		95	69 - 133	2	15	
Chloroethane	50.0	50.80		ug/L		102	72 - 120	2	20	
Chloroform	50.0	46.55		ug/L		93	73 - 129	1	18	
Chloromethane	50.0	38.42		ug/L		77	12 - 150	1	31	
cis-1,2-Dichloroethene	50.0	43.09		ug/L		86	76 - 125	1	17	
cis-1,3-Dichloropropene	50.0	44.28		ug/L		89	74 - 140	0	15	
Cyclohexane	50.0	40.76		ug/L		82	73 - 122	1	16	
1,2-Dibromo-3-Chloropropane	50.0	47.95		ug/L		96	54 - 125	1	24	
1,2-Dibromoethane (EDB)	50.0	45.92		ug/L		92	80 - 129	1	15	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-113980/4**

**Matrix: Water**

**Analysis Batch: 113980**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							RPD	Limit		
1,2-Dichlorobenzene	50.0	45.96		ug/L		92	80 - 121	0	15	
1,3-Dichlorobenzene	50.0	45.11		ug/L		90	80 - 122	1	15	
1,4-Dichlorobenzene	50.0	44.90		ug/L		90	80 - 120	2	15	
Dichlorodifluoromethane	50.0	61.61		ug/L		123	37 - 127	4	18	
1,1-Dichloroethane	50.0	42.99		ug/L		86	78 - 125	1	17	
1,2-Dichloroethane	50.0	42.29		ug/L		85	77 - 121	1	17	
1,1-Dichloroethene	50.0	48.83		ug/L		98	79 - 124	2	17	
1,2-Dichloropropane	50.0	41.64		ug/L		83	75 - 120	1	17	
Ethylbenzene	50.0	43.75		ug/L		87	80 - 130	2	15	
2-Hexanone	250	211.3		ug/L		85	60 - 142	0	15	
Isopropylbenzene	50.0	42.66		ug/L		85	80 - 141	1	16	
Methyl acetate	250	180.6		ug/L		72	64 - 150	0	31	
Methylcyclohexane	50.0	44.52		ug/L		89	71 - 129	1	19	
Methylene Chloride	50.0	44.31		ug/L		89	79 - 123	0	17	
4-Methyl-2-pentanone (MIBK)	250	211.0		ug/L		84	60 - 137	1	17	
Methyl tert-butyl ether	50.0	44.54		ug/L		89	72 - 133	2	16	
Styrene	50.0	44.42		ug/L		89	80 - 127	1	24	
1,1,2,2-Tetrachloroethane	50.0	42.68		ug/L		85	69 - 131	1	20	
Tetrachloroethene	50.0	43.90		ug/L		88	80 - 126	0	16	
Toluene	50.0	44.40		ug/L		89	80 - 126	2	15	
trans-1,2-Dichloroethene	50.0	41.65		ug/L		83	79 - 126	3	16	
trans-1,3-Dichloropropene	50.0	43.33		ug/L		87	63 - 134	0	14	
1,2,3-Trichlorobenzene	50.0	47.25		ug/L		95	62 - 133	2	25	
1,2,4-Trichlorobenzene	50.0	47.06		ug/L		94	63 - 133	3	19	
1,1,1-Trichloroethane	50.0	45.33		ug/L		91	78 - 135	3	17	
1,1,2-Trichloroethane	50.0	44.57		ug/L		89	80 - 124	2	15	
Trichloroethene	50.0	48.43		ug/L		97	80 - 123	4	17	
Trichlorofluoromethane	50.0	58.06		ug/L		116	65 - 124	1	18	
1,1,2-Trichloro-1,2,2-trichlorofluorohane	50.0	46.86		ug/L		94	77 - 129	1	18	
Vinyl chloride	50.0	54.15		ug/L		108	68 - 120	2	17	
Xylenes, Total	100	83.25		ug/L		83	80 - 132	2	15	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
Toluene-d8 (Surr)	94		70 - 130

**Lab Sample ID: 490-37200-B-1 MS**

**Matrix: Water**

**Analysis Batch: 113980**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier				RPD	Limit
Acetone	<2.66		250	238.2		ug/L		95	45 - 141	
Benzene	<0.200		50.0	48.55		ug/L		97	75 - 133	
Bromochloromethane	<0.150		50.0	50.50		ug/L		101	67 - 139	
Bromodichloromethane	<0.170		50.0	51.11		ug/L		102	70 - 140	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37200-B-1 MS**

**Matrix: Water**

**Analysis Batch: 113980**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Bromoform	<0.290		50.0	49.62		ug/L		99	42 - 147
Bromomethane	<0.350		50.0	61.58		ug/L		123	16 - 163
2-Butanone (MEK)	<2.64		250	237.5		ug/L		95	50 - 138
Carbon disulfide	<0.220		50.0	46.76		ug/L		94	48 - 152
Carbon tetrachloride	<0.180		50.0	54.00		ug/L		108	62 - 164
Chlorobenzene	<0.180		50.0	49.45		ug/L		99	80 - 129
Chlorodibromomethane	<0.250		50.0	52.61		ug/L		105	66 - 140
Chloroethane	<0.360		50.0	54.93		ug/L		110	58 - 137
Chloroform	<0.230		50.0	50.32		ug/L		101	66 - 138
Chloromethane	<0.360		50.0	43.74		ug/L		87	10 - 169
cis-1,2-Dichloroethene	<0.210		50.0	46.55		ug/L		93	68 - 138
cis-1,3-Dichloropropene	<0.170		50.0	47.99		ug/L		96	71 - 141
Cyclohexane	<0.220		50.0	38.74		ug/L		77	58 - 144
1,2-Dibromo-3-Chloropropane	<0.940		50.0	49.84		ug/L		100	52 - 126
1,2-Dibromoethane (EDB)	<0.210		50.0	49.19		ug/L		98	75 - 137
1,2-Dichlorobenzene	<0.190		50.0	47.62		ug/L		95	79 - 128
1,3-Dichlorobenzene	<0.180		50.0	48.07		ug/L		96	77 - 131
1,4-Dichlorobenzene	<0.170		50.0	48.26		ug/L		97	78 - 126
Dichlorodifluoromethane	<0.170	*	50.0	57.89		ug/L		116	40 - 127
1,1-Dichloroethane	<0.240		50.0	47.22		ug/L		94	71 - 139
1,2-Dichloroethane	<0.200		50.0	45.69		ug/L		91	64 - 136
1,1-Dichloroethene	<0.250		50.0	52.05		ug/L		104	70 - 142
1,2-Dichloropropane	<0.250		50.0	44.09		ug/L		88	67 - 131
Ethylbenzene	<0.190		50.0	47.82		ug/L		96	79 - 139
2-Hexanone	<1.28		250	221.6		ug/L		89	50 - 150
Isopropylbenzene	<0.330		50.0	46.43		ug/L		93	80 - 153
Methyl acetate	<0.720		250	172.1		ug/L		69	30 - 165
Methylcyclohexane	<0.200		50.0	42.38		ug/L		85	59 - 151
Methylene Chloride	<0.220		50.0	48.01		ug/L		96	64 - 139
4-Methyl-2-pentanone (MIBK)	<0.810		250	226.2		ug/L		90	50 - 147
Methyl tert-butyl ether	<0.170		50.0	46.84		ug/L		94	66 - 141
Styrene	<0.280		50.0	47.94		ug/L		96	61 - 148
1,1,1,2-Tetrachloroethane	<0.190		50.0	47.68		ug/L		95	56 - 143
Tetrachloroethene	<0.140		50.0	46.68		ug/L		93	72 - 145
Toluene	<0.170		50.0	48.57		ug/L		97	75 - 136
trans-1,2-Dichloroethene	<0.230		50.0	46.04		ug/L		92	66 - 143
trans-1,3-Dichloropropene	<0.170		50.0	47.12		ug/L		94	59 - 135
1,2,3-Trichlorobenzene	<0.230		50.0	47.67		ug/L		95	55 - 138
1,2,4-Trichlorobenzene	<0.200		50.0	46.95		ug/L		94	60 - 136
1,1,1-Trichloroethane	<0.190		50.0	50.00		ug/L		100	76 - 149
1,1,2-Trichloroethane	<0.190		50.0	48.51		ug/L		97	74 - 134
Trichloroethene	<0.200		50.0	49.97		ug/L		100	73 - 144
Trichlorofluoromethane	<0.210		50.0	58.94		ug/L		118	58 - 139
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	45.74		ug/L		91	72 - 148
Vinyl chloride	<0.180		50.0	57.09		ug/L		114	56 - 129
Xylenes, Total	<0.380		100	91.42		ug/L		91	74 - 141

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37200-B-1 MS**

**Matrix: Water**

**Analysis Batch: 113980**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
Toluene-d8 (Surr)	96		70 - 130

**Lab Sample ID: 490-37200-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 113980**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Acetone	<2.66		250	232.9		ug/L		93	45 - 141	2	21
Benzene	<0.200		50.0	50.03		ug/L		100	75 - 133	3	17
Bromochloromethane	<0.150		50.0	50.09		ug/L		100	67 - 139	1	17
Bromodichloromethane	<0.170		50.0	51.53		ug/L		103	70 - 140	1	18
Bromoform	<0.290		50.0	49.03		ug/L		98	42 - 147	1	16
Bromomethane	<0.350		50.0	61.47		ug/L		123	16 - 163	0	50
2-Butanone (MEK)	<2.64		250	234.0		ug/L		94	50 - 138	1	19
Carbon disulfide	<0.220		50.0	49.01		ug/L		98	48 - 152	5	21
Carbon tetrachloride	<0.180		50.0	54.55		ug/L		109	62 - 164	1	19
Chlorobenzene	<0.180		50.0	50.44		ug/L		101	80 - 129	2	14
Chlorodibromomethane	<0.250		50.0	52.28		ug/L		105	66 - 140	1	15
Chloroethane	<0.360		50.0	53.91		ug/L		108	58 - 137	2	20
Chloroform	<0.230		50.0	52.04		ug/L		104	66 - 138	3	18
Chloromethane	<0.360		50.0	41.88		ug/L		84	10 - 169	4	31
cis-1,2-Dichloroethene	<0.210		50.0	47.80		ug/L		96	68 - 138	3	17
cis-1,3-Dichloropropene	<0.170		50.0	47.89		ug/L		96	71 - 141	0	15
Cyclohexane	<0.220		50.0	41.00		ug/L		82	58 - 144	6	16
1,2-Dibromo-3-Chloropropane	<0.940		50.0	47.95		ug/L		96	52 - 126	4	24
1,2-Dibromoethane (EDB)	<0.210		50.0	49.21		ug/L		98	75 - 137	0	15
1,2-Dichlorobenzene	<0.190		50.0	48.44		ug/L		97	79 - 128	2	15
1,3-Dichlorobenzene	<0.180		50.0	47.39		ug/L		95	77 - 131	1	15
1,4-Dichlorobenzene	<0.170		50.0	47.39		ug/L		95	78 - 126	2	15
Dichlorodifluoromethane	<0.170	*	50.0	58.46		ug/L		117	40 - 127	1	18
1,1-Dichloroethane	<0.240		50.0	47.64		ug/L		95	71 - 139	1	17
1,2-Dichloroethane	<0.200		50.0	46.01		ug/L		92	64 - 136	1	17
1,1-Dichloroethene	<0.250		50.0	54.07		ug/L		108	70 - 142	4	17
1,2-Dichloropropane	<0.250		50.0	45.16		ug/L		90	67 - 131	2	17
Ethylbenzene	<0.190		50.0	48.06		ug/L		96	79 - 139	1	15
2-Hexanone	<1.28		250	217.9		ug/L		87	50 - 150	2	15
Isopropylbenzene	<0.330		50.0	46.26		ug/L		93	80 - 153	0	16
Methyl acetate	<0.720		250	170.3		ug/L		68	30 - 165	1	31
Methylcyclohexane	<0.200		50.0	44.66		ug/L		89	59 - 151	5	19
Methylene Chloride	<0.220		50.0	48.64		ug/L		97	64 - 139	1	17
4-Methyl-2-pentanone (MIBK)	<0.810		250	221.5		ug/L		89	50 - 147	2	17
Methyl tert-butyl ether	<0.170		50.0	48.14		ug/L		96	66 - 141	3	16
Styrene	<0.280		50.0	48.26		ug/L		97	61 - 148	1	24
1,1,1,2-Tetrachloroethane	<0.190		50.0	48.11		ug/L		96	56 - 143	1	20
Tetrachloroethene	<0.140		50.0	47.02		ug/L		94	72 - 145	1	16

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37200-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 113980**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Toluene	<0.170		50.0	49.26		ug/L		99	75 - 136	1	15
trans-1,2-Dichloroethene	<0.230		50.0	46.72		ug/L		93	66 - 143	1	16
trans-1,3-Dichloropropene	<0.170		50.0	46.95		ug/L		94	59 - 135	0	14
1,2,3-Trichlorobenzene	<0.230		50.0	47.91		ug/L		96	55 - 138	1	25
1,2,4-Trichlorobenzene	<0.200		50.0	48.49		ug/L		97	60 - 136	3	19
1,1,1-Trichloroethane	<0.190		50.0	51.48		ug/L		103	76 - 149	3	17
1,1,2-Trichloroethane	<0.190		50.0	48.81		ug/L		98	74 - 134	1	15
Trichloroethene	<0.200		50.0	51.31		ug/L		103	73 - 144	3	17
Trichlorofluoromethane	<0.210		50.0	59.63		ug/L		119	58 - 139	1	18
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	48.74		ug/L		97	72 - 148	6	18
Vinyl chloride	<0.180		50.0	58.65		ug/L		117	56 - 129	3	17
Xylenes, Total	<0.380		100	90.71		ug/L		91	74 - 141	1	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
Toluene-d8 (Surr)	95		70 - 130

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-113112/1-A**

**Matrix: Solid**

**Analysis Batch: 113488**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 113112**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0100		0.0670	0.0100	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Acenaphthylene	<0.00900		0.0670	0.00900	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Acetophenone	<0.0700		0.333	0.0700	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Anthracene	<0.00900		0.0670	0.00900	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Atrazine	<0.167		0.333	0.167	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Benzaldehyde	<0.286		1.67	0.286	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Benzo[a]anthracene	<0.0150		0.0670	0.0150	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Benzo[a]pyrene	<0.0120		0.0670	0.0120	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Benzo[b]fluoranthene	<0.0120		0.0670	0.0120	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Benzo[g,h,i]perylene	<0.00900		0.0670	0.00900	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Benzo[k]fluoranthene	<0.0140		0.0670	0.0140	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Biphenyl	<0.104		0.333	0.104	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Bis(2-chloroethoxy)methane	<0.0120		0.333	0.0120	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Bis(2-chloroethyl)ether	<0.0200		0.333	0.0200	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
bis(2-chloroisopropyl) ether	<0.134		0.333	0.134	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Bis(2-ethylhexyl) phthalate	<0.0130		0.333	0.0130	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
4-Bromophenyl phenyl ether	<0.0170		0.333	0.0170	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Butyl benzyl phthalate	<0.0160		0.333	0.0160	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Caprolactam	<0.108		0.333	0.108	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Carbazole	<0.00700		0.333	0.00700	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
4-Chloroaniline	<0.166		0.333	0.166	mg/Kg		10/09/13 14:10	10/10/13 18:55	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-113112/1-A**

**Matrix: Solid**

**Analysis Batch: 113488**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 113112**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Chloro-3-methylphenol	<0.0160		0.333	0.0160	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2-Chloronaphthalene	<0.0170		0.333	0.0170	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2-Chlorophenol	<0.0150		0.333	0.0150	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
4-Chlorophenyl phenyl ether	<0.0240		0.333	0.0240	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Chrysene	<0.00900		0.0670	0.00900	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Dibenz(a,h)anthracene	<0.00700		0.0670	0.00700	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Dibenzofuran	<0.0130		0.333	0.0130	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
3,3'-Dichlorobenzidine	<0.133		0.667	0.133	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2,4-Dichlorophenol	<0.0170		0.333	0.0170	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Diethyl phthalate	<0.0140		0.333	0.0140	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Dimethyl phthalate	<0.00800		1.67	0.00800	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Di-n-butyl phthalate	<0.0130		0.333	0.0130	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
4,6-Dinitro-2-methylphenol	<0.103		0.333	0.103	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2,4-Dinitrophenol	<0.110		0.333	0.110	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2,4-Dinitrotoluene	<0.00900		0.333	0.00900	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2,6-Dinitrotoluene	<0.0310		0.333	0.0310	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Di-n-octyl phthalate	<0.0130		0.333	0.0130	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Fluoranthene	<0.00900		0.0670	0.00900	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Fluorene	<0.0120		0.0670	0.0120	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Hexachlorobenzene	<0.0290		0.333	0.0290	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Hexachlorobutadiene	<0.0700		0.333	0.0700	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Hexachlorocyclopentadiene	<0.0160		0.333	0.0160	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Hexachloroethane	<0.0200		0.333	0.0200	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Indeno[1,2,3-cd]pyrene	<0.0100		0.0670	0.0100	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Isophorone	<0.0590		0.333	0.0590	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2-Methylnaphthalene	<0.0160		0.0670	0.0160	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2-Methylphenol	<0.0930		0.333	0.0930	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
3 & 4 Methylphenol	<0.0200		0.333	0.0200	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Naphthalene	<0.00900		0.0670	0.00900	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2-Nitroaniline	<0.0180		0.833	0.0180	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
3-Nitroaniline	<0.148		0.833	0.148	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
4-Nitroaniline	<0.0300		0.833	0.0300	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Nitrobenzene	<0.0170		0.333	0.0170	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2-Nitrophenol	<0.0130		0.333	0.0130	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
4-Nitrophenol	<0.0150		0.333	0.0150	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
N-Nitrosodi-n-propylamine	<0.0210		0.333	0.0210	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		0.333	0.0160	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Pentachlorophenol	<0.125		0.833	0.125	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Phenanthrene	<0.00900		0.0670	0.00900	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Phenol	<0.0140		0.333	0.0140	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
Pyrene	<0.0120		0.0670	0.0120	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	0.258	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2,3,4,6-Tetrachlorophenol	<0.169		0.333	0.169	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2,4,5-Trichlorophenol	<0.0170		0.833	0.0170	mg/Kg		10/09/13 14:10	10/10/13 18:55	1
2,4,6-Trichlorophenol	<0.0250		0.333	0.0250	mg/Kg		10/09/13 14:10	10/10/13 18:55	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-113112/1-A

Matrix: Solid

Analysis Batch: 113488

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113112

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	75		29 - 120	10/09/13 14:10	10/10/13 18:55	1
2-Fluorophenol (Surr)	66		10 - 120	10/09/13 14:10	10/10/13 18:55	1
Nitrobenzene-d5 (Surr)	77		27 - 120	10/09/13 14:10	10/10/13 18:55	1
Phenol-d5 (Surr)	76		10 - 120	10/09/13 14:10	10/10/13 18:55	1
Terphenyl-d14 (Surr)	83		13 - 120	10/09/13 14:10	10/10/13 18:55	1
2,4,6-Tribromophenol (Surr)	52		10 - 120	10/09/13 14:10	10/10/13 18:55	1

Lab Sample ID: LCS 490-113112/2-A

Matrix: Solid

Analysis Batch: 113488

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Acenaphthene	1.67	1.266		mg/Kg		76	36 - 120
Acenaphthylene	1.67	1.262		mg/Kg		76	38 - 120
Acetophenone	1.67	1.226		mg/Kg		74	30 - 120
Anthracene	1.67	1.291		mg/Kg		77	46 - 124
Atrazine	1.67	1.362		mg/Kg		82	41 - 120
Benzo[a]anthracene	1.67	1.308		mg/Kg		78	45 - 120
Benzo[a]pyrene	1.67	1.300		mg/Kg		78	45 - 120
Benzo[b]fluoranthene	1.67	1.284		mg/Kg		77	42 - 120
Benzo[g,h,i]perylene	1.67	1.344		mg/Kg		81	38 - 120
Benzo[k]fluoranthene	1.67	1.263		mg/Kg		76	42 - 120
Biphenyl	1.67	1.203		mg/Kg		72	15 - 120
Bis(2-chloroethoxy)methane	1.67	1.218		mg/Kg		73	32 - 120
Bis(2-chloroethyl)ether	1.67	1.247		mg/Kg		75	31 - 120
bis (2-chloroisopropyl) ether	1.67	1.067		mg/Kg		64	32 - 120
Bis(2-ethylhexyl) phthalate	1.67	1.257		mg/Kg		75	43 - 120
4-Bromophenyl phenyl ether	1.67	1.229		mg/Kg		74	40 - 120
Butyl benzyl phthalate	1.67	1.284		mg/Kg		77	43 - 133
Caprolactam	1.67	1.340		mg/Kg		80	18 - 138
Carbazole	1.67	1.335		mg/Kg		80	44 - 120
4-Chloroaniline	1.67	1.276		mg/Kg		77	35 - 120
4-Chloro-3-methylphenol	1.67	1.295		mg/Kg		78	38 - 120
2-Chloronaphthalene	1.67	1.228		mg/Kg		74	34 - 120
2-Chlorophenol	1.67	1.215		mg/Kg		73	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.235		mg/Kg		74	42 - 120
Chrysene	1.67	1.371		mg/Kg		82	43 - 120
Dibenz(a,h)anthracene	1.67	1.345		mg/Kg		81	32 - 128
Dibenzofuran	1.67	1.247		mg/Kg		75	41 - 120
3,3'-Dichlorobenzidine	1.67	1.533		mg/Kg		92	39 - 120
2,4-Dichlorophenol	1.67	1.229		mg/Kg		74	32 - 120
Diethyl phthalate	1.67	1.249		mg/Kg		75	41 - 122
2,4-Dimethylphenol	1.67	1.227		mg/Kg		74	32 - 120
Dimethyl phthalate	1.67	1.246	J	mg/Kg		75	55 - 120
Di-n-butyl phthalate	1.67	1.244		mg/Kg		75	46 - 127
4,6-Dinitro-2-methylphenol	3.33	2.764		mg/Kg		83	27 - 134
2,4-Dinitrophenol	3.33	2.334		mg/Kg		70	23 - 142
2,4-Dinitrotoluene	1.67	1.387		mg/Kg		83	43 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-113112/2-A**

**Matrix: Solid**

**Analysis Batch: 113488**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113112**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,6-Dinitrotoluene	1.67	1.426		mg/Kg		86	43 - 120
Di-n-octyl phthalate	1.67	1.216		mg/Kg		73	40 - 130
Fluoranthene	1.67	1.340		mg/Kg		80	46 - 120
Fluorene	1.67	1.296		mg/Kg		78	42 - 120
Hexachlorobenzene	1.67	1.247		mg/Kg		75	44 - 120
Hexachlorobutadiene	1.67	1.062		mg/Kg		64	31 - 120
Hexachlorocyclopentadiene	1.67	0.7266		mg/Kg		44	24 - 120
Hexachloroethane	1.67	1.118		mg/Kg		67	33 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.299		mg/Kg		78	41 - 121
Isophorone	1.67	1.304		mg/Kg		78	33 - 120
2-Methylnaphthalene	1.67	1.158		mg/Kg		70	28 - 120
2-Methylphenol	1.67	1.380		mg/Kg		83	36 - 120
3 & 4 Methylphenol	1.67	1.391		mg/Kg		83	37 - 120
Naphthalene	1.67	1.191		mg/Kg		71	32 - 120
2-Nitroaniline	1.67	1.507		mg/Kg		90	40 - 120
3-Nitroaniline	1.67	1.410		mg/Kg		85	42 - 120
4-Nitroaniline	1.67	1.519		mg/Kg		91	43 - 120
Nitrobenzene	1.67	1.287		mg/Kg		77	26 - 120
2-Nitrophenol	1.67	1.283		mg/Kg		77	29 - 120
4-Nitrophenol	3.33	2.707		mg/Kg		81	32 - 136
N-Nitrosodi-n-propylamine	1.67	1.303		mg/Kg		78	35 - 120
n-Nitrosodiphenylamine(as diphenylamine)	1.67	1.219		mg/Kg		73	52 - 140
Pentachlorophenol	3.33	2.130		mg/Kg		64	44 - 134
Phenanthrene	1.67	1.273		mg/Kg		76	45 - 120
Phenol	1.67	1.289		mg/Kg		77	30 - 120
Pyrene	1.67	1.281		mg/Kg		77	43 - 120
1,2,4,5-Tetrachlorobenzene	1.67	1.165	J	mg/Kg		70	41 - 120
2,3,4,6-Tetrachlorophenol	1.67	1.229		mg/Kg		74	44 - 120
2,4,5-Trichlorophenol	1.67	1.222		mg/Kg		73	39 - 120
2,4,6-Trichlorophenol	1.67	1.260		mg/Kg		76	39 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	68		29 - 120
2-Fluorophenol (Surr)	70		10 - 120
Nitrobenzene-d5 (Surr)	71		27 - 120
Phenol-d5 (Surr)	77		10 - 120
Terphenyl-d14 (Surr)	75		13 - 120
2,4,6-Tribromophenol (Surr)	76		10 - 120

**Lab Sample ID: MB 490-114181/1-A**

**Matrix: Water**

**Analysis Batch: 114534**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114181**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.366		2.00	0.366	ug/L		10/14/13 12:41	10/15/13 20:22	1
Acenaphthylene	<0.330		2.00	0.330	ug/L		10/14/13 12:41	10/15/13 20:22	1
Acetophenone	<1.90		10.0	1.90	ug/L		10/14/13 12:41	10/15/13 20:22	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114181/1-A**

**Matrix: Water**

**Analysis Batch: 114534**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114181**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Anthracene	<0.883		2.00	0.883	ug/L		10/14/13 12:41	10/15/13 20:22	1
Atrazine	<3.70		10.0	3.70	ug/L		10/14/13 12:41	10/15/13 20:22	1
Benzaldehyde	<2.15		10.0	2.15	ug/L		10/14/13 12:41	10/15/13 20:22	1
Benzo[a]anthracene	<0.324		2.00	0.324	ug/L		10/14/13 12:41	10/15/13 20:22	1
Benzo[a]pyrene	<0.330		2.00	0.330	ug/L		10/14/13 12:41	10/15/13 20:22	1
Benzo[b]fluoranthene	<0.422		2.00	0.422	ug/L		10/14/13 12:41	10/15/13 20:22	1
Benzo[g,h,i]perylene	<0.287		2.00	0.287	ug/L		10/14/13 12:41	10/15/13 20:22	1
Benzo[k]fluoranthene	<0.364		2.00	0.364	ug/L		10/14/13 12:41	10/15/13 20:22	1
Biphenyl	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
Bis(2-chloroethoxy)methane	<1.36		10.0	1.36	ug/L		10/14/13 12:41	10/15/13 20:22	1
Bis(2-chloroethyl)ether	<1.39		10.0	1.39	ug/L		10/14/13 12:41	10/15/13 20:22	1
bis (2-chloroisopropyl) ether	<1.96		10.0	1.96	ug/L		10/14/13 12:41	10/15/13 20:22	1
Bis(2-ethylhexyl) phthalate	2.191	J	10.0	2.06	ug/L		10/14/13 12:41	10/15/13 20:22	1
4-Bromophenyl phenyl ether	<1.37		10.0	1.37	ug/L		10/14/13 12:41	10/15/13 20:22	1
Butyl benzyl phthalate	<1.74		10.0	1.74	ug/L		10/14/13 12:41	10/15/13 20:22	1
Caprolactam	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
Carbazole	<0.299		10.0	0.299	ug/L		10/14/13 12:41	10/15/13 20:22	1
4-Chloroaniline	<1.17		10.0	1.17	ug/L		10/14/13 12:41	10/15/13 20:22	1
4-Chloro-3-methylphenol	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
2-Chloronaphthalene	<1.64		10.0	1.64	ug/L		10/14/13 12:41	10/15/13 20:22	1
2-Chlorophenol	<1.59		10.0	1.59	ug/L		10/14/13 12:41	10/15/13 20:22	1
4-Chlorophenyl phenyl ether	<1.75		10.0	1.75	ug/L		10/14/13 12:41	10/15/13 20:22	1
Chrysene	<1.09		2.00	1.09	ug/L		10/14/13 12:41	10/15/13 20:22	1
Dibenz(a,h)anthracene	<0.644		2.00	0.644	ug/L		10/14/13 12:41	10/15/13 20:22	1
Dibenzofuran	<0.339		10.0	0.339	ug/L		10/14/13 12:41	10/15/13 20:22	1
3,3'-Dichlorobenzidine	<1.52		10.0	1.52	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,4-Dichlorophenol	<1.02		10.0	1.02	ug/L		10/14/13 12:41	10/15/13 20:22	1
Diethyl phthalate	<1.62		10.0	1.62	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,4-Dimethylphenol	<0.996		10.0	0.996	ug/L		10/14/13 12:41	10/15/13 20:22	1
Dimethyl phthalate	<1.81		10.0	1.81	ug/L		10/14/13 12:41	10/15/13 20:22	1
Di-n-butyl phthalate	<1.50		10.0	1.50	ug/L		10/14/13 12:41	10/15/13 20:22	1
4,6-Dinitro-2-methylphenol	<2.07		25.0	2.07	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,4-Dinitrophenol	<2.46		25.0	2.46	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,4-Dinitrotoluene	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,6-Dinitrotoluene	<1.94		10.0	1.94	ug/L		10/14/13 12:41	10/15/13 20:22	1
Di-n-octyl phthalate	<2.31		10.0	2.31	ug/L		10/14/13 12:41	10/15/13 20:22	1
Fluoranthene	<0.347		2.00	0.347	ug/L		10/14/13 12:41	10/15/13 20:22	1
Fluorene	<0.316		2.00	0.316	ug/L		10/14/13 12:41	10/15/13 20:22	1
Hexachlorobenzene	<1.69		10.0	1.69	ug/L		10/14/13 12:41	10/15/13 20:22	1
Hexachlorobutadiene	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
Hexachlorocyclopentadiene	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
Hexachloroethane	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
Indeno[1,2,3-cd]pyrene	<0.381		2.00	0.381	ug/L		10/14/13 12:41	10/15/13 20:22	1
Isophorone	<1.24		10.0	1.24	ug/L		10/14/13 12:41	10/15/13 20:22	1
2-Methylnaphthalene	<0.311		2.00	0.311	ug/L		10/14/13 12:41	10/15/13 20:22	1
2-Methylphenol	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
3 & 4 Methylphenol	<3.33		10.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
Naphthalene	<0.398		2.00	0.398	ug/L		10/14/13 12:41	10/15/13 20:22	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114181/1-A**

**Matrix: Water**

**Analysis Batch: 114534**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114181**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Nitroaniline	<1.04		25.0	1.04	ug/L		10/14/13 12:41	10/15/13 20:22	1
3-Nitroaniline	<1.85		25.0	1.85	ug/L		10/14/13 12:41	10/15/13 20:22	1
4-Nitroaniline	<2.39		25.0	2.39	ug/L		10/14/13 12:41	10/15/13 20:22	1
Nitrobenzene	<1.24		10.0	1.24	ug/L		10/14/13 12:41	10/15/13 20:22	1
2-Nitrophenol	<1.57		10.0	1.57	ug/L		10/14/13 12:41	10/15/13 20:22	1
4-Nitrophenol	<3.33		25.0	3.33	ug/L		10/14/13 12:41	10/15/13 20:22	1
N-Nitrosodi-n-propylamine	<1.42		10.0	1.42	ug/L		10/14/13 12:41	10/15/13 20:22	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.44		10.0	1.44	ug/L		10/14/13 12:41	10/15/13 20:22	1
Pentachlorophenol	<1.65		25.0	1.65	ug/L		10/14/13 12:41	10/15/13 20:22	1
Phenanthrene	<0.343		2.00	0.343	ug/L		10/14/13 12:41	10/15/13 20:22	1
Phenol	<3.45		10.0	3.45	ug/L		10/14/13 12:41	10/15/13 20:22	1
Pyrene	<0.331		2.00	0.331	ug/L		10/14/13 12:41	10/15/13 20:22	1
1,2,4,5-Tetrachlorobenzene	<4.04		10.0	4.04	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,3,4,6-Tetrachlorophenol	<3.63		10.0	3.63	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,4,5-Trichlorophenol	<2.03		25.0	2.03	ug/L		10/14/13 12:41	10/15/13 20:22	1
2,4,6-Trichlorophenol	<1.76		10.0	1.76	ug/L		10/14/13 12:41	10/15/13 20:22	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	69		29 - 120	10/14/13 12:41	10/15/13 20:22	1
2-Fluorophenol (Surr)	50		10 - 120	10/14/13 12:41	10/15/13 20:22	1
Nitrobenzene-d5 (Surr)	92		27 - 120	10/14/13 12:41	10/15/13 20:22	1
Phenol-d5 (Surr)	36		10 - 120	10/14/13 12:41	10/15/13 20:22	1
Terphenyl-d14 (Surr)	90		13 - 120	10/14/13 12:41	10/15/13 20:22	1
2,4,6-Tribromophenol (Surr)	74		10 - 120	10/14/13 12:41	10/15/13 20:22	1

**Lab Sample ID: LCS 490-114181/2-A**

**Matrix: Water**

**Analysis Batch: 114534**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114181**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				
Acenaphthene	50.0	44.63		ug/L		89	46 - 120
Acenaphthylene	50.0	48.22		ug/L		96	48 - 120
Acetophenone	50.0	49.90		ug/L		100	52 - 133
Anthracene	50.0	50.32		ug/L		101	58 - 130
Atrazine	50.0	62.27		ug/L		125	24 - 133
Benzaldehyde	100	104.0	E	ug/L		104	34 - 120
Benzo[a]anthracene	50.0	51.73		ug/L		103	57 - 120
Benzo[a]pyrene	50.0	53.38		ug/L		107	57 - 124
Benzo[b]fluoranthene	50.0	55.05		ug/L		110	51 - 125
Benzo[g,h,i]perylene	50.0	54.73		ug/L		109	51 - 123
Benzo[k]fluoranthene	50.0	47.27		ug/L		95	51 - 120
Biphenyl	50.0	44.21		ug/L		88	10 - 146
Bis(2-chloroethoxy)methane	50.0	46.82		ug/L		94	44 - 120
Bis(2-chloroethyl)ether	50.0	48.47		ug/L		97	47 - 120
bis (2-chloroisopropyl) ether	50.0	39.51		ug/L		79	44 - 120
Bis(2-ethylhexyl) phthalate	50.0	48.59		ug/L		97	47 - 138
4-Bromophenyl phenyl ether	50.0	48.09		ug/L		96	47 - 127

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114181/2-A**

**Matrix: Water**

**Analysis Batch: 114534**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114181**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
Butyl benzyl phthalate	50.0	51.02		ug/L		102	51 - 146
Caprolactam	50.0	15.36		ug/L		31	10 - 120
Carbazole	50.0	53.15		ug/L		106	54 - 123
4-Chloroaniline	50.0	44.74		ug/L		89	44 - 120
4-Chloro-3-methylphenol	50.0	54.39		ug/L		109	44 - 120
2-Chloronaphthalene	50.0	44.39		ug/L		89	39 - 120
2-Chlorophenol	50.0	46.49		ug/L		93	40 - 120
4-Chlorophenyl phenyl ether	50.0	46.80		ug/L		94	50 - 120
Chrysene	50.0	50.81		ug/L		102	55 - 120
Dibenz(a,h)anthracene	50.0	57.30		ug/L		115	50 - 125
Dibenzofuran	50.0	46.00		ug/L		92	50 - 120
3,3'-Dichlorobenzidine	50.0	53.58		ug/L		107	46 - 129
2,4-Dichlorophenol	50.0	48.40		ug/L		97	38 - 120
Diethyl phthalate	50.0	48.78		ug/L		98	54 - 128
2,4-Dimethylphenol	50.0	51.19		ug/L		102	21 - 126
Dimethyl phthalate	50.0	48.57		ug/L		97	53 - 127
Di-n-butyl phthalate	50.0	51.52		ug/L		103	54 - 140
4,6-Dinitro-2-methylphenol	100	113.1		ug/L		113	19 - 150
2,4-Dinitrophenol	100	99.22		ug/L		99	20 - 150
2,4-Dinitrotoluene	50.0	56.00		ug/L		112	46 - 132
2,6-Dinitrotoluene	50.0	52.80		ug/L		106	54 - 128
Di-n-octyl phthalate	50.0	49.24		ug/L		98	50 - 142
Fluoranthene	50.0	54.73		ug/L		109	56 - 120
Fluorene	50.0	49.21		ug/L		98	52 - 120
Hexachlorobenzene	50.0	43.98		ug/L		88	48 - 131
Hexachlorobutadiene	50.0	30.32		ug/L		61	28 - 120
Hexachlorocyclopentadiene	50.0	33.56		ug/L		67	17 - 120
Hexachloroethane	50.0	31.17		ug/L		62	30 - 120
Indeno[1,2,3-cd]pyrene	50.0	54.01		ug/L		108	54 - 125
Isophorone	50.0	52.57		ug/L		105	47 - 120
2-Methylnaphthalene	50.0	42.61		ug/L		85	31 - 120
2-Methylphenol	50.0	45.87		ug/L		92	38 - 120
3 & 4 Methylphenol	50.0	43.54		ug/L		87	33 - 120
Naphthalene	50.0	39.09		ug/L		78	37 - 120
2-Nitroaniline	50.0	60.92		ug/L		122	46 - 131
3-Nitroaniline	50.0	53.35		ug/L		107	54 - 121
4-Nitroaniline	50.0	54.71		ug/L		109	55 - 123
Nitrobenzene	50.0	53.05		ug/L		106	36 - 120
2-Nitrophenol	50.0	49.87		ug/L		100	32 - 120
4-Nitrophenol	100	43.88		ug/L		44	10 - 120
N-Nitrosodi-n-propylamine	50.0	55.73		ug/L		111	51 - 120
n-Nitrosodiphenylamine(as diphenylamine)	50.0	51.71		ug/L		103	58 - 149
Pentachlorophenol	100	85.72		ug/L		86	21 - 150
Phenanthrene	50.0	47.97		ug/L		96	56 - 120
Phenol	50.0	24.78		ug/L		50	14 - 120
Pyrene	50.0	49.83		ug/L		100	53 - 129
1,2,4,5-Tetrachlorobenzene	50.0	40.05		ug/L		80	25 - 120

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114181/2-A**  
**Matrix: Water**  
**Analysis Batch: 114534**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114181**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,4,6-Tetrachlorophenol	50.0	50.07		ug/L		100	31 - 148
2,4,5-Trichlorophenol	50.0	49.82		ug/L		100	40 - 129
2,4,6-Trichlorophenol	50.0	51.52		ug/L		103	39 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	80		29 - 120
2-Fluorophenol (Surr)	53		10 - 120
Nitrobenzene-d5 (Surr)	105		27 - 120
Phenol-d5 (Surr)	39		10 - 120
Terphenyl-d14 (Surr)	97		13 - 120
2,4,6-Tribromophenol (Surr)	86		10 - 120

## Method: 8081B - Organochlorine Pesticides (GC)

**Lab Sample ID: MB 490-113244/1-A**  
**Matrix: Water**  
**Analysis Batch: 113446**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 113244**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00590		0.0250	0.00590	ug/L		10/10/13 08:04	10/10/13 14:48	1
alpha-BHC	<0.0111		0.0250	0.0111	ug/L		10/10/13 08:04	10/10/13 14:48	1
beta-BHC	<0.00700		0.0250	0.00700	ug/L		10/10/13 08:04	10/10/13 14:48	1
delta-BHC	<0.00770		0.0250	0.00770	ug/L		10/10/13 08:04	10/10/13 14:48	1
gamma-BHC (Lindane)	<0.00570		0.0250	0.00570	ug/L		10/10/13 08:04	10/10/13 14:48	1
alpha-Chlordane	<0.00530		0.0250	0.00530	ug/L		10/10/13 08:04	10/10/13 14:48	1
gamma-Chlordane	<0.0180		0.0250	0.0180	ug/L		10/10/13 08:04	10/10/13 14:48	1
Chlordane (technical)	<0.183		2.00	0.183	ug/L		10/10/13 08:04	10/10/13 14:48	1
4,4'-DDD	<0.00770		0.0250	0.00770	ug/L		10/10/13 08:04	10/10/13 14:48	1
4,4'-DDE	<0.00990		0.0250	0.00990	ug/L		10/10/13 08:04	10/10/13 14:48	1
4,4'-DDT	<0.00890		0.0250	0.00890	ug/L		10/10/13 08:04	10/10/13 14:48	1
Dieldrin	<0.00570		0.0250	0.00570	ug/L		10/10/13 08:04	10/10/13 14:48	1
Endosulfan I	<0.00780		0.0250	0.00780	ug/L		10/10/13 08:04	10/10/13 14:48	1
Endosulfan II	<0.00540		0.0250	0.00540	ug/L		10/10/13 08:04	10/10/13 14:48	1
Endosulfan sulfate	<0.00650		0.0250	0.00650	ug/L		10/10/13 08:04	10/10/13 14:48	1
Endrin	<0.00660		0.0250	0.00660	ug/L		10/10/13 08:04	10/10/13 14:48	1
Endrin aldehyde	<0.00870		0.0250	0.00870	ug/L		10/10/13 08:04	10/10/13 14:48	1
Endrin ketone	<0.00650		0.0250	0.00650	ug/L		10/10/13 08:04	10/10/13 14:48	1
Heptachlor	<0.00570		0.0250	0.00570	ug/L		10/10/13 08:04	10/10/13 14:48	1
Heptachlor epoxide	<0.00700		0.0250	0.00700	ug/L		10/10/13 08:04	10/10/13 14:48	1
Methoxychlor	<0.00530		0.0250	0.00530	ug/L		10/10/13 08:04	10/10/13 14:48	1
Toxaphene	<0.0413		2.00	0.0413	ug/L		10/10/13 08:04	10/10/13 14:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		38 - 150	10/10/13 08:04	10/10/13 14:48	1
DCB Decachlorobiphenyl (Surr)	67		10 - 141	10/10/13 08:04	10/10/13 14:48	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 490-113244/2-A**

**Matrix: Water**

**Analysis Batch: 113446**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113244**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.4147		ug/L		83	38 - 128
alpha-BHC	0.500	0.5112		ug/L		102	47 - 136
beta-BHC	0.500	0.4686		ug/L		94	50 - 140
delta-BHC	0.500	0.4096		ug/L		82	35 - 145
gamma-BHC (Lindane)	0.500	0.5017		ug/L		100	50 - 138
alpha-Chlordane	0.500	0.5103		ug/L		102	49 - 137
gamma-Chlordane	0.500	0.5295		ug/L		106	46 - 143
4,4'-DDD	0.500	0.5339		ug/L		107	51 - 150
4,4'-DDE	0.500	0.5003		ug/L		100	49 - 138
4,4'-DDT	0.500	0.5337		ug/L		107	33 - 150
Dieldrin	0.500	0.5365		ug/L		107	49 - 136
Endosulfan I	0.500	0.5078		ug/L		102	10 - 150
Endosulfan II	0.500	0.5395		ug/L		108	11 - 150
Endosulfan sulfate	0.500	0.5530		ug/L		111	43 - 150
Endrin	0.500	0.6420		ug/L		128	54 - 150
Endrin aldehyde	0.500	0.5024		ug/L		100	50 - 150
Endrin ketone	0.500	0.5144		ug/L		103	50 - 147
Heptachlor	0.500	0.4231		ug/L		85	43 - 146
Heptachlor epoxide	0.500	0.5091		ug/L		102	50 - 136
Methoxychlor	0.500	0.5836		ug/L		117	35 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	74		38 - 150
DCB Decachlorobiphenyl (Surr)	72		10 - 141

**Lab Sample ID: LCS 490-113244/3-A**

**Matrix: Water**

**Analysis Batch: 113446**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113244**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlordane (technical)	5.00	3.396		ug/L		68	49 - 150
Toxaphene	10.0	7.510		ug/L		75	34 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	88		38 - 150
DCB Decachlorobiphenyl (Surr)	86		10 - 141

**Lab Sample ID: MB 490-114033/1-A**

**Matrix: Solid**

**Analysis Batch: 114485**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114033**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000310		0.00170	0.000310	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
alpha-BHC	<0.000200		0.00170	0.000200	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
beta-BHC	<0.00200		0.00330	0.00200	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
delta-BHC	<0.000380		0.00170	0.000380	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
gamma-BHC (Lindane)	<0.000390		0.00170	0.000390	mg/Kg		10/14/13 06:57	10/15/13 13:46	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: MB 490-114033/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114485**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114033**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	<0.000430		0.00170	0.000430	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
gamma-Chlordane	<0.000790		0.00170	0.000790	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Chlordane (technical)	<0.0363		0.0667	0.0363	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
4,4'-DDD	<0.000430		0.00170	0.000430	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
4,4'-DDE	<0.000500		0.00170	0.000500	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
4,4'-DDT	<0.000850		0.00170	0.000850	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Dieldrin	<0.000400		0.00170	0.000400	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endosulfan I	<0.000470		0.00170	0.000470	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endosulfan II	<0.000550		0.00170	0.000550	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endosulfan sulfate	<0.000500		0.00170	0.000500	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endrin	<0.000430		0.00170	0.000430	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endrin aldehyde	<0.000510		0.00170	0.000510	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Endrin ketone	<0.000590		0.00170	0.000590	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Heptachlor	<0.000420		0.00170	0.000420	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Heptachlor epoxide	<0.000650		0.00170	0.000650	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Methoxychlor	<0.000490		0.00330	0.000490	mg/Kg		10/14/13 06:57	10/15/13 13:46	1
Toxaphene	<0.0422		0.0667	0.0422	mg/Kg		10/14/13 06:57	10/15/13 13:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	86		21 - 145	10/14/13 06:57	10/15/13 13:46	1
DCB Decachlorobiphenyl (Surr)	101		25 - 150	10/14/13 06:57	10/15/13 13:46	1

**Lab Sample ID: LCS 490-114033/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114485**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114033**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlordane (technical)	0.167	0.1309		mg/Kg		79	50 - 150
Toxaphene	0.333	0.2472		mg/Kg		74	10 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	86		21 - 145
DCB Decachlorobiphenyl (Surr)	97		25 - 150

**Lab Sample ID: LCS 490-114033/3-A**  
**Matrix: Solid**  
**Analysis Batch: 114485**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114033**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0167	0.01379		mg/Kg		83	47 - 132
alpha-BHC	0.0167	0.01320		mg/Kg		79	45 - 128
beta-BHC	0.0167	0.01227		mg/Kg		74	48 - 135
delta-BHC	0.0167	0.01212		mg/Kg		73	10 - 149
gamma-BHC (Lindane)	0.0167	0.01291		mg/Kg		77	48 - 131
alpha-Chlordane	0.0167	0.01384		mg/Kg		83	47 - 134
gamma-Chlordane	0.0167	0.01392		mg/Kg		84	48 - 145
4,4'-DDD	0.0167	0.01339		mg/Kg		80	46 - 149
4,4'-DDE	0.0167	0.01342		mg/Kg		81	48 - 139

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 490-114033/3-A**

**Matrix: Solid**

**Analysis Batch: 114485**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114033**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDT	0.0167	0.01186		mg/Kg		71	24 - 150		
Dieldrin	0.0167	0.01353		mg/Kg		81	42 - 137		
Endosulfan I	0.0167	0.01360		mg/Kg		82	10 - 150		
Endosulfan II	0.0167	0.01369		mg/Kg		82	12 - 150		
Endosulfan sulfate	0.0167	0.01339		mg/Kg		80	36 - 148		
Endrin	0.0167	0.01572		mg/Kg		94	46 - 145		
Endrin aldehyde	0.0167	0.009974		mg/Kg		60	48 - 150		
Endrin ketone	0.0167	0.01248		mg/Kg		75	43 - 150		
Heptachlor	0.0167	0.01347		mg/Kg		81	45 - 140		
Heptachlor epoxide	0.0167	0.01358		mg/Kg		81	47 - 133		
Methoxychlor	0.0167	0.01337		mg/Kg		80	23 - 150		
		<b>LCS LCS</b>							
Surrogate	%Recovery	Qualifier	Limits						
Tetrachloro-m-xylene	70		21 - 145						
DCB Decachlorobiphenyl (Surr)	78		25 - 150						

**Lab Sample ID: 490-37157-G-2-B MS**

**Matrix: Soil**

**Analysis Batch: 114485**

**Client Sample ID: 490-37157-G-2-B MS**

**Prep Type: Total/NA**

**Prep Batch: 114033**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Aldrin	<0.000305		0.0166	<0.000309	F	mg/Kg	*	0	11 - 140	
alpha-BHC	0.0319		0.0166	0.01245	E p F	mg/Kg	*	-117	23 - 138	
beta-BHC	<0.00197		0.0166	0.01094	E p	mg/Kg	*	66	12 - 179	
delta-BHC	<0.000374		0.0166	0.01047	E p	mg/Kg	*	63	10 - 149	
gamma-BHC (Lindane)	0.0277		0.0166	0.01401	E p F	mg/Kg	*	-82	24 - 145	
alpha-Chlordane	<0.000423		0.0166	0.01313		mg/Kg	*	79	10 - 140	
gamma-Chlordane	0.000974		0.0166	0.006882	p	mg/Kg	*	36	10 - 140	
4,4'-DDD	<0.000423		0.0166	0.01691		mg/Kg	*	102	10 - 154	
4,4'-DDE	<0.000492		0.0166	0.01337		mg/Kg	*	80	14 - 139	
4,4'-DDT	0.00609		0.0166	0.01244	p	mg/Kg	*	38	10 - 152	
Dieldrin	<0.000394		0.0166	0.01787		mg/Kg	*	107	10 - 148	
Endosulfan I	<0.000463		0.0166	0.01351		mg/Kg	*	81	10 - 158	
Endosulfan II	<0.000542		0.0166	0.01856		mg/Kg	*	112	10 - 152	
Endosulfan sulfate	<0.000492		0.0166	0.01192		mg/Kg	*	72	10 - 148	
Endrin	<0.000423		0.0166	0.01573	p	mg/Kg	*	95	20 - 145	
Endrin aldehyde	<0.000502		0.0166	0.01238		mg/Kg	*	74	13 - 167	
Endrin ketone	<0.000581		0.0166	0.01084		mg/Kg	*	65	13 - 150	
Heptachlor	<0.000414		0.0166	0.01231		mg/Kg	*	74	10 - 161	
Heptachlor epoxide	<0.000640		0.0166	0.01400		mg/Kg	*	84	15 - 139	
Methoxychlor	<0.000482		0.0166	0.01120		mg/Kg	*	67	10 - 175	
		<b>MS MS</b>								
Surrogate	%Recovery	Qualifier	Limits							
Tetrachloro-m-xylene	135	p	21 - 145							
DCB Decachlorobiphenyl (Surr)	64		25 - 150							

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 490-37157-G-2-C MSD**

**Matrix: Soil**

**Analysis Batch: 114485**

**Client Sample ID: 490-37157-G-2-C MSD**

**Prep Type: Total/NA**

**Prep Batch: 114033**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aldrin	<0.000305		0.0167	<0.000310	F	mg/Kg	☼	0	11 - 140	NC		50
alpha-BHC	0.0319		0.0167	0.01311	E p F	mg/Kg	☼	-113	23 - 138	5		50
beta-BHC	<0.00197		0.0167	0.01056	E p	mg/Kg	☼	63	12 - 179	4		50
delta-BHC	<0.000374		0.0167	0.01190	E p	mg/Kg	☼	71	10 - 149	13		50
gamma-BHC (Lindane)	0.0277		0.0167	0.01195	E p F	mg/Kg	☼	-95	24 - 145	16		50
alpha-Chlordane	<0.000423		0.0167	0.01155	p	mg/Kg	☼	69	10 - 140	13		50
gamma-Chlordane	0.000974		0.0167	0.006393	p	mg/Kg	☼	33	10 - 140	7		50
4,4'-DDD	<0.000423		0.0167	0.01082	E p	mg/Kg	☼	65	10 - 154	44		50
4,4'-DDE	<0.000492		0.0167	0.01168	p	mg/Kg	☼	70	14 - 139	13		50
4,4'-DDT	0.00609		0.0167	0.01065	E p	mg/Kg	☼	27	10 - 152	16		50
Dieldrin	<0.000394		0.0167	0.01208	p	mg/Kg	☼	73	10 - 148	39		50
Endosulfan I	<0.000463		0.0167	0.01131	p	mg/Kg	☼	68	10 - 158	18		50
Endosulfan II	<0.000542		0.0167	0.01418	p	mg/Kg	☼	85	10 - 152	27		50
Endosulfan sulfate	<0.000492		0.0167	0.01281		mg/Kg	☼	77	10 - 148	7		50
Endrin	<0.000423		0.0167	0.01462	p	mg/Kg	☼	88	20 - 145	7		50
Endrin aldehyde	<0.000502		0.0167	0.01150	p	mg/Kg	☼	69	13 - 167	7		50
Endrin ketone	<0.000581		0.0167	0.01057		mg/Kg	☼	63	13 - 150	2		50
Heptachlor	<0.000414		0.0167	0.01231		mg/Kg	☼	74	10 - 161	0		50
Heptachlor epoxide	<0.000640		0.0167	0.01463	p	mg/Kg	☼	88	15 - 139	4		50
Methoxychlor	<0.000482		0.0167	0.01177		mg/Kg	☼	71	10 - 175	5		50

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	138	p	21 - 145
DCB Decachlorobiphenyl (Surr)	71	p	25 - 150

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 490-113234/1-A**

**Matrix: Solid**

**Analysis Batch: 113657**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 113234**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0100		0.0333	0.0100	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
PCB-1221	<0.0100		0.0333	0.0100	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
PCB-1232	<0.0200		0.0333	0.0200	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
PCB-1242	<0.0100		0.0333	0.0100	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
PCB-1248	<0.0100		0.0333	0.0100	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
PCB-1254	<0.0100		0.0333	0.0100	mg/Kg		10/10/13 07:37	10/12/13 15:17	1
PCB-1260	<0.0100		0.0333	0.0100	mg/Kg		10/10/13 07:37	10/12/13 15:17	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	89		20 - 150	10/10/13 07:37	10/12/13 15:17	1
Tetrachloro-m-xylene	110		19 - 147	10/10/13 07:37	10/12/13 15:17	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: LCS 490-113234/2-A**

**Matrix: Solid**

**Analysis Batch: 113657**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113234**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1242	0.167	0.1620		mg/Kg		97	39 - 150

Surrogate	LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	86		20 - 150
Tetrachloro-m-xylene	90		19 - 147

**Lab Sample ID: 490-37157-1 MS**

**Matrix: Soil**

**Analysis Batch: 113657**

**Client Sample ID: TACT 29 SB-1 (0-2)**

**Prep Type: Total/NA**

**Prep Batch: 113234**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1242	<0.00986		0.166	0.1547		mg/Kg	☒	93	10 - 168

Surrogate	MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	80		20 - 150
Tetrachloro-m-xylene	84		19 - 147

**Lab Sample ID: 490-37157-1 MSD**

**Matrix: Soil**

**Analysis Batch: 113657**

**Client Sample ID: TACT 29 SB-1 (0-2)**

**Prep Type: Total/NA**

**Prep Batch: 113234**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1242	<0.00986		0.173	0.1600		mg/Kg	☒	92	10 - 168	3	50

Surrogate	MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	82		20 - 150
Tetrachloro-m-xylene	84		19 - 147

**Lab Sample ID: MB 490-113265/1-A**

**Matrix: Water**

**Analysis Batch: 113407**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 113265**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0490		0.500	0.0490	ug/L		10/10/13 09:23	10/10/13 19:05	1
PCB-1221	<0.260		0.500	0.260	ug/L		10/10/13 09:23	10/10/13 19:05	1
PCB-1232	<0.0700		0.500	0.0700	ug/L		10/10/13 09:23	10/10/13 19:05	1
PCB-1242	<0.0640		0.500	0.0640	ug/L		10/10/13 09:23	10/10/13 19:05	1
PCB-1248	<0.0690		0.500	0.0690	ug/L		10/10/13 09:23	10/10/13 19:05	1
PCB-1254	<0.00700		0.500	0.00700	ug/L		10/10/13 09:23	10/10/13 19:05	1
PCB-1260	<0.0120		0.500	0.0120	ug/L		10/10/13 09:23	10/10/13 19:05	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	61		10 - 150	10/10/13 09:23	10/10/13 19:05	1
Tetrachloro-m-xylene	112		10 - 150	10/10/13 09:23	10/10/13 19:05	1

TestAmerica Nashville

## QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

### Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: LCS 490-113265/2-A**

**Matrix: Water**

**Analysis Batch: 113407**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113265**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1242	5.00	4.180		ug/L		84	10 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	61		10 - 150
Tetrachloro-m-xylene	107		10 - 150

### Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 490-113013/1-A**

**Matrix: Water**

**Analysis Batch: 113584**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 113013**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0680		0.100	0.0680	mg/L		10/09/13 10:56	10/10/13 19:23	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/09/13 10:56	10/10/13 19:23	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/09/13 10:56	10/10/13 19:23	1
Barium	0.0005000	J	0.0100	0.0005000	mg/L		10/09/13 10:56	10/10/13 19:23	1
Beryllium	<0.000300		0.00400	0.0003000	mg/L		10/09/13 10:56	10/10/13 19:23	1
Cadmium	<0.000200		0.00100	0.0002000	mg/L		10/09/13 10:56	10/10/13 19:23	1
Calcium	<0.150		1.00	0.150	mg/L		10/09/13 10:56	10/10/13 19:23	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/09/13 10:56	10/10/13 19:23	1
Cobalt	<0.000900		0.0100	0.0009000	mg/L		10/09/13 10:56	10/10/13 19:23	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/09/13 10:56	10/10/13 19:23	1
Iron	0.01100	J	0.100	0.00560	mg/L		10/09/13 10:56	10/10/13 19:23	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/09/13 10:56	10/10/13 19:23	1
Magnesium	<0.0530		1.00	0.0530	mg/L		10/09/13 10:56	10/10/13 19:23	1
Manganese	<0.000300		0.0150	0.0003000	mg/L		10/09/13 10:56	10/10/13 19:23	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/09/13 10:56	10/10/13 19:23	1
Potassium	<0.0880		1.00	0.0880	mg/L		10/09/13 10:56	10/10/13 19:23	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/09/13 10:56	10/10/13 19:23	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/09/13 10:56	10/10/13 19:23	1
Sodium	0.2803	J	1.00	0.0210	mg/L		10/09/13 10:56	10/10/13 19:23	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/09/13 10:56	10/10/13 19:23	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/09/13 10:56	10/10/13 19:23	1
Zinc	0.003800	J	0.0500	0.000400	mg/L		10/09/13 10:56	10/10/13 19:23	1

**Lab Sample ID: LCS 490-113013/2-A**

**Matrix: Water**

**Analysis Batch: 113584**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113013**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.876		mg/L		94	80 - 120
Antimony	0.100	0.1016		mg/L		102	80 - 120
Barium	2.00	2.044		mg/L		102	80 - 120
Beryllium	0.0500	0.04970		mg/L		99	80 - 120
Cadmium	0.0500	0.04950		mg/L		99	80 - 120
Calcium	5.00	4.802		mg/L		96	80 - 120
Chromium	0.200	0.1939		mg/L		97	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-113013/2-A**  
**Matrix: Water**  
**Analysis Batch: 113584**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113013**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Cobalt	0.500	0.5031		mg/L		101	80 - 120	
Copper	0.250	0.2346		mg/L		94	80 - 120	
Iron	1.00	1.017		mg/L		102	80 - 120	
Lead	0.0500	0.04980		mg/L		100	80 - 120	
Magnesium	5.00	4.967		mg/L		99	80 - 120	
Manganese	0.500	0.5066		mg/L		101	80 - 120	
Nickel	0.500	0.5097		mg/L		102	80 - 120	
Potassium	5.00	4.777		mg/L		96	80 - 120	
Selenium	0.0500	0.04890		mg/L		98	80 - 120	
Silver	0.0500	0.04980		mg/L		100	80 - 120	
Sodium	5.00	5.203		mg/L		104	80 - 120	
Thallium	0.0500	0.04610		mg/L		92	80 - 120	
Vanadium	0.500	0.4867		mg/L		97	80 - 120	
Zinc	0.500	0.4795		mg/L		96	80 - 120	

**Lab Sample ID: LCS 490-113013/2-A**  
**Matrix: Water**  
**Analysis Batch: 114052**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113013**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	2.00	2.038		mg/L		102	80 - 120	

**Lab Sample ID: LCSD 490-113013/3-A**  
**Matrix: Water**  
**Analysis Batch: 113584**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 113013**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Aluminum	2.00	1.926		mg/L		96	80 - 120	3	20	
Antimony	0.100	0.09810		mg/L		98	80 - 120	4	20	
Arsenic	0.0500	0.04580		mg/L		92	80 - 120	16	20	
Barium	2.00	2.016		mg/L		101	80 - 120	1	20	
Beryllium	0.0500	0.04850		mg/L		97	80 - 120	2	20	
Cadmium	0.0500	0.04940		mg/L		99	80 - 120	0	20	
Calcium	5.00	4.708		mg/L		94	80 - 120	2	20	
Chromium	0.200	0.1924		mg/L		96	80 - 120	1	20	
Cobalt	0.500	0.4959		mg/L		99	80 - 120	1	20	
Copper	0.250	0.2324		mg/L		93	80 - 120	1	20	
Iron	1.00	0.9654		mg/L		97	80 - 120	5	20	
Lead	0.0500	0.04980		mg/L		100	80 - 120	0	20	
Magnesium	5.00	4.851		mg/L		97	80 - 120	2	20	
Manganese	0.500	0.5035		mg/L		101	80 - 120	1	20	
Nickel	0.500	0.5023		mg/L		100	80 - 120	1	20	
Potassium	5.00	4.636		mg/L		93	80 - 120	3	20	
Selenium	0.0500	0.04480		mg/L		90	80 - 120	9	20	
Silver	0.0500	0.04910		mg/L		98	80 - 120	1	20	
Sodium	5.00	5.038		mg/L		101	80 - 120	3	20	
Thallium	0.0500	0.04460		mg/L		89	80 - 120	3	20	
Vanadium	0.500	0.4711		mg/L		94	80 - 120	3	20	
Zinc	0.500	0.4753		mg/L		95	80 - 120	1	20	

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37233-D-11-B MS**

**Matrix: Water**

**Analysis Batch: 113584**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 113013**

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS Qualifier	Unit	D	%Rec	%Rec.	
	Result			Result					Limits	Limits
Aluminum	<0.0680		2.00	2.063		mg/L		103	75 - 125	
Antimony	<0.00670		0.100	0.1106		mg/L		111	75 - 125	
Arsenic	<0.00470		0.0500	0.05400		mg/L		108	75 - 125	
Barium	0.0846	B	2.00	2.088		mg/L		100	75 - 125	
Beryllium	<0.000300		0.0500	0.05080		mg/L		102	75 - 125	
Cadmium	<0.000200		0.0500	0.04880		mg/L		98	75 - 125	
Calcium	178		5.00	181.4	4	mg/L		78	75 - 125	
Chromium	<0.00120		0.200	0.1966		mg/L		98	75 - 125	
Cobalt	<0.000900		0.500	0.5390		mg/L		108	75 - 125	
Copper	<0.00700		0.250	0.2506		mg/L		100	75 - 125	
Iron	0.161	B	1.00	1.127		mg/L		97	75 - 125	
Lead	0.00400	J	0.0500	0.05670		mg/L		105	75 - 125	
Magnesium	323		5.00	326.6	4	mg/L		76	75 - 125	
Manganese	0.120		0.500	0.6232		mg/L		101	75 - 125	
Nickel	<0.00130		0.500	0.5385		mg/L		108	75 - 125	
Selenium	<0.00640		0.0500	0.03920		mg/L		78	75 - 125	
Silver	<0.00130		0.0500	0.05790		mg/L		116	75 - 125	
Sodium	2160	B *	5.00	2069	4	mg/L		-1780	75 - 125	
Thallium	<0.00450		0.0500	0.03920		mg/L		78	75 - 125	
Vanadium	<0.0150		0.500	0.5025		mg/L		101	75 - 125	
Zinc	0.00360	J B *	0.500	0.5467		mg/L		109	75 - 125	

**Lab Sample ID: 490-37233-D-11-B MS**

**Matrix: Water**

**Analysis Batch: 114052**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 113013**

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS Qualifier	Unit	D	%Rec	%Rec.	
	Result			Result					Limits	Limits
Potassium	61.7		5.00	66.69	4	mg/L		101	75 - 125	

**Lab Sample ID: 490-37233-D-11-C MSD**

**Matrix: Water**

**Analysis Batch: 113584**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 113013**

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
	Result			Result					Limits	Limits	RPD	Limit
Aluminum	<0.0680		2.00	2.127		mg/L		106	75 - 125	3	20	
Antimony	<0.00670		0.100	0.1147		mg/L		115	75 - 125	4	20	
Arsenic	<0.00470		0.0500	0.05310		mg/L		106	75 - 125	2	20	
Barium	0.0846	B	2.00	2.119		mg/L		102	75 - 125	1	20	
Beryllium	<0.000300		0.0500	0.05070		mg/L		101	75 - 125	0	20	
Cadmium	<0.000200		0.0500	0.04910		mg/L		98	75 - 125	1	20	
Calcium	178		5.00	180.7	4	mg/L		64	75 - 125	0	20	
Chromium	<0.00120		0.200	0.1957		mg/L		98	75 - 125	0	20	
Cobalt	<0.000900		0.500	0.5491		mg/L		110	75 - 125	2	20	
Copper	<0.00700		0.250	0.2496		mg/L		100	75 - 125	0	20	
Iron	0.161	B	1.00	1.133		mg/L		97	75 - 125	1	20	
Lead	0.00400	J	0.0500	0.05810		mg/L		108	75 - 125	2	20	
Magnesium	323		5.00	324.2	4	mg/L		28	75 - 125	1	20	
Manganese	0.120		0.500	0.6323		mg/L		102	75 - 125	1	20	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37233-D-11-C MSD**

**Matrix: Water**

**Analysis Batch: 113584**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 113013**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Nickel	<0.00130		0.500	0.5509		mg/L		110	75 - 125	2	20
Selenium	<0.00640		0.0500	0.03910		mg/L		78	75 - 125	0	20
Silver	<0.00130		0.0500	0.05870		mg/L		117	75 - 125	1	20
Sodium	2160	B *	5.00	2029	4	mg/L		-2580	75 - 125	2	20
Thallium	<0.00450		0.0500	0.04570		mg/L		91	75 - 125	15	20
Vanadium	<0.0150		0.500	0.5024		mg/L		100	75 - 125	0	20
Zinc	0.00360	J B *	0.500	0.5538		mg/L		110	75 - 125	1	20

**Lab Sample ID: 490-37233-D-11-C MSD**

**Matrix: Water**

**Analysis Batch: 114052**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 113013**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Potassium	61.7		5.00	66.63	4	mg/L		99	75 - 125	0	20

**Lab Sample ID: MB 490-113240/1-A**

**Matrix: Solid**

**Analysis Batch: 113576**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 113240**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<16.0		20.0	16.0	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Antimony	<1.40		9.98	1.40	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Arsenic	<0.948		2.00	0.948	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Barium	<0.200		2.00	0.200	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Beryllium	<0.0998		0.998	0.0998	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Cadmium	<0.0998		0.998	0.0998	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Calcium	<43.9		200	43.9	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Chromium	<0.299		0.998	0.299	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Cobalt	<0.299		2.00	0.299	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Copper	<1.70		2.00	1.70	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Iron	<1.50		20.0	1.50	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Lead	<0.699		0.998	0.699	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Magnesium	<13.0		200	13.0	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Manganese	<0.329		2.99	0.329	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Nickel	<0.299		2.00	0.299	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Potassium	<20.0		200	20.0	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Selenium	<1.50		2.00	1.50	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Silver	<0.299		0.998	0.299	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Sodium	30.34	J	200	20.0	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Thallium	<1.20		2.00	1.20	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Vanadium	<3.09		9.98	3.09	mg/Kg		10/10/13 07:53	10/10/13 17:06	1
Zinc	2.335	J	9.98	0.998	mg/Kg		10/10/13 07:53	10/10/13 17:06	1

**Lab Sample ID: LCS 490-113240/2-A**

**Matrix: Solid**

**Analysis Batch: 113576**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 113240**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
Aluminum	798	776.0		mg/Kg		97	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-113240/2-A**  
**Matrix: Solid**  
**Analysis Batch: 113576**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113240**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	39.9	35.85		mg/Kg		90	80 - 120
Arsenic	20.0	18.18		mg/Kg		91	80 - 120
Barium	798	813.2		mg/Kg		102	80 - 120
Beryllium	20.0	21.00		mg/Kg		105	80 - 120
Cadmium	20.0	20.26		mg/Kg		101	80 - 120
Calcium	2000	2144		mg/Kg		107	80 - 120
Chromium	79.8	82.48		mg/Kg		103	80 - 120
Cobalt	200	205.8		mg/Kg		103	80 - 120
Copper	99.8	101.9		mg/Kg		102	80 - 120
Iron	399	433.7		mg/Kg		109	80 - 120
Lead	20.0	20.36		mg/Kg		102	80 - 120
Magnesium	2000	2048		mg/Kg		103	80 - 120
Manganese	200	210.4		mg/Kg		105	80 - 120
Nickel	200	211.2		mg/Kg		106	80 - 120
Potassium	2000	1965		mg/Kg		98	80 - 120
Selenium	20.0	19.30		mg/Kg		97	80 - 120
Silver	20.0	20.24		mg/Kg		101	80 - 120
Sodium	2000	2156		mg/Kg		108	80 - 120
Thallium	20.0	19.90		mg/Kg		100	80 - 120
Vanadium	200	207.0		mg/Kg		104	80 - 120
Zinc	200	202.2		mg/Kg		101	80 - 120

**Lab Sample ID: 490-37157-1 MS**  
**Matrix: Soil**  
**Analysis Batch: 113576**

**Client Sample ID: TACT 29 SB-1 (0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 113240**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	3160		834	6280	F	mg/Kg	☼	374	75 - 125
Antimony	<1.45		41.7	31.82		mg/Kg	☼	76	75 - 125
Arsenic	1.09	J	20.9	17.89		mg/Kg	☼	81	75 - 125
Barium	8.36		834	772.7		mg/Kg	☼	92	75 - 125
Beryllium	<0.103		20.9	19.35		mg/Kg	☼	93	75 - 125
Cadmium	<0.103		20.9	19.24		mg/Kg	☼	92	75 - 125
Calcium	222		2090	2175		mg/Kg	☼	94	75 - 125
Chromium	31.2		83.4	187.5	F	mg/Kg	☼	187	75 - 125
Cobalt	0.475	J	209	199.1		mg/Kg	☼	95	75 - 125
Copper	<1.75		104	94.58		mg/Kg	☼	91	75 - 125
Iron	1720		417	2861	4	mg/Kg	☼	273	75 - 125
Lead	3.90		20.9	26.21		mg/Kg	☼	107	75 - 125
Magnesium	665		2090	3814	F	mg/Kg	☼	151	75 - 125
Manganese	4.89		209	219.3		mg/Kg	☼	103	75 - 125
Nickel	3.26		209	214.6		mg/Kg	☼	101	75 - 125
Potassium	156	J	2090	2016		mg/Kg	☼	89	75 - 125
Selenium	<1.55		20.9	16.64		mg/Kg	☼	80	75 - 125
Silver	<0.310		20.9	19.56		mg/Kg	☼	94	75 - 125
Sodium	66.7	J B	2090	2047		mg/Kg	☼	95	75 - 125
Thallium	<1.24		20.9	19.08		mg/Kg	☼	91	75 - 125
Vanadium	6.28	J	209	199.5		mg/Kg	☼	93	75 - 125

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37157-1 MS**  
**Matrix: Soil**  
**Analysis Batch: 113576**

**Client Sample ID: TACT 29 SB-1 (0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 113240**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Zinc	14.3	B	209	210.0		mg/Kg	☼	94	75 - 125

**Lab Sample ID: 490-37157-1 MSD**  
**Matrix: Soil**  
**Analysis Batch: 113576**

**Client Sample ID: TACT 29 SB-1 (0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 113240**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Aluminum	3160		821	5072	F	mg/Kg	☼	232	75 - 125	21	20
Antimony	<1.45		41.0	35.43		mg/Kg	☼	86	75 - 125	11	20
Arsenic	1.09	J	20.5	18.62		mg/Kg	☼	85	75 - 125	4	20
Barium	8.36		821	807.2		mg/Kg	☼	97	75 - 125	4	20
Beryllium	<0.103		20.5	20.22		mg/Kg	☼	98	75 - 125	4	20
Cadmium	<0.103		20.5	20.09		mg/Kg	☼	98	75 - 125	4	20
Calcium	222		2050	2077		mg/Kg	☼	90	75 - 125	5	20
Chromium	31.2		82.1	112.0	F	mg/Kg	☼	98	75 - 125	50	20
Cobalt	0.475	J	205	208.5		mg/Kg	☼	101	75 - 125	5	20
Copper	<1.75		103	99.13		mg/Kg	☼	97	75 - 125	5	20
Iron	1720		410	2533	4	mg/Kg	☼	198	75 - 125	12	20
Lead	3.90		20.5	24.77		mg/Kg	☼	102	75 - 125	6	20
Magnesium	665		2050	2525	F	mg/Kg	☼	91	75 - 125	41	20
Manganese	4.89		205	213.9		mg/Kg	☼	102	75 - 125	3	20
Nickel	3.26		205	218.2		mg/Kg	☼	105	75 - 125	2	20
Potassium	156	J	2050	2069		mg/Kg	☼	93	75 - 125	3	20
Selenium	<1.55		20.5	17.96		mg/Kg	☼	87	75 - 125	8	20
Silver	<0.310		20.5	19.99		mg/Kg	☼	97	75 - 125	2	20
Sodium	66.7	J B	2050	2141		mg/Kg	☼	101	75 - 125	4	20
Thallium	<1.24		20.5	19.83		mg/Kg	☼	97	75 - 125	4	20
Vanadium	6.28	J	205	206.1		mg/Kg	☼	97	75 - 125	3	20
Zinc	14.3	B	205	209.4		mg/Kg	☼	95	75 - 125	0	20

**Lab Sample ID: MB 490-114970/1-A**  
**Matrix: Solid**  
**Analysis Batch: 115266**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114970**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<15.6		19.5	15.6	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Antimony	<1.36		9.75	1.36	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Arsenic	<0.926		1.95	0.926	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Barium	<0.195		1.95	0.195	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Beryllium	<0.0975		0.975	0.0975	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Cadmium	<0.0975		0.975	0.0975	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Calcium	<42.9		195	42.9	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Chromium	<0.292		0.975	0.292	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Cobalt	<0.292		1.95	0.292	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Copper	<1.66		1.95	1.66	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Iron	2.125	J	19.5	1.46	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Lead	<0.682		0.975	0.682	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Magnesium	<12.7		195	12.7	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Manganese	<0.322		2.92	0.322	mg/Kg		10/17/13 08:39	10/17/13 17:02	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-114970/1-A**  
**Matrix: Solid**  
**Analysis Batch: 115266**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114970**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nickel	<0.292		1.95	0.292	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Potassium	36.51	J	195	19.5	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Selenium	<1.46		1.95	1.46	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Silver	<0.292		0.975	0.292	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Sodium	66.90	J	195	19.5	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Thallium	<1.17		1.95	1.17	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Vanadium	<3.02		9.75	3.02	mg/Kg		10/17/13 08:39	10/17/13 17:02	1
Zinc	<0.975		9.75	0.975	mg/Kg		10/17/13 08:39	10/17/13 17:02	1

**Lab Sample ID: LCS 490-114970/2-A**  
**Matrix: Solid**  
**Analysis Batch: 115266**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114970**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aluminum	781	723.2		mg/Kg		93	80 - 120
Antimony	39.1	31.93		mg/Kg		82	80 - 120
Arsenic	19.5	17.32		mg/Kg		89	80 - 120
Barium	781	772.3		mg/Kg		99	80 - 120
Beryllium	19.5	19.94		mg/Kg		102	80 - 120
Cadmium	19.5	19.73		mg/Kg		101	80 - 120
Calcium	1950	1892		mg/Kg		97	80 - 120
Chromium	78.1	78.09		mg/Kg		100	80 - 120
Cobalt	195	196.1		mg/Kg		100	80 - 120
Copper	97.7	95.18		mg/Kg		97	80 - 120
Iron	391	389.5		mg/Kg		100	80 - 120
Lead	19.5	20.10		mg/Kg		103	80 - 120
Magnesium	1950	1912		mg/Kg		98	80 - 120
Manganese	195	202.0		mg/Kg		103	80 - 120
Nickel	195	198.2		mg/Kg		102	80 - 120
Potassium	1950	1836		mg/Kg		94	80 - 120
Selenium	19.5	17.68		mg/Kg		91	80 - 120
Silver	19.5	19.63		mg/Kg		101	80 - 120
Sodium	1950	1967		mg/Kg		101	80 - 120
Thallium	19.5	18.38		mg/Kg		94	80 - 120
Vanadium	195	195.5		mg/Kg		100	80 - 120
Zinc	195	187.8		mg/Kg		96	80 - 120

**Lab Sample ID: 490-37495-A-10-C MS**  
**Matrix: Solid**  
**Analysis Batch: 115266**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 114970**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Aluminum	13500		1060	21190	4	mg/Kg	☼	729	75 - 125
Antimony	<1.85		52.9	51.76		mg/Kg	☼	98	75 - 125
Arsenic	66.0		26.4	90.19		mg/Kg	☼	92	75 - 125
Barium	16.4		1060	1097		mg/Kg	☼	102	75 - 125
Beryllium	0.132		26.4	27.46		mg/Kg	☼	103	75 - 125
Cadmium	8.86		26.4	41.45		mg/Kg	☼	123	75 - 125
Calcium	11400		2640	49800	4	mg/Kg	☼	1451	75 - 125

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37495-A-10-C MS**  
**Matrix: Solid**  
**Analysis Batch: 115266**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 114970**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Chromium	148		106	248.1		mg/Kg	*	95	75 - 125	
Cobalt	<0.396		264	289.4		mg/Kg	*	109	75 - 125	
Copper	25.3		132	166.3		mg/Kg	*	107	75 - 125	
Iron	74800		529	82920	E 4	mg/Kg	*	1530	75 - 125	
Lead	58.8		26.4	185.6	F	mg/Kg	*	480	75 - 125	
Magnesium	317		2640	3661	F	mg/Kg	*	126	75 - 125	
Manganese	142		264	477.1	F	mg/Kg	*	127	75 - 125	
Nickel	8.93		264	302.1		mg/Kg	*	111	75 - 125	
Potassium	126		2640	2715		mg/Kg	*	98	75 - 125	
Selenium	<1.98		26.4	3.225	F	mg/Kg	*	12	75 - 125	
Silver	<0.396		26.4	19.03	F	mg/Kg	*	72	75 - 125	
Sodium	102		2640	2889		mg/Kg	*	105	75 - 125	
Thallium	<1.59		26.4	24.95		mg/Kg	*	94	75 - 125	
Vanadium	201		264	466.8		mg/Kg	*	100	75 - 125	
Zinc	48.7		264	383.0	F	mg/Kg	*	126	75 - 125	

**Lab Sample ID: 490-37495-A-10-D MSD**  
**Matrix: Solid**  
**Analysis Batch: 115266**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 114970**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Aluminum	13500		1060	22150	4	mg/Kg	*	821	75 - 125	4	20	
Antimony	<1.85		52.8	40.79	F	mg/Kg	*	77	75 - 125	24	20	
Arsenic	66.0		26.4	94.31		mg/Kg	*	107	75 - 125	4	20	
Barium	16.4		1060	1009		mg/Kg	*	94	75 - 125	8	20	
Beryllium	0.132		26.4	25.83		mg/Kg	*	97	75 - 125	6	20	
Cadmium	8.86		26.4	33.06	F	mg/Kg	*	92	75 - 125	23	20	
Calcium	11400		2640	13490	4 F	mg/Kg	*	78	75 - 125	115	20	
Chromium	148		106	244.1		mg/Kg	*	91	75 - 125	2	20	
Cobalt	<0.396		264	259.1		mg/Kg	*	98	75 - 125	11	20	
Copper	25.3		132	144.0		mg/Kg	*	90	75 - 125	14	20	
Iron	74800		528	68560	E 4	mg/Kg	*	-1188	75 - 125	19	20	
Lead	58.8		26.4	83.97	F	mg/Kg	*	95	75 - 125	75	20	
Magnesium	317		2640	2889	F	mg/Kg	*	97	75 - 125	24	20	
Manganese	142		264	374.6	F	mg/Kg	*	88	75 - 125	24	20	
Nickel	8.93		264	271.7		mg/Kg	*	100	75 - 125	11	20	
Potassium	126		2640	2489		mg/Kg	*	90	75 - 125	9	20	
Selenium	<1.98		26.4	12.69	F	mg/Kg	*	48	75 - 125	119	20	
Silver	<0.396		26.4	23.77	F	mg/Kg	*	90	75 - 125	22	20	
Sodium	102		2640	2610		mg/Kg	*	95	75 - 125	10	20	
Thallium	<1.59		26.4	24.69		mg/Kg	*	94	75 - 125	1	20	
Vanadium	201		264	466.7		mg/Kg	*	101	75 - 125	0	20	
Zinc	48.7		264	297.3	F	mg/Kg	*	94	75 - 125	25	20	

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-112786/1-B**  
**Matrix: Water**  
**Analysis Batch: 113217**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 112788**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0680		0.100	0.0680	mg/L		10/08/13 13:34	10/09/13 12:16	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/08/13 13:34	10/09/13 12:16	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/08/13 13:34	10/09/13 12:16	1
Barium	0.0006000	J	0.0100	0.000500	mg/L		10/08/13 13:34	10/09/13 12:16	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/08/13 13:34	10/09/13 12:16	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/08/13 13:34	10/09/13 12:16	1
Calcium	<0.150		1.00	0.150	mg/L		10/08/13 13:34	10/09/13 12:16	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/08/13 13:34	10/09/13 12:16	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/08/13 13:34	10/09/13 12:16	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/08/13 13:34	10/09/13 12:16	1
Iron	<0.00560		0.100	0.00560	mg/L		10/08/13 13:34	10/09/13 12:16	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/08/13 13:34	10/09/13 12:16	1
Magnesium	0.05560	J	1.00	0.0530	mg/L		10/08/13 13:34	10/09/13 12:16	1
Manganese	<0.000300		0.0150	0.000300	mg/L		10/08/13 13:34	10/09/13 12:16	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/08/13 13:34	10/09/13 12:16	1
Potassium	0.2128	J	1.00	0.0880	mg/L		10/08/13 13:34	10/09/13 12:16	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/08/13 13:34	10/09/13 12:16	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/08/13 13:34	10/09/13 12:16	1
Sodium	0.4406	J	1.00	0.0210	mg/L		10/08/13 13:34	10/09/13 12:16	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/08/13 13:34	10/09/13 12:16	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/08/13 13:34	10/09/13 12:16	1
Zinc	0.001800	J	0.0500	0.000400	mg/L		10/08/13 13:34	10/09/13 12:16	1

**Lab Sample ID: LCS 490-112786/2-B**  
**Matrix: Water**  
**Analysis Batch: 113217**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 112788**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.901		mg/L		95	80 - 120
Antimony	0.100	0.09620		mg/L		96	80 - 120
Arsenic	0.0500	0.04590		mg/L		92	80 - 120
Barium	2.00	2.023		mg/L		101	80 - 120
Beryllium	0.0500	0.05080		mg/L		102	80 - 120
Cadmium	0.0500	0.05210		mg/L		104	80 - 120
Calcium	5.00	4.887		mg/L		98	80 - 120
Chromium	0.200	0.1993		mg/L		100	80 - 120
Cobalt	0.500	0.4986		mg/L		100	80 - 120
Copper	0.250	0.2432		mg/L		97	80 - 120
Iron	1.00	1.007		mg/L		101	80 - 120
Lead	0.0500	0.05230		mg/L		105	80 - 120
Magnesium	5.00	5.009		mg/L		100	80 - 120
Manganese	0.500	0.5193		mg/L		104	80 - 120
Nickel	0.500	0.5082		mg/L		102	80 - 120
Potassium	5.00	4.939		mg/L		99	80 - 120
Selenium	0.0500	0.04600		mg/L		92	80 - 120
Silver	0.0500	0.05180		mg/L		104	80 - 120
Sodium	5.00	5.310		mg/L		106	80 - 120
Thallium	0.0500	0.05610		mg/L		112	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 490-112786/2-B  
Matrix: Water  
Analysis Batch: 113217

Client Sample ID: Lab Control Sample  
Prep Type: Dissolved  
Prep Batch: 112788

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	0.500	0.4831		mg/L		97	80 - 120
Zinc	0.500	0.5033		mg/L		101	80 - 120

Lab Sample ID: LCSD 490-112786/3-B  
Matrix: Water  
Analysis Batch: 113217

Client Sample ID: Lab Control Sample Dup  
Prep Type: Dissolved  
Prep Batch: 112788

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aluminum	2.00	1.831		mg/L		92	80 - 120	4	20
Antimony	0.100	0.09480		mg/L		95	80 - 120	1	20
Arsenic	0.0500	0.04220		mg/L		84	80 - 120	8	20
Barium	2.00	1.978		mg/L		99	80 - 120	2	20
Beryllium	0.0500	0.04910		mg/L		98	80 - 120	3	20
Cadmium	0.0500	0.05110		mg/L		102	80 - 120	2	20
Calcium	5.00	4.752		mg/L		95	80 - 120	3	20
Chromium	0.200	0.1959		mg/L		98	80 - 120	2	20
Cobalt	0.500	0.4886		mg/L		98	80 - 120	2	20
Copper	0.250	0.2344		mg/L		94	80 - 120	4	20
Iron	1.00	0.9607		mg/L		96	80 - 120	5	20
Lead	0.0500	0.05140		mg/L		103	80 - 120	2	20
Magnesium	5.00	4.877		mg/L		98	80 - 120	3	20
Manganese	0.500	0.5091		mg/L		102	80 - 120	2	20
Nickel	0.500	0.4986		mg/L		100	80 - 120	2	20
Potassium	5.00	4.753		mg/L		95	80 - 120	4	20
Selenium	0.0500	0.05050		mg/L		101	80 - 120	9	20
Silver	0.0500	0.05140		mg/L		103	80 - 120	1	20
Sodium	5.00	5.094		mg/L		102	80 - 120	4	20
Thallium	0.0500	0.04880		mg/L		98	80 - 120	14	20
Vanadium	0.500	0.4730		mg/L		95	80 - 120	2	20
Zinc	0.500	0.4952		mg/L		99	80 - 120	2	20

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 490-113311/1-A  
Matrix: Water  
Analysis Batch: 114026

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 113311

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/10/13 10:30	10/11/13 14:20	1

Lab Sample ID: LCS 490-113311/2-A  
Matrix: Water  
Analysis Batch: 114026

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 113311

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.0009827		mg/L		98	80 - 120



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 7470A - Mercury (CVAA) (Continued)

**Lab Sample ID:** LCSD 490-113311/3-A  
**Matrix:** Water  
**Analysis Batch:** 114026

**Client Sample ID:** Lab Control Sample Dup  
**Prep Type:** Total/NA  
**Prep Batch:** 113311

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.001010		mg/L		101	80 - 120	3	20

**Lab Sample ID:** 490-36935-J-1-C MS  
**Matrix:** Water  
**Analysis Batch:** 114026

**Client Sample ID:** Matrix Spike  
**Prep Type:** Total/NA  
**Prep Batch:** 113311

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.000150		0.00100	0.0009608		mg/L		96	75 - 125

**Lab Sample ID:** 490-36935-J-1-D MSD  
**Matrix:** Water  
**Analysis Batch:** 114026

**Client Sample ID:** Matrix Spike Duplicate  
**Prep Type:** Total/NA  
**Prep Batch:** 113311

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.000150		0.00100	0.0009583		mg/L		96	75 - 125	0	20

**Lab Sample ID:** MB 490-114961/1-B  
**Matrix:** Water  
**Analysis Batch:** 115367

**Client Sample ID:** Method Blank  
**Prep Type:** Dissolved  
**Prep Batch:** 114962

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/17/13 08:02	10/18/13 11:30	1

**Lab Sample ID:** LCS 490-114961/2-B  
**Matrix:** Water  
**Analysis Batch:** 115367

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Dissolved  
**Prep Batch:** 114962

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.0009604		mg/L		96	80 - 120

**Lab Sample ID:** LCSD 490-114961/3-B  
**Matrix:** Water  
**Analysis Batch:** 115367

**Client Sample ID:** Lab Control Sample Dup  
**Prep Type:** Dissolved  
**Prep Batch:** 114962

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.001028		mg/L		103	80 - 120	7	20

## Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

**Lab Sample ID:** MB 490-114049/1-A  
**Matrix:** Solid  
**Analysis Batch:** 114448

**Client Sample ID:** Method Blank  
**Prep Type:** Total/NA  
**Prep Batch:** 114049

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0303		0.101	0.0303	mg/Kg		10/14/13 07:49	10/15/13 10:09	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique) (Continued)

**Lab Sample ID: LCS 490-114049/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114448**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114049**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.1475		mg/Kg		88	80 - 120

**Lab Sample ID: 490-37157-1 MS**  
**Matrix: Soil**  
**Analysis Batch: 114448**

**Client Sample ID: TACT 29 SB-1 (0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 114049**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.0307		0.175	0.1850		mg/Kg	✱	105	80 - 120

**Lab Sample ID: 490-37157-1 MSD**  
**Matrix: Soil**  
**Analysis Batch: 114448**

**Client Sample ID: TACT 29 SB-1 (0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 114049**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.0307		0.173	0.1780		mg/Kg	✱	103	80 - 120	4	20

## Method: 7196A - Chromium, Hexavalent

**Lab Sample ID: MB 680-297435/18**  
**Matrix: Water**  
**Analysis Batch: 297435**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.00300		0.0100	0.00300	mg/L			10/08/13 14:26	1

**Lab Sample ID: LCS 680-297435/17**  
**Matrix: Water**  
**Analysis Batch: 297435**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.200	0.2050		mg/L		103	85 - 115

**Lab Sample ID: 680-94921-J-2 MS**  
**Matrix: Water**  
**Analysis Batch: 297435**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	<0.00300		0.200	0.1968		mg/L		98	85 - 115

**Lab Sample ID: 680-94921-J-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 297435**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium, hexavalent	<0.00300		0.200	0.1979		mg/L		99	85 - 115	1	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Method: 7196A - Chromium, Hexavalent (Continued)

**Lab Sample ID: MB 680-298017/1-A**  
**Matrix: Solid**  
**Analysis Batch: 298868**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 298017**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.300		1.00	0.300	mg/Kg		10/11/13 14:33	10/16/13 09:39	1

**Lab Sample ID: LCS 680-298017/2-A**  
**Matrix: Solid**  
**Analysis Batch: 298868**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 298017**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	20.0	18.37		mg/Kg		92	80 - 120

**Lab Sample ID: 490-37157-1 MS**  
**Matrix: Soil**  
**Analysis Batch: 298868**

**Client Sample ID: TACT 29 SB-1 (0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 298017**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.904	J	93.0	37.45	F	mg/Kg	☼	39	80 - 120

**Lab Sample ID: 490-37157-1 DU**  
**Matrix: Soil**  
**Analysis Batch: 298868**

**Client Sample ID: TACT 29 SB-1 (0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 298017**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	0.904	J	1.255		mg/Kg	☼	33	30

## Method: Moisture - Percent Moisture

**Lab Sample ID: 490-37157-1 DU**  
**Matrix: Soil**  
**Analysis Batch: 112684**

**Client Sample ID: TACT 29 SB-1 (0-2)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	95		93		%		2	20

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## GC/MS VOA

### Analysis Batch: 112617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	8260B	112686
LCS 490-112617/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-112617/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-112617/7	Method Blank	Total/NA	Solid	8260B	

### Prep Batch: 112685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	5035	

### Prep Batch: 112686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	5035	
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	5035	

### Analysis Batch: 112966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	8260B	112686
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	8260B	112685
LCS 490-112966/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-112966/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-112966/6	Method Blank	Total/NA	Solid	8260B	
MB 490-112966/7	Method Blank	Total/NA	Solid	8260B	

### Analysis Batch: 113980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	8260B	
490-37157-4	TRIP BLANK	Total/NA	Water	8260B	
490-37200-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-37200-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-113980/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-113980/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-113980/7	Method Blank	Total/NA	Water	8260B	

## GC/MS Semi VOA

### Prep Batch: 113112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	3550C	
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	3550C	
LCS 490-113112/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-113112/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 113488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	8270D	113112
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	8270D	113112
LCS 490-113112/2-A	Lab Control Sample	Total/NA	Solid	8270D	113112
MB 490-113112/1-A	Method Blank	Total/NA	Solid	8270D	113112

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## GC/MS Semi VOA (Continued)

### Prep Batch: 114181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	3510C	
LCS 490-114181/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-114181/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 114534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	8270D	114181
LCS 490-114181/2-A	Lab Control Sample	Total/NA	Water	8270D	114181
MB 490-114181/1-A	Method Blank	Total/NA	Water	8270D	114181

## GC Semi VOA

### Prep Batch: 113234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	3550C	
490-37157-1 MS	TACT 29 SB-1 (0-2)	Total/NA	Soil	3550C	
490-37157-1 MSD	TACT 29 SB-1 (0-2)	Total/NA	Soil	3550C	
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	3550C	
LCS 490-113234/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-113234/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 113244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	3510C	
LCS 490-113244/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 490-113244/3-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-113244/1-A	Method Blank	Total/NA	Water	3510C	

### Prep Batch: 113265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	3510C	
LCS 490-113265/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-113265/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 113407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	8082A	113265
LCS 490-113265/2-A	Lab Control Sample	Total/NA	Water	8082A	113265
MB 490-113265/1-A	Method Blank	Total/NA	Water	8082A	113265

### Analysis Batch: 113446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	8081B	113244
LCS 490-113244/2-A	Lab Control Sample	Total/NA	Water	8081B	113244
LCS 490-113244/3-A	Lab Control Sample	Total/NA	Water	8081B	113244
MB 490-113244/1-A	Method Blank	Total/NA	Water	8081B	113244

### Analysis Batch: 113657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	8082A	113234

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## GC Semi VOA (Continued)

### Analysis Batch: 113657 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1 MS	TACT 29 SB-1 (0-2)	Total/NA	Soil	8082A	113234
490-37157-1 MSD	TACT 29 SB-1 (0-2)	Total/NA	Soil	8082A	113234
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	8082A	113234
LCS 490-113234/2-A	Lab Control Sample	Total/NA	Solid	8082A	113234
MB 490-113234/1-A	Method Blank	Total/NA	Solid	8082A	113234

### Analysis Batch: 113685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	8081B	113244

### Prep Batch: 114033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	3550C	
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	3550C	
490-37157-G-2-B MS	490-37157-G-2-B MS	Total/NA	Soil	3550C	
490-37157-G-2-C MSD	490-37157-G-2-C MSD	Total/NA	Soil	3550C	
LCS 490-114033/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 490-114033/3-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-114033/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 114485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	8081B	114033
490-37157-G-2-B MS	490-37157-G-2-B MS	Total/NA	Soil	8081B	114033
490-37157-G-2-C MSD	490-37157-G-2-C MSD	Total/NA	Soil	8081B	114033
LCS 490-114033/2-A	Lab Control Sample	Total/NA	Solid	8081B	114033
LCS 490-114033/3-A	Lab Control Sample	Total/NA	Solid	8081B	114033
MB 490-114033/1-A	Method Blank	Total/NA	Solid	8081B	114033

### Analysis Batch: 114696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	8081B	114033

### Analysis Batch: 115150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	8081B	114033
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	8081B	114033

## Metals

### Filtration Batch: 112786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Dissolved	Ground Water	Filtration	
LCS 490-112786/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-112786/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-112786/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 112788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Dissolved	Ground Water	3005A	112786

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Metals (Continued)

### Prep Batch: 112788 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-112786/2-B	Lab Control Sample	Dissolved	Water	3005A	112788
LCSD 490-112786/3-B	Lab Control Sample Dup	Dissolved	Water	3005A	112788
MB 490-112786/1-B	Method Blank	Dissolved	Water	3005A	112788

### Prep Batch: 113013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	3010A	
490-37233-D-11-B MS	Matrix Spike	Total/NA	Water	3010A	
490-37233-D-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
LCS 490-113013/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 490-113013/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
MB 490-113013/1-A	Method Blank	Total/NA	Water	3010A	

### Analysis Batch: 113217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Dissolved	Ground Water	6010C	112788
LCS 490-112786/2-B	Lab Control Sample	Dissolved	Water	6010C	112788
LCSD 490-112786/3-B	Lab Control Sample Dup	Dissolved	Water	6010C	112788
MB 490-112786/1-B	Method Blank	Dissolved	Water	6010C	112788

### Prep Batch: 113240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	3051A	
490-37157-1 MS	TACT 29 SB-1 (0-2)	Total/NA	Soil	3051A	
490-37157-1 MSD	TACT 29 SB-1 (0-2)	Total/NA	Soil	3051A	
LCS 490-113240/2-A	Lab Control Sample	Total/NA	Solid	3051A	
MB 490-113240/1-A	Method Blank	Total/NA	Solid	3051A	

### Prep Batch: 113311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-36935-J-1-C MS	Matrix Spike	Total/NA	Water	7470A	
490-36935-J-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	7470A	
LCS 490-113311/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 490-113311/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 490-113311/1-A	Method Blank	Total/NA	Water	7470A	

### Analysis Batch: 113576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	6010C	113240
490-37157-1 MS	TACT 29 SB-1 (0-2)	Total/NA	Soil	6010C	113240
490-37157-1 MSD	TACT 29 SB-1 (0-2)	Total/NA	Soil	6010C	113240
LCS 490-113240/2-A	Lab Control Sample	Total/NA	Solid	6010C	113240
MB 490-113240/1-A	Method Blank	Total/NA	Solid	6010C	113240

### Analysis Batch: 113584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	6010C	113013
490-37233-D-11-B MS	Matrix Spike	Total/NA	Water	6010C	113013
490-37233-D-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010C	113013
LCS 490-113013/2-A	Lab Control Sample	Total/NA	Water	6010C	113013

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 113584 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 490-113013/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	113013
MB 490-113013/1-A	Method Blank	Total/NA	Water	6010C	113013

### Analysis Batch: 114026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-36935-J-1-C MS	Matrix Spike	Total/NA	Water	7470A	113311
490-36935-J-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	113311
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	7470A	113311
LCS 490-113311/2-A	Lab Control Sample	Total/NA	Water	7470A	113311
LCSD 490-113311/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	113311
MB 490-113311/1-A	Method Blank	Total/NA	Water	7470A	113311

### Prep Batch: 114049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	7471B	
490-37157-1 MS	TACT 29 SB-1 (0-2)	Total/NA	Soil	7471B	
490-37157-1 MSD	TACT 29 SB-1 (0-2)	Total/NA	Soil	7471B	
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	7471B	
LCS 490-114049/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 490-114049/1-A	Method Blank	Total/NA	Solid	7471B	

### Analysis Batch: 114052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	6010C	113013
490-37233-D-11-B MS	Matrix Spike	Total/NA	Water	6010C	113013
490-37233-D-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010C	113013
LCS 490-113013/2-A	Lab Control Sample	Total/NA	Water	6010C	113013

### Analysis Batch: 114448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	7471B	114049
490-37157-1 MS	TACT 29 SB-1 (0-2)	Total/NA	Soil	7471B	114049
490-37157-1 MSD	TACT 29 SB-1 (0-2)	Total/NA	Soil	7471B	114049
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	7471B	114049
LCS 490-114049/2-A	Lab Control Sample	Total/NA	Solid	7471B	114049
MB 490-114049/1-A	Method Blank	Total/NA	Solid	7471B	114049

### Filtration Batch: 114961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Dissolved	Ground Water	Filtration	
LCS 490-114961/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-114961/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-114961/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 114962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Dissolved	Ground Water	7470A	114961
LCS 490-114961/2-B	Lab Control Sample	Dissolved	Water	7470A	114961
LCSD 490-114961/3-B	Lab Control Sample Dup	Dissolved	Water	7470A	114961
MB 490-114961/1-B	Method Blank	Dissolved	Water	7470A	114961

TestAmerica Nashville



# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Metals (Continued)

### Prep Batch: 114970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	3051A	
490-37495-A-10-C MS	Matrix Spike	Total/NA	Solid	3051A	
490-37495-A-10-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3051A	
LCS 490-114970/2-A	Lab Control Sample	Total/NA	Solid	3051A	
MB 490-114970/1-A	Method Blank	Total/NA	Solid	3051A	

### Analysis Batch: 115266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	6010C	114970
490-37495-A-10-C MS	Matrix Spike	Total/NA	Solid	6010C	114970
490-37495-A-10-D MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	114970
LCS 490-114970/2-A	Lab Control Sample	Total/NA	Solid	6010C	114970
MB 490-114970/1-A	Method Blank	Total/NA	Solid	6010C	114970

### Analysis Batch: 115367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Dissolved	Ground Water	7470A	114962
LCS 490-114961/2-B	Lab Control Sample	Dissolved	Water	7470A	114962
LCSD 490-114961/3-B	Lab Control Sample Dup	Dissolved	Water	7470A	114962
MB 490-114961/1-B	Method Blank	Dissolved	Water	7470A	114962

### Analysis Batch: 115424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	6010C	114970

## General Chemistry

### Analysis Batch: 112684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	Moisture	
490-37157-1 DU	TACT 29 SB-1 (0-2)	Total/NA	Soil	Moisture	
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	Moisture	

### Analysis Batch: 297435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-3	TACT 29 TW-1 (8-12)	Total/NA	Ground Water	7196A	
680-94921-J-2 MS	Matrix Spike	Total/NA	Water	7196A	
680-94921-J-2 MSD	Matrix Spike Duplicate	Total/NA	Water	7196A	
LCS 680-297435/17	Lab Control Sample	Total/NA	Water	7196A	
MB 680-297435/18	Method Blank	Total/NA	Water	7196A	

### Prep Batch: 298017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	3060A	
490-37157-1 DU	TACT 29 SB-1 (0-2)	Total/NA	Soil	3060A	
490-37157-1 MS	TACT 29 SB-1 (0-2)	Total/NA	Soil	3060A	
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	3060A	
LCS 680-298017/2-A	Lab Control Sample	Total/NA	Solid	3060A	
MB 680-298017/1-A	Method Blank	Total/NA	Solid	3060A	

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## General Chemistry (Continued)

### Analysis Batch: 298868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37157-1	TACT 29 SB-1 (0-2)	Total/NA	Soil	7196A	298017
490-37157-1 DU	TACT 29 SB-1 (0-2)	Total/NA	Soil	7196A	298017
490-37157-1 MS	TACT 29 SB-1 (0-2)	Total/NA	Soil	7196A	298017
490-37157-2	TACT 29 SB-1 (4-8)	Total/NA	Soil	7196A	298017
LCS 680-298017/2-A	Lab Control Sample	Total/NA	Solid	7196A	298017
MB 680-298017/1-A	Method Blank	Total/NA	Solid	7196A	298017

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 SB-1 (0-2)**

**Lab Sample ID: 490-37157-1**

Date Collected: 10/07/13 15:00

Matrix: Soil

Date Received: 10/08/13 08:30

Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			112686	10/08/13 10:38	JLP	TAL NSH
Total/NA	Analysis	8260B		1	112966	10/09/13 15:32	KKK	TAL NSH
Total/NA	Prep	5035			112685	10/08/13 10:34	JLP	TAL NSH
Total/NA	Analysis	8260B		1	112966	10/09/13 16:02	KKK	TAL NSH
Total/NA	Prep	3550C			113112	10/09/13 14:10	BJB	TAL NSH
Total/NA	Analysis	8270D		1	113488	10/10/13 22:43	KJP	TAL NSH
Total/NA	Prep	3550C			113234	10/10/13 07:37	BJB	TAL NSH
Total/NA	Analysis	8082A		1	113657	10/12/13 16:00	WAM	TAL NSH
Total/NA	Prep	3550C			114033	10/14/13 06:57	LP	TAL NSH
Total/NA	Analysis	8081B		1	114485	10/15/13 14:59	WAM	TAL NSH
Total/NA	Analysis	8081B		1	115150	10/17/13 17:15	WAM	TAL NSH
Total/NA	Prep	3051A			113240	10/10/13 07:53	NLI	TAL NSH
Total/NA	Analysis	6010C		1	113576	10/10/13 17:21	DEB	TAL NSH
Total/NA	Prep	7471B			114049	10/14/13 07:49	LTB	TAL NSH
Total/NA	Analysis	7471B		1	114448	10/15/13 10:14	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	112684	10/08/13 10:33	RRS	TAL NSH
Total/NA	Prep	3060A			298017	10/11/13 14:33	JKL	TAL SAV
Total/NA	Analysis	7196A		1	298868	10/16/13 09:39	CRW	TAL SAV

**Client Sample ID: TACT 29 SB-1 (4-8)**

**Lab Sample ID: 490-37157-2**

Date Collected: 10/07/13 15:15

Matrix: Soil

Date Received: 10/08/13 08:30

Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			112686	10/08/13 10:38	JLP	TAL NSH
Total/NA	Analysis	8260B		1	112617	10/08/13 15:24	KKK	TAL NSH
Total/NA	Prep	3550C			113112	10/09/13 14:10	BJB	TAL NSH
Total/NA	Analysis	8270D		1	113488	10/10/13 23:06	KJP	TAL NSH
Total/NA	Prep	3550C			113234	10/10/13 07:37	BJB	TAL NSH
Total/NA	Analysis	8082A		1	113657	10/12/13 17:05	WAM	TAL NSH
Total/NA	Prep	3550C			114033	10/14/13 06:57	LP	TAL NSH
Total/NA	Analysis	8081B		10	114696	10/16/13 12:01	WAM	TAL NSH
Total/NA	Analysis	8081B		10	115150	10/17/13 17:02	WAM	TAL NSH
Total/NA	Prep	7471B			114049	10/14/13 07:49	LTB	TAL NSH
Total/NA	Analysis	7471B		1	114448	10/15/13 10:24	LTB	TAL NSH
Total/NA	Prep	3051A			114970	10/17/13 08:39	DBK	TAL NSH
Total/NA	Analysis	6010C		1	115266	10/17/13 19:11	DEB	TAL NSH
Total/NA	Prep	3051A			114970	10/17/13 08:39	DBK	TAL NSH
Total/NA	Analysis	6010C		5	115424	10/18/13 10:35	DEB	TAL NSH
Total/NA	Analysis	Moisture		1	112684	10/08/13 10:33	RRS	TAL NSH
Total/NA	Prep	3060A			298017	10/11/13 14:33	JKL	TAL SAV
Total/NA	Analysis	7196A		1	298868	10/16/13 09:42	CRW	TAL SAV

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

**Client Sample ID: TACT 29 TW-1 (8-12)**

**Lab Sample ID: 490-37157-3**

**Date Collected: 10/07/13 15:45**

**Matrix: Ground Water**

**Date Received: 10/08/13 08:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	113980	10/13/13 17:20	BJM	TAL NSH
Total/NA	Prep	3510C			114181	10/14/13 12:41	RCH	TAL NSH
Total/NA	Analysis	8270D		1	114534	10/15/13 20:45	KJP	TAL NSH
Total/NA	Analysis	8082A		1	113407	10/10/13 19:48	WAM	TAL NSH
Total/NA	Prep	3510C			113265	10/10/13 09:23	CLH	TAL NSH
Total/NA	Analysis	8081B		1	113446	10/10/13 15:24	WAM	TAL NSH
Total/NA	Prep	3510C			113244	10/10/13 08:04	CLH	TAL NSH
Total/NA	Analysis	8081B		1	113685	10/11/13 12:56	WAM	TAL NSH
Dissolved	Filtration	Filtration			112786	10/08/13 13:31	JBD	TAL NSH
Dissolved	Prep	3005A			112788	10/08/13 13:34	JBD	TAL NSH
Dissolved	Analysis	6010C		1	113217	10/09/13 13:20	KDJ	TAL NSH
Total/NA	Analysis	6010C		1	113584	10/10/13 20:06	DEB	TAL NSH
Total/NA	Prep	7470A			113311	10/10/13 10:30	LTB	TAL NSH
Total/NA	Analysis	7470A		1	114026	10/11/13 15:12	LTB	TAL NSH
Total/NA	Prep	3010A			113013	10/09/13 10:56	DBK	TAL NSH
Total/NA	Analysis	6010C		1	114052	10/11/13 14:56	DEB	TAL NSH
Dissolved	Filtration	Filtration			114961	10/17/13 07:59	LTB	TAL NSH
Dissolved	Prep	7470A			114962	10/17/13 08:02	LTB	TAL NSH
Dissolved	Analysis	7470A		1	115367	10/18/13 11:37	LTB	TAL NSH
Total/NA	Analysis	7196A		1	297435	10/08/13 13:44	CRW	TAL SAV

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 490-37157-4**

**Date Collected: 10/07/13 00:01**

**Matrix: Water**

**Date Received: 10/08/13 08:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	113980	10/13/13 11:16	BJM	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
8081B	Organochlorine Pesticides (GC)	SW846	TAL NSH
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NSH
6010C	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL NSH
7196A	Chromium, Hexavalent	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL NSH

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8081B	3510C	Ground Water	Chlordane (technical)
8081B	3510C	Water	Chlordane (technical)
8081B	3550C	Soil	Chlordane (technical)
8081B	3550C	Solid	Chlordane (technical)
8260B		Ground Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Ground Water	Cyclohexane
8260B		Ground Water	Methyl acetate
8260B		Ground Water	Methylcyclohexane
8260B		Solid	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Solid	Cyclohexane
8260B		Solid	Methyl acetate
8260B		Solid	Methylcyclohexane
8260B		Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Water	Cyclohexane
8260B		Water	Methyl acetate
8260B		Water	Methylcyclohexane
8260B	5035	Soil	1,1,2-Trichloro-1,2,2-trichloroethane
8260B	5035	Soil	Cyclohexane
8260B	5035	Soil	Methyl acetate
8260B	5035	Soil	Methylcyclohexane
8270D	3510C	Ground Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Ground Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Ground Water	3,3'-Dichlorobenzidine
8270D	3510C	Ground Water	Acetophenone
8270D	3510C	Ground Water	Atrazine
8270D	3510C	Ground Water	Benzaldehyde
8270D	3510C	Ground Water	Biphenyl
8270D	3510C	Ground Water	Caprolactam
8270D	3510C	Ground Water	Carbazole
8270D	3510C	Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Water	3,3'-Dichlorobenzidine
8270D	3510C	Water	Acetophenone
8270D	3510C	Water	Atrazine
8270D	3510C	Water	Benzaldehyde
8270D	3510C	Water	Biphenyl
8270D	3510C	Water	Caprolactam
8270D	3510C	Water	Carbazole
8270D	3550C	Soil	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Soil	2,3,4,6-Tetrachlorophenol
8270D	3550C	Soil	3 & 4 Methylphenol
8270D	3550C	Soil	3,3'-Dichlorobenzidine
8270D	3550C	Soil	4-Nitrophenol
8270D	3550C	Soil	Acetophenone
8270D	3550C	Soil	Atrazine
8270D	3550C	Soil	Benzaldehyde

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Soil	Biphenyl
8270D	3550C	Soil	Caprolactam
8270D	3550C	Soil	Carbazole
8270D	3550C	Solid	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Solid	2,3,4,6-Tetrachlorophenol
8270D	3550C	Solid	3 & 4 Methylphenol
8270D	3550C	Solid	3,3'-Dichlorobenzidine
8270D	3550C	Solid	4-Nitrophenol
8270D	3550C	Solid	Acetophenone
8270D	3550C	Solid	Atrazine
8270D	3550C	Solid	Benzaldehyde
8270D	3550C	Solid	Biphenyl
8270D	3550C	Solid	Caprolactam
8270D	3550C	Solid	Carbazole

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Soil	Percent Solids

## Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-15
A2LA	ISO/IEC 17025		399.01	02-28-15
Alabama	State Program	4	41450	06-30-14
Arkansas DEQ	State Program	6	88-0692	02-01-14
California	NELAP	9	3217CA	07-31-14
Colorado	State Program	8	N/A	12-31-13
Connecticut	State Program	1	PH-0161	03-31-15
Florida	NELAP	4	E87052	06-30-14
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-14
Georgia	State Program	4	803	06-30-14
Guam	State Program	9	09-005r	06-17-14
Hawaii	State Program	9	N/A	06-30-14
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-14
Iowa	State Program	7	353	07-01-15
Kentucky	State Program	4	90084	12-31-13
Kentucky (UST)	State Program	4	18	06-30-14
Louisiana	NELAP	6	30690	06-30-14
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-14
Michigan	State Program	5	9925	06-30-14

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37157-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Savannah (Continued)

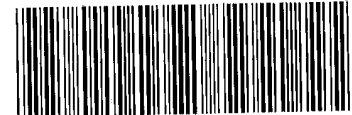
All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Mississippi	State Program	4	N/A	06-30-14
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-14
New Jersey	NELAP	2	GA769	06-30-14
New Mexico	State Program	6	N/A	06-30-14
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-14
Oklahoma	State Program	6	9984	08-31-14
Pennsylvania	NELAP	3	68-00474	06-30-14
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-14
Tennessee	State Program	4	TN02961	06-30-14
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-14
Washington	State Program	10	C1794	06-10-14
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-14
Wisconsin	State Program	5	999819810	08-31-14
Wyoming	State Program	8	8TMS-L	06-30-14

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**COOLER RECEIPT FORM**



490-37157 Chain of Custody

Cooler Received/Opened On 10/8/2013@ 0830

1. Tracking # 6815 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: Two front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO..NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES..NO..NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) mbm

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES..NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) mbm

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) mbm

I certify that I attached a label with the unique LIMS number to each container (initial) mbm

21. Were there Non-Conformance issues at login? YES..NO Was a NCM generated? YES..NO..# \_\_\_\_\_

#10) Time 29 - TV-1 - one vial B.I.S. mbm



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-37157-1

SDG Number: 1131-08-554

**Login Number: 37157**

**List Number: 1**

**Creator: McBride, Mike**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-37157-1

SDG Number: 1131-08-554

**Login Number: 37157**

**List Number: 1**

**Creator: Boyuk, Brian J**

**List Source: TestAmerica Savannah**

**List Creation: 10/08/13 01:44 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

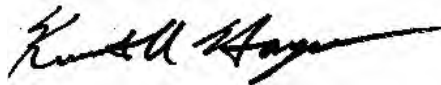
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204  
Tel: (615)726-0177

TestAmerica Job ID: 490-37637-1  
TestAmerica Sample Delivery Group: 1131-08-554  
Client Project/Site: Port Access Road

For:  
S&ME, Inc.  
620 Wando Park Boulevard  
Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline



Authorized for release by:  
10/28/2013 1:20:33 PM

Ken Hayes, Project Manager I  
(615)301-5035  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
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Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-37637-1	Tract 6 SB1-(0-2)	Soil	10/10/13 10:35	10/12/13 08:03
490-37637-2	Tract 6 SB1-(10-14)	Soil	10/10/13 10:45	10/12/13 08:03
490-37637-3	Tract 6 TW1 (8-12)	Water	10/10/13 11:00	10/12/13 08:03
490-37637-4	Tract 6 SB2 (0-2)	Soil	10/10/13 13:50	10/12/13 08:03
490-37637-5	Tract 6 SB2 (10-14)	Soil	10/10/13 14:00	10/12/13 08:03
490-37637-6	Tract 6 TW2 54-58	Water	10/10/13 14:15	10/12/13 08:03
490-37637-7	Trip Blank	Water	10/10/13 00:01	10/12/13 08:03
490-37637-8	Trip Blank	Water	10/10/13 00:01	10/12/13 08:15



# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Job ID: 490-37637-1**

**Laboratory: TestAmerica Nashville**

## Narrative

### Job Narrative 490-37637-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 10/12/2013 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.1° C, 1.2° C and 2.5° C.

#### GC/MS VOA

Method(s) 8260B: The method blank for batches 114468 and 114976 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114976. See lcs/lcsd

No other analytical or quality issues were noted.

#### GC/MS Semi VOA

Method(s) 8270D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114792.

Method(s) 8270D: The method blank for batch 114675 contained Bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8270D: Surrogate recovery for the following sample(s) was outside control limits: Tract 6 TW2 54-58 (490-37637-6). Re-extraction and/or re-analysis was performed with concurring non-detect (ND) target results. The original analysis has been reported.

Method(s) 8270D: The laboratory control sample (LCS) for batch 115514 recovered outside control limits for the following analyte: Benzaldehyde. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: Reanalysis of the following sample(s) was performed outside of the analytical holding time: Tract 6 TW2 54-58 (490-37637-6).

Method(s) 8270D: Surrogate recovery for the following sample(s) was outside the upper control limit: Tract 6 TW2 54-58 (490-37637-6). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

#### GC Semi VOA

Method(s) 8081B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 114328 was outside control limits.

Method(s) 8081B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114718.

Method(s) 8081B: The following samples were diluted due to the nature of their sample matrix: Tract 6 TW1 (8-12) (490-37637-3), Tract 6 SB2 (0-2) (490-37637-4), Tract 6 TW2 54-58 (490-37637-6). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114715.

No other analytical or quality issues were noted.



# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Job ID: 490-37637-1 (Continued)

### Laboratory: TestAmerica Nashville (Continued)

#### Metals

Method(s) 6010C: The following sample(s) was diluted due to the abundance of Ca: 490-37637-f-6-a Tract 6 TW2 54-58 (490-37637-6). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The method blank for batch 490-114861 contained As, Fe, and K above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010B, 6010C: The serial dilution performed for the following sample(s) associated with batch 490-114861 was outside control limits for Ca and Mg: 490-37638-e-13-a (490-37638-13 SD)

Method(s) 6010C: The method blank for batch 115480 contained Fe, K, Na above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010B, 6010C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 115480 were outside control limits for Manganese. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 115480 was outside control limits for Al, K. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

Method(s) 6010C: The following sample(s) was diluted due to the abundance of Fe: 490-37637-d-2-a Tract 6 SB1-(10-14) (490-37637-2). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The post digestion spike % recovery for Ca associated with batch 490-115747 was outside of control limits.

Method(s) 6010C: The matrix spike(MS) recoveries for batch 490-115747 were outside control limits for Mg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010C: The method blank for batch 490-115747 contained K< Mn, and Na above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 7471B: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 116388 were outside control limits. This is attributed to non-homogeneity of the sample matrix.

No other analytical or quality issues were noted.

#### Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batches 114715, 114718, 114792 and 115514.

Method(s) 3510C: The following sample(s) formed emulsions during the extraction procedure: Tract 6 TW2 54-58 (490-37637-6). The emulsions were broken up using centrifugation.

No other analytical or quality issues were noted.

#### VOA Prep

No analytical or quality issues were noted.

# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.

### GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits
E	Result exceeded calibration range.

### GC Semi VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
B	Compound was found in the blank and sample.
F	MS/MSD Recovery and/or RPD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(0-2)**

**Lab Sample ID: 490-37637-1**

**Date Collected: 10/10/13 10:35**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 85.3**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.111</b>		0.0514	0.0411	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Benzene	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Bromochloromethane	<0.000566		0.00206	0.000566	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Bromodichloromethane	<0.000566		0.00206	0.000566	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Bromoform	<0.000566		0.00206	0.000566	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Bromomethane	<0.00123		0.00206	0.00123	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
<b>2-Butanone (MEK)</b>	<b>0.0232</b>	<b>J</b>	0.0514	0.00524	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Carbon disulfide	<0.00370		0.00514	0.00370	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Carbon tetrachloride	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Chlorobenzene	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Chlorodibromomethane	<0.000350		0.00206	0.000350	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Chloroethane	<0.00195		0.00514	0.00195	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Chloroform	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Chloromethane	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
cis-1,2-Dichloroethene	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
cis-1,3-Dichloropropene	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Cyclohexane	<0.00339		0.0103	0.00339	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,2-Dibromo-3-Chloropropane	<0.000720		0.00514	0.000720	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,2-Dibromoethane (EDB)	<0.00103		0.00206	0.00103	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,2-Dichlorobenzene	<0.000350		0.00206	0.000350	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,3-Dichlorobenzene	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,4-Dichlorobenzene	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Dichlorodifluoromethane	<0.00103		0.00206	0.00103	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,1-Dichloroethane	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,2-Dichloroethane	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,1-Dichloroethene	<0.000586		0.00206	0.000586	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,2-Dichloropropane	<0.000967		0.00206	0.000967	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
<b>Ethylbenzene</b>	<b>0.000776</b>	<b>J</b>	0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
2-Hexanone	<0.0172		0.0514	0.0172	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Isopropylbenzene	<0.000422		0.00206	0.000422	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Methyl acetate	<0.00247		0.0103	0.00247	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Methylcyclohexane	<0.00339		0.0103	0.00339	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
<b>Methylene Chloride</b>	<b>0.00246</b>	<b>J B</b>	0.0103	0.000884	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
4-Methyl-2-pentanone (MIBK)	<0.0175		0.0514	0.0175	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Methyl tert-butyl ether	<0.000987		0.00206	0.000987	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Styrene	<0.00113		0.00206	0.00113	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,1,2,2-Tetrachloroethane	<0.00103		0.00206	0.00103	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Tetrachloroethene	<0.000751		0.00206	0.000751	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
<b>Toluene</b>	<b>0.00120</b>	<b>J</b>	0.00206	0.000761	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
trans-1,2-Dichloroethene	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
trans-1,3-Dichloropropene	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,2,3-Trichlorobenzene	<0.000391		0.00206	0.000391	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,2,4-Trichlorobenzene	<0.000689		0.00206	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,1,1-Trichloroethane	<0.000946		0.00206	0.000946	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,1,2-Trichloroethane	<0.00144		0.00514	0.00144	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Trichloroethene	<0.000987		0.00206	0.000987	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Trichlorofluoromethane	<0.00103		0.00206	0.00103	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000812		0.00206	0.000812	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
Vinyl chloride	<0.00113		0.00206	0.00113	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(0-2)**

**Lab Sample ID: 490-37637-1**

Date Collected: 10/10/13 10:35

Matrix: Soil

Date Received: 10/12/13 08:03

Percent Solids: 85.3

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Xylenes, Total</b>	<b>0.00319</b>		0.00308	0.000689	mg/Kg	☼	10/12/13 14:16	10/17/13 19:29	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	113		70 - 130				10/12/13 14:16	10/17/13 19:29	1
Dibromofluoromethane (Surr)	107		70 - 130				10/12/13 14:16	10/17/13 19:29	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130				10/12/13 14:16	10/17/13 19:29	1
Toluene-d8 (Surr)	90		70 - 130				10/12/13 14:16	10/17/13 19:29	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00993		0.0666	0.00993	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Acenaphthylene</b>	<b>0.0509</b>	<b>J</b>	0.0666	0.00894	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Acetophenone	<0.0695		0.331	0.0695	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Anthracene</b>	<b>0.0669</b>		0.0666	0.00894	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Atrazine	<0.166		0.331	0.166	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Benzaldehyde	<0.284		1.66	0.284	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Benzo[a]anthracene</b>	<b>0.318</b>		0.0666	0.0149	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Benzo[a]pyrene</b>	<b>0.238</b>		0.0666	0.0119	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Benzo[b]fluoranthene</b>	<b>0.554</b>		0.0666	0.0119	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Benzo[g,h,i]perylene</b>	<b>0.185</b>		0.0666	0.00894	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Benzo[k]fluoranthene</b>	<b>0.179</b>		0.0666	0.0139	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Biphenyl	<0.103		0.331	0.103	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Bis(2-chloroethoxy)methane	<0.0119		0.331	0.0119	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Bis(2-chloroethyl)ether	<0.0199		0.331	0.0199	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
bis (2-chloroisopropyl) ether	<0.133		0.331	0.133	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.125</b>	<b>J B</b>	0.331	0.0129	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
4-Bromophenyl phenyl ether	<0.0169		0.331	0.0169	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Butyl benzyl phthalate	<0.0159		0.331	0.0159	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Caprolactam	<0.107		0.331	0.107	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Carbazole</b>	<b>0.0343</b>	<b>J</b>	0.331	0.00695	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
4-Chloroaniline	<0.165		0.331	0.165	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
4-Chloro-3-methylphenol	<0.0159		0.331	0.0159	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2-Chloronaphthalene	<0.0169		0.331	0.0169	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2-Chlorophenol	<0.0149		0.331	0.0149	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
4-Chlorophenyl phenyl ether	<0.0238		0.331	0.0238	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Chrysene</b>	<b>0.583</b>		0.0666	0.00894	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Dibenz(a,h)anthracene</b>	<b>0.0407</b>	<b>J</b>	0.0666	0.00695	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Dibenzofuran	<0.0129		0.331	0.0129	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
3,3'-Dichlorobenzidine	<0.132		0.663	0.132	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2,4-Dichlorophenol	<0.0169		0.331	0.0169	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Diethyl phthalate	<0.0139		0.331	0.0139	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2,4-Dimethylphenol	<0.191		0.331	0.191	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Dimethyl phthalate	<0.00795		1.66	0.00795	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Di-n-butyl phthalate	<0.0129		0.331	0.0129	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
4,6-Dinitro-2-methylphenol	<0.102		0.331	0.102	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2,4-Dinitrophenol	<0.109		0.331	0.109	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2,4-Dinitrotoluene	<0.00894		0.331	0.00894	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2,6-Dinitrotoluene	<0.0308		0.331	0.0308	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Di-n-octyl phthalate	<0.0129		0.331	0.0129	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Fluoranthene</b>	<b>0.720</b>		0.0666	0.00894	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(0-2)**

**Lab Sample ID: 490-37637-1**

Date Collected: 10/10/13 10:35

Matrix: Soil

Date Received: 10/12/13 08:03

Percent Solids: 85.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0119		0.0666	0.0119	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Hexachlorobenzene	<0.0288		0.331	0.0288	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Hexachlorobutadiene	<0.0695		0.331	0.0695	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Hexachlorocyclopentadiene	<0.0159		0.331	0.0159	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Hexachloroethane	<0.0199		0.331	0.0199	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.146</b>		0.0666	0.00993	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Isophorone	<0.0586		0.331	0.0586	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2-Methylnaphthalene	<0.0159		0.0666	0.0159	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2-Methylphenol	<0.0924		0.331	0.0924	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
3 & 4 Methylphenol	<0.0199		0.331	0.0199	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Naphthalene	<0.00894		0.0666	0.00894	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2-Nitroaniline	<0.0179		0.827	0.0179	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
3-Nitroaniline	<0.147		0.827	0.147	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
4-Nitroaniline	<0.0298		0.827	0.0298	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Nitrobenzene	<0.0169		0.331	0.0169	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2-Nitrophenol	<0.0129		0.331	0.0129	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
4-Nitrophenol	<0.0149		0.331	0.0149	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
N-Nitrosodi-n-propylamine	<0.0209		0.331	0.0209	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0159		0.331	0.0159	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Pentachlorophenol	<0.124		0.827	0.124	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Phenanthrene</b>	<b>0.126</b>		0.0666	0.00894	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Phenol	<0.0139		0.331	0.0139	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
<b>Pyrene</b>	<b>0.642</b>		0.0666	0.0119	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
1,2,4,5-Tetrachlorobenzene	<0.256		1.66	0.256	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2,3,4,6-Tetrachlorophenol	<0.168		0.331	0.168	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2,4,5-Trichlorophenol	<0.0169		0.827	0.0169	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
2,4,6-Trichlorophenol	<0.0248		0.331	0.0248	mg/Kg	☼	10/16/13 08:57	10/17/13 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	37		29 - 120				10/16/13 08:57	10/17/13 23:33	1
2-Fluorophenol (Surr)	42		10 - 120				10/16/13 08:57	10/17/13 23:33	1
Nitrobenzene-d5 (Surr)	44		27 - 120				10/16/13 08:57	10/17/13 23:33	1
Phenol-d5 (Surr)	48		10 - 120				10/16/13 08:57	10/17/13 23:33	1
Terphenyl-d14 (Surr)	51		13 - 120				10/16/13 08:57	10/17/13 23:33	1
2,4,6-Tribromophenol (Surr)	52		10 - 120				10/16/13 08:57	10/17/13 23:33	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000360		0.00197	0.000360	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
alpha-BHC	<0.000232		0.00197	0.000232	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
beta-BHC	<0.00232		0.00383	0.00232	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
delta-BHC	<0.000441		0.00197	0.000441	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
gamma-BHC (Lindane)	<0.000453		0.00197	0.000453	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
alpha-Chlordane	<0.000499		0.00197	0.000499	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
gamma-Chlordane	<0.000917		0.00197	0.000917	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
Chlordane (technical)	<0.0421		0.0774	0.0421	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
4,4'-DDD	<0.000499		0.00197	0.000499	mg/Kg	☼	10/15/13 08:42	10/18/13 19:53	1
4,4'-DDE	<0.000580		0.00197	0.000580	mg/Kg	☼	10/15/13 08:42	10/18/13 19:53	1
4,4'-DDT	<0.000986		0.00197	0.000986	mg/Kg	☼	10/15/13 08:42	10/18/13 19:53	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(0-2)**

**Lab Sample ID: 490-37637-1**

Date Collected: 10/10/13 10:35

Matrix: Soil

Date Received: 10/12/13 08:03

Percent Solids: 85.3

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000464		0.00197	0.000464	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
Endosulfan I	<0.000545		0.00197	0.000545	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
Endosulfan II	<0.000638		0.00197	0.000638	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
Endosulfan sulfate	<0.000580		0.00197	0.000580	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
Endrin	<0.000499		0.00197	0.000499	mg/Kg	☼	10/15/13 08:42	10/22/13 17:06	1
Endrin aldehyde	<0.000592		0.00197	0.000592	mg/Kg	☼	10/15/13 08:42	10/22/13 17:06	1
Endrin ketone	<0.000685		0.00197	0.000685	mg/Kg	☼	10/15/13 08:42	10/22/13 17:06	1
Heptachlor	<0.000487		0.00197	0.000487	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
Heptachlor epoxide	<0.000754		0.00197	0.000754	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1
Methoxychlor	<0.000569		0.00383	0.000569	mg/Kg	☼	10/15/13 08:42	10/18/13 19:53	1
Toxaphene	<0.0490		0.0774	0.0490	mg/Kg	☼	10/15/13 08:42	10/16/13 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		21 - 145	10/15/13 08:42	10/16/13 15:17	1
DCB Decachlorobiphenyl (Surr)	90		25 - 150	10/15/13 08:42	10/16/13 15:17	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0117		0.0388	0.0117	mg/Kg	☼	10/15/13 12:56	10/16/13 17:28	1
PCB-1221	<0.0117		0.0388	0.0117	mg/Kg	☼	10/15/13 12:56	10/16/13 17:28	1
PCB-1232	<0.0233		0.0388	0.0233	mg/Kg	☼	10/15/13 12:56	10/16/13 17:28	1
PCB-1242	<0.0117		0.0388	0.0117	mg/Kg	☼	10/15/13 12:56	10/16/13 17:28	1
PCB-1248	<0.0117		0.0388	0.0117	mg/Kg	☼	10/15/13 12:56	10/16/13 17:28	1
PCB-1254	<0.0117		0.0388	0.0117	mg/Kg	☼	10/15/13 12:56	10/16/13 17:28	1
PCB-1260	<0.0117		0.0388	0.0117	mg/Kg	☼	10/15/13 12:56	10/16/13 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	75		20 - 150	10/15/13 12:56	10/16/13 17:28	1
Tetrachloro-m-xylene	101		19 - 147	10/15/13 12:56	10/16/13 17:28	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6960		23.1	18.5	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Antimony	<1.62		11.6	1.62	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Arsenic	5.30		2.31	1.10	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Barium	71.6		2.31	0.231	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Beryllium	0.301	J	1.16	0.116	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Cadmium	0.162	J	1.16	0.116	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Calcium	41200		231	50.9	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Chromium	20.7		1.16	0.347	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Cobalt	0.833	J	2.31	0.347	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Copper	13.0		2.31	1.97	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Iron	6090	B *	23.1	1.73	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Lead	253		1.16	0.810	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Magnesium	1040		231	15.0	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Manganese	64.0		3.47	0.382	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Nickel	3.42		2.31	0.347	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Potassium	314	B	231	23.1	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Selenium	<1.73		2.31	1.73	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Silver	<0.347		1.16	0.347	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(0-2)**

**Lab Sample ID: 490-37637-1**

Date Collected: 10/10/13 10:35

Matrix: Soil

Date Received: 10/12/13 08:03

Percent Solids: 85.3

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	104	J B	231	23.1	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Thallium	<1.39		2.31	1.39	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Vanadium	12.7		11.6	3.59	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1
Zinc	72.6		11.6	1.16	mg/Kg	☼	10/18/13 15:23	10/21/13 19:29	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.202		0.114	0.0341	mg/Kg	☼	10/23/13 11:35	10/25/13 08:27	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	85		0.10	0.10	%			10/14/13 10:23	1



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(10-14)**

**Lab Sample ID: 490-37637-2**

**Date Collected: 10/10/13 10:45**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 73.4**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0515		0.0643	0.0515	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Benzene	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Bromochloromethane	<0.000708		0.00257	0.000708	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Bromodichloromethane	<0.000708		0.00257	0.000708	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Bromoform	<0.000708		0.00257	0.000708	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Bromomethane	<0.00154		0.00257	0.00154	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
2-Butanone (MEK)	<0.00656		0.0643	0.00656	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Carbon disulfide	<0.00463		0.00643	0.00463	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Carbon tetrachloride	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Chlorobenzene	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Chlorodibromomethane	<0.000438		0.00257	0.000438	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Chloroethane	<0.00244		0.00643	0.00244	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Chloroform	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Chloromethane	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
cis-1,2-Dichloroethene	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
cis-1,3-Dichloropropene	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Cyclohexane	<0.00425		0.0129	0.00425	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,2-Dibromo-3-Chloropropane	<0.000901		0.00643	0.000901	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,2-Dibromoethane (EDB)	<0.00129		0.00257	0.00129	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,2-Dichlorobenzene	<0.000438		0.00257	0.000438	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,3-Dichlorobenzene	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,4-Dichlorobenzene	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Dichlorodifluoromethane	<0.00129		0.00257	0.00129	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,1-Dichloroethane	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,2-Dichloroethane	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,1-Dichloroethene	<0.000733		0.00257	0.000733	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,2-Dichloropropane	<0.00121		0.00257	0.00121	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Ethylbenzene	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
2-Hexanone	<0.0215		0.0643	0.0215	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Isopropylbenzene	<0.000528		0.00257	0.000528	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Methyl acetate	<0.00309		0.0129	0.00309	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Methylcyclohexane	<0.00425		0.0129	0.00425	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Methylene Chloride	<0.00111		0.0129	0.00111	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
4-Methyl-2-pentanone (MIBK)	<0.0219		0.0643	0.0219	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Methyl tert-butyl ether	<0.00124		0.00257	0.00124	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Styrene	<0.00142		0.00257	0.00142	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,1,2,2-Tetrachloroethane	<0.00129		0.00257	0.00129	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Tetrachloroethene	<0.000939		0.00257	0.000939	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Toluene	<0.000952		0.00257	0.000952	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
trans-1,2-Dichloroethene	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
trans-1,3-Dichloropropene	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,2,3-Trichlorobenzene	<0.000489		0.00257	0.000489	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,2,4-Trichlorobenzene	<0.000862		0.00257	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,1,1-Trichloroethane	<0.00118		0.00257	0.00118	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,1,2-Trichloroethane	<0.00180		0.00643	0.00180	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Trichloroethene	<0.00124		0.00257	0.00124	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Trichlorofluoromethane	<0.00129		0.00257	0.00129	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.00102		0.00257	0.00102	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
Vinyl chloride	<0.00142		0.00257	0.00142	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(10-14)**

**Lab Sample ID: 490-37637-2**

**Date Collected: 10/10/13 10:45**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 73.4**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Xylenes, Total</b>	<b>0.00111</b>	<b>J</b>	0.00386	0.000862	mg/Kg	☼	10/12/13 14:16	10/17/13 19:59	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	107		70 - 130				10/12/13 14:16	10/17/13 19:59	1
Dibromofluoromethane (Surr)	104		70 - 130				10/12/13 14:16	10/17/13 19:59	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 130				10/12/13 14:16	10/17/13 19:59	1
Toluene-d8 (Surr)	93		70 - 130				10/12/13 14:16	10/17/13 19:59	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00983		0.0659	0.00983	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Acenaphthylene	<0.00885		0.0659	0.00885	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Acetophenone	<0.0688		0.327	0.0688	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Anthracene	<0.00885		0.0659	0.00885	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Atrazine	<0.164		0.327	0.164	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Benzaldehyde	<0.281		1.64	0.281	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Benzo[a]anthracene	<0.0147		0.0659	0.0147	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Benzo[a]pyrene	<0.0118		0.0659	0.0118	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Benzo[b]fluoranthene	<0.0118		0.0659	0.0118	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Benzo[g,h,i]perylene	<0.00885		0.0659	0.00885	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Benzo[k]fluoranthene	<0.0138		0.0659	0.0138	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Biphenyl	<0.102		0.327	0.102	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Bis(2-chloroethoxy)methane	<0.0118		0.327	0.0118	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Bis(2-chloroethyl)ether	<0.0197		0.327	0.0197	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
bis (2-chloroisopropyl) ether	<0.132		0.327	0.132	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Bis(2-ethylhexyl) phthalate	<0.0128		0.327	0.0128	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
4-Bromophenyl phenyl ether	<0.0167		0.327	0.0167	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Butyl benzyl phthalate	<0.0157		0.327	0.0157	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Caprolactam	<0.106		0.327	0.106	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Carbazole	<0.00688		0.327	0.00688	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
4-Chloroaniline	<0.163		0.327	0.163	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
4-Chloro-3-methylphenol	<0.0157		0.327	0.0157	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2-Chloronaphthalene	<0.0167		0.327	0.0167	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2-Chlorophenol	<0.0147		0.327	0.0147	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
4-Chlorophenyl phenyl ether	<0.0236		0.327	0.0236	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Chrysene	<0.00885		0.0659	0.00885	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Dibenz(a,h)anthracene	<0.00688		0.0659	0.00688	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Dibenzofuran	<0.0128		0.327	0.0128	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
3,3'-Dichlorobenzidine	<0.131		0.656	0.131	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2,4-Dichlorophenol	<0.0167		0.327	0.0167	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Diethyl phthalate	<0.0138		0.327	0.0138	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2,4-Dimethylphenol	<0.189		0.327	0.189	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Dimethyl phthalate	<0.00786		1.64	0.00786	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Di-n-butyl phthalate	<0.0128		0.327	0.0128	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
4,6-Dinitro-2-methylphenol	<0.101		0.327	0.101	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2,4-Dinitrophenol	<0.108		0.327	0.108	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2,4-Dinitrotoluene	<0.00885		0.327	0.00885	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2,6-Dinitrotoluene	<0.0305		0.327	0.0305	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Di-n-octyl phthalate	<0.0128		0.327	0.0128	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Fluoranthene	<0.00885		0.0659	0.00885	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(10-14)**

**Lab Sample ID: 490-37637-2**

**Date Collected: 10/10/13 10:45**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 73.4**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0118		0.0659	0.0118	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Hexachlorobenzene	<0.0285		0.327	0.0285	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Hexachlorobutadiene	<0.0688		0.327	0.0688	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Hexachlorocyclopentadiene	<0.0157		0.327	0.0157	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Hexachloroethane	<0.0197		0.327	0.0197	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Indeno[1,2,3-cd]pyrene	<0.00983		0.0659	0.00983	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Isophorone	<0.0580		0.327	0.0580	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2-Methylnaphthalene	<0.0157		0.0659	0.0157	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2-Methylphenol	<0.0914		0.327	0.0914	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
3 & 4 Methylphenol	<0.0197		0.327	0.0197	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Naphthalene	<0.00885		0.0659	0.00885	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2-Nitroaniline	<0.0177		0.819	0.0177	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
3-Nitroaniline	<0.145		0.819	0.145	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
4-Nitroaniline	<0.0295		0.819	0.0295	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Nitrobenzene	<0.0167		0.327	0.0167	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2-Nitrophenol	<0.0128		0.327	0.0128	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
4-Nitrophenol	<0.0147		0.327	0.0147	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
N-Nitrosodi-n-propylamine	<0.0206		0.327	0.0206	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0157		0.327	0.0157	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Pentachlorophenol	<0.123		0.819	0.123	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Phenanthrene	<0.00885		0.0659	0.00885	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Phenol	<0.0138		0.327	0.0138	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Pyrene	<0.0118		0.0659	0.0118	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
1,2,4,5-Tetrachlorobenzene	<0.254		1.64	0.254	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2,3,4,6-Tetrachlorophenol	<0.166		0.327	0.166	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2,4,5-Trichlorophenol	<0.0167		0.819	0.0167	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
2,4,6-Trichlorophenol	<0.0246		0.327	0.0246	mg/Kg	☼	10/16/13 08:57	10/17/13 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	34		29 - 120				10/16/13 08:57	10/17/13 23:55	1
2-Fluorophenol (Surr)	42		10 - 120				10/16/13 08:57	10/17/13 23:55	1
Nitrobenzene-d5 (Surr)	42		27 - 120				10/16/13 08:57	10/17/13 23:55	1
Phenol-d5 (Surr)	53		10 - 120				10/16/13 08:57	10/17/13 23:55	1
Terphenyl-d14 (Surr)	72		13 - 120				10/16/13 08:57	10/17/13 23:55	1
2,4,6-Tribromophenol (Surr)	60		10 - 120				10/16/13 08:57	10/17/13 23:55	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000421		0.00231	0.000421	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
alpha-BHC	<0.000271		0.00231	0.000271	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
beta-BHC	<0.00271		0.00448	0.00271	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
delta-BHC	<0.000516		0.00231	0.000516	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
gamma-BHC (Lindane)	<0.000529		0.00231	0.000529	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
alpha-Chlordane	<0.000584		0.00231	0.000584	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
gamma-Chlordane	<0.00107		0.00231	0.00107	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
Chlordane (technical)	<0.0493		0.0905	0.0493	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
4,4'-DDD	<0.000584		0.00231	0.000584	mg/Kg	☼	10/15/13 08:42	10/18/13 20:05	1
4,4'-DDE	<0.000679		0.00231	0.000679	mg/Kg	☼	10/15/13 08:42	10/18/13 20:05	1
4,4'-DDT	<0.00115		0.00231	0.00115	mg/Kg	☼	10/15/13 08:42	10/18/13 20:05	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(10-14)**

**Lab Sample ID: 490-37637-2**

**Date Collected: 10/10/13 10:45**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 73.4**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000543		0.00231	0.000543	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
Endosulfan I	<0.000638		0.00231	0.000638	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
Endosulfan II	<0.000746		0.00231	0.000746	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
Endosulfan sulfate	<0.000679		0.00231	0.000679	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
Endrin	<0.000584		0.00231	0.000584	mg/Kg	☼	10/15/13 08:42	10/22/13 17:18	1
Endrin aldehyde	<0.000692		0.00231	0.000692	mg/Kg	☼	10/15/13 08:42	10/22/13 17:18	1
Endrin ketone	<0.000801		0.00231	0.000801	mg/Kg	☼	10/15/13 08:42	10/22/13 17:18	1
Heptachlor	<0.000570		0.00231	0.000570	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
Heptachlor epoxide	<0.000882		0.00231	0.000882	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1
Methoxychlor	<0.000665		0.00448	0.000665	mg/Kg	☼	10/15/13 08:42	10/18/13 20:05	1
Toxaphene	<0.0573		0.0905	0.0573	mg/Kg	☼	10/15/13 08:42	10/16/13 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	71		21 - 145	10/15/13 08:42	10/16/13 15:53	1
DCB Decachlorobiphenyl (Surr)	74		25 - 150	10/15/13 08:42	10/16/13 15:53	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0132		0.0441	0.0132	mg/Kg	☼	10/15/13 12:56	10/16/13 17:50	1
PCB-1221	<0.0132		0.0441	0.0132	mg/Kg	☼	10/15/13 12:56	10/16/13 17:50	1
PCB-1232	<0.0265		0.0441	0.0265	mg/Kg	☼	10/15/13 12:56	10/16/13 17:50	1
PCB-1242	<0.0132		0.0441	0.0132	mg/Kg	☼	10/15/13 12:56	10/16/13 17:50	1
PCB-1248	<0.0132		0.0441	0.0132	mg/Kg	☼	10/15/13 12:56	10/16/13 17:50	1
PCB-1254	<0.0132		0.0441	0.0132	mg/Kg	☼	10/15/13 12:56	10/16/13 17:50	1
PCB-1260	<0.0132		0.0441	0.0132	mg/Kg	☼	10/15/13 12:56	10/16/13 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	66		20 - 150	10/15/13 12:56	10/16/13 17:50	1
Tetrachloro-m-xylene	85		19 - 147	10/15/13 12:56	10/16/13 17:50	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>14300</b>		267	214	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
Antimony	<18.7		134	18.7	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
<b>Arsenic</b>	<b>78.0</b>		26.7	12.7	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
<b>Barium</b>	<b>65.5</b>		26.7	2.67	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
<b>Beryllium</b>	<b>2.14 J</b>		13.4	1.34	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
Cadmium	<1.34		13.4	1.34	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
<b>Calcium</b>	<b>11900</b>		2670	588	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
<b>Chromium</b>	<b>27.5</b>		13.4	4.01	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
Cobalt	<4.01		26.7	4.01	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
Copper	<22.7		26.7	22.7	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
<b>Iron</b>	<b>70500</b>		267	20.0	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
<b>Lead</b>	<b>15.8</b>		13.4	9.35	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
<b>Magnesium</b>	<b>2760</b>		2670	174	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
<b>Manganese</b>	<b>74.8 B</b>		40.1	4.41	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
<b>Nickel</b>	<b>5.34 J</b>		26.7	4.01	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
<b>Potassium</b>	<b>1470 J B</b>		2670	267	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
Selenium	<20.0		26.7	20.0	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
Silver	<4.01		13.4	4.01	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(10-14)**

**Lab Sample ID: 490-37637-2**

Date Collected: 10/10/13 10:45

Matrix: Soil

Date Received: 10/12/13 08:03

Percent Solids: 73.4

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	665	J B	2670	267	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
Thallium	<16.0		26.7	16.0	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
Vanadium	51.6	J	134	41.4	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10
Zinc	22.4	J	134	13.4	mg/Kg	☼	10/21/13 09:27	10/22/13 15:46	10

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.240		0.132	0.0397	mg/Kg	☼	10/23/13 11:35	10/25/13 08:33	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	73		0.10	0.10	%			10/14/13 10:23	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 TW1 (8-12)**

**Lab Sample ID: 490-37637-3**

**Date Collected: 10/10/13 11:00**

**Matrix: Water**

**Date Received: 10/12/13 08:03**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/15/13 21:15	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 21:15	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 21:15	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 21:15	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 21:15	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 21:15	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 21:15	1
<b>Carbon disulfide</b>	<b>0.696</b>	<b>J</b>	1.00	0.220	ug/L			10/15/13 21:15	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 21:15	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 21:15	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 21:15	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 21:15	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 21:15	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 21:15	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 21:15	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 21:15	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 21:15	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 21:15	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 21:15	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 21:15	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 21:15	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 21:15	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 21:15	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 21:15	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 21:15	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 21:15	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 21:15	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 21:15	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 21:15	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 21:15	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 21:15	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 21:15	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/15/13 21:15	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 21:15	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 21:15	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 21:15	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 21:15	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 21:15	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 21:15	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 21:15	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 21:15	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 21:15	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 21:15	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 21:15	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 21:15	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 21:15	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 21:15	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 21:15	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 21:15	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 TW1 (8-12)**

**Lab Sample ID: 490-37637-3**

**Date Collected: 10/10/13 11:00**

**Matrix: Water**

**Date Received: 10/12/13 08:03**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 21:15	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	98		70 - 130					10/15/13 21:15	1
Dibromofluoromethane (Surr)	108		70 - 130					10/15/13 21:15	1
1,2-Dichloroethane-d4 (Surr)	114		70 - 130					10/15/13 21:15	1
Toluene-d8 (Surr)	105		70 - 130					10/15/13 21:15	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.349		1.90	0.349	ug/L		10/16/13 12:23	10/17/13 19:43	1
Acenaphthylene	<0.314		1.90	0.314	ug/L		10/16/13 12:23	10/17/13 19:43	1
Acetophenone	<1.81		9.52	1.81	ug/L		10/16/13 12:23	10/17/13 19:43	1
Anthracene	<0.841		1.90	0.841	ug/L		10/16/13 12:23	10/17/13 19:43	1
Atrazine	<3.52 *		9.52	3.52	ug/L		10/16/13 12:23	10/17/13 19:43	1
Benzaldehyde	<2.05		9.52	2.05	ug/L		10/16/13 12:23	10/17/13 19:43	1
Benzo[a]anthracene	<0.309		1.90	0.309	ug/L		10/16/13 12:23	10/17/13 19:43	1
Benzo[a]pyrene	<0.314		1.90	0.314	ug/L		10/16/13 12:23	10/17/13 19:43	1
Benzo[b]fluoranthene	<0.402		1.90	0.402	ug/L		10/16/13 12:23	10/17/13 19:43	1
Benzo[g,h,i]perylene	<0.273		1.90	0.273	ug/L		10/16/13 12:23	10/17/13 19:43	1
Benzo[k]fluoranthene	<0.347		1.90	0.347	ug/L		10/16/13 12:23	10/17/13 19:43	1
Biphenyl	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 19:43	1
Bis(2-chloroethoxy)methane	<1.30		9.52	1.30	ug/L		10/16/13 12:23	10/17/13 19:43	1
Bis(2-chloroethyl)ether	<1.32		9.52	1.32	ug/L		10/16/13 12:23	10/17/13 19:43	1
bis (2-chloroisopropyl) ether	<1.87		9.52	1.87	ug/L		10/16/13 12:23	10/17/13 19:43	1
Bis(2-ethylhexyl) phthalate	<1.96		9.52	1.96	ug/L		10/16/13 12:23	10/17/13 19:43	1
4-Bromophenyl phenyl ether	<1.30		9.52	1.30	ug/L		10/16/13 12:23	10/17/13 19:43	1
Butyl benzyl phthalate	<1.66		9.52	1.66	ug/L		10/16/13 12:23	10/17/13 19:43	1
Caprolactam	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 19:43	1
Carbazole	<0.285		9.52	0.285	ug/L		10/16/13 12:23	10/17/13 19:43	1
4-Chloroaniline	<1.11		9.52	1.11	ug/L		10/16/13 12:23	10/17/13 19:43	1
4-Chloro-3-methylphenol	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 19:43	1
2-Chloronaphthalene	<1.56		9.52	1.56	ug/L		10/16/13 12:23	10/17/13 19:43	1
2-Chlorophenol	<1.51		9.52	1.51	ug/L		10/16/13 12:23	10/17/13 19:43	1
4-Chlorophenyl phenyl ether	<1.67		9.52	1.67	ug/L		10/16/13 12:23	10/17/13 19:43	1
Chrysene	<1.04		1.90	1.04	ug/L		10/16/13 12:23	10/17/13 19:43	1
Dibenz(a,h)anthracene	<0.613		1.90	0.613	ug/L		10/16/13 12:23	10/17/13 19:43	1
Dibenzofuran	<0.323		9.52	0.323	ug/L		10/16/13 12:23	10/17/13 19:43	1
3,3'-Dichlorobenzidine	<1.45		9.52	1.45	ug/L		10/16/13 12:23	10/17/13 19:43	1
2,4-Dichlorophenol	<0.971		9.52	0.971	ug/L		10/16/13 12:23	10/17/13 19:43	1
Diethyl phthalate	<1.54		9.52	1.54	ug/L		10/16/13 12:23	10/17/13 19:43	1
2,4-Dimethylphenol	<0.949		9.52	0.949	ug/L		10/16/13 12:23	10/17/13 19:43	1
Dimethyl phthalate	<1.72		9.52	1.72	ug/L		10/16/13 12:23	10/17/13 19:43	1
Di-n-butyl phthalate	<1.43		9.52	1.43	ug/L		10/16/13 12:23	10/17/13 19:43	1
4,6-Dinitro-2-methylphenol	<1.97		23.8	1.97	ug/L		10/16/13 12:23	10/17/13 19:43	1
2,4-Dinitrophenol	<2.34		23.8	2.34	ug/L		10/16/13 12:23	10/17/13 19:43	1
2,4-Dinitrotoluene	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 19:43	1
2,6-Dinitrotoluene	<1.85		9.52	1.85	ug/L		10/16/13 12:23	10/17/13 19:43	1
Di-n-octyl phthalate	<2.20		9.52	2.20	ug/L		10/16/13 12:23	10/17/13 19:43	1
Fluoranthene	<0.330		1.90	0.330	ug/L		10/16/13 12:23	10/17/13 19:43	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 TW1 (8-12)**

**Lab Sample ID: 490-37637-3**

**Date Collected: 10/10/13 11:00**

**Matrix: Water**

**Date Received: 10/12/13 08:03**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.301		1.90	0.301	ug/L		10/16/13 12:23	10/17/13 19:43	1
Hexachlorobenzene	<1.61		9.52	1.61	ug/L		10/16/13 12:23	10/17/13 19:43	1
Hexachlorobutadiene	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 19:43	1
Hexachlorocyclopentadiene	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 19:43	1
Hexachloroethane	<3.17	*	9.52	3.17	ug/L		10/16/13 12:23	10/17/13 19:43	1
Indeno[1,2,3-cd]pyrene	<0.363		1.90	0.363	ug/L		10/16/13 12:23	10/17/13 19:43	1
Isophorone	<1.18		9.52	1.18	ug/L		10/16/13 12:23	10/17/13 19:43	1
2-Methylnaphthalene	<0.296		1.90	0.296	ug/L		10/16/13 12:23	10/17/13 19:43	1
2-Methylphenol	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 19:43	1
3 & 4 Methylphenol	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 19:43	1
Naphthalene	<0.379		1.90	0.379	ug/L		10/16/13 12:23	10/17/13 19:43	1
2-Nitroaniline	<0.990		23.8	0.990	ug/L		10/16/13 12:23	10/17/13 19:43	1
3-Nitroaniline	<1.76		23.8	1.76	ug/L		10/16/13 12:23	10/17/13 19:43	1
4-Nitroaniline	<2.28		23.8	2.28	ug/L		10/16/13 12:23	10/17/13 19:43	1
Nitrobenzene	<1.18		9.52	1.18	ug/L		10/16/13 12:23	10/17/13 19:43	1
2-Nitrophenol	<1.50		9.52	1.50	ug/L		10/16/13 12:23	10/17/13 19:43	1
4-Nitrophenol	<3.17		23.8	3.17	ug/L		10/16/13 12:23	10/17/13 19:43	1
N-Nitrosodi-n-propylamine	<1.35		9.52	1.35	ug/L		10/16/13 12:23	10/17/13 19:43	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.37		9.52	1.37	ug/L		10/16/13 12:23	10/17/13 19:43	1
Pentachlorophenol	<1.57		23.8	1.57	ug/L		10/16/13 12:23	10/17/13 19:43	1
Phenanthrene	<0.327		1.90	0.327	ug/L		10/16/13 12:23	10/17/13 19:43	1
Phenol	<3.29		9.52	3.29	ug/L		10/16/13 12:23	10/17/13 19:43	1
Pyrene	<0.315		1.90	0.315	ug/L		10/16/13 12:23	10/17/13 19:43	1
1,2,4,5-Tetrachlorobenzene	<3.85		9.52	3.85	ug/L		10/16/13 12:23	10/17/13 19:43	1
2,3,4,6-Tetrachlorophenol	<3.46		9.52	3.46	ug/L		10/16/13 12:23	10/17/13 19:43	1
2,4,5-Trichlorophenol	<1.93		23.8	1.93	ug/L		10/16/13 12:23	10/17/13 19:43	1
2,4,6-Trichlorophenol	<1.68		9.52	1.68	ug/L		10/16/13 12:23	10/17/13 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	35		29 - 120				10/16/13 12:23	10/17/13 19:43	1
2-Fluorophenol (Surr)	26		10 - 120				10/16/13 12:23	10/17/13 19:43	1
Nitrobenzene-d5 (Surr)	42		27 - 120				10/16/13 12:23	10/17/13 19:43	1
Phenol-d5 (Surr)	16		10 - 120				10/16/13 12:23	10/17/13 19:43	1
Terphenyl-d14 (Surr)	32		13 - 120				10/16/13 12:23	10/17/13 19:43	1
2,4,6-Tribromophenol (Surr)	42		10 - 120				10/16/13 12:23	10/17/13 19:43	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0562		0.238	0.0562	ug/L		10/16/13 09:58	10/18/13 21:30	10
alpha-BHC	<0.106		0.238	0.106	ug/L		10/16/13 09:58	10/18/13 21:30	10
beta-BHC	<0.0667		0.238	0.0667	ug/L		10/16/13 09:58	10/18/13 21:30	10
delta-BHC	<0.0733		0.238	0.0733	ug/L		10/16/13 09:58	10/18/13 21:30	10
gamma-BHC (Lindane)	<0.0543		0.238	0.0543	ug/L		10/16/13 09:58	10/18/13 21:30	10
alpha-Chlordane	<0.0505		0.238	0.0505	ug/L		10/16/13 09:58	10/18/13 21:30	10
gamma-Chlordane	<0.171		0.238	0.171	ug/L		10/16/13 09:58	10/18/13 21:30	10
Chlordane (technical)	<1.74		19.0	1.74	ug/L		10/16/13 09:58	10/18/13 21:30	10
4,4'-DDD	<0.0733		0.238	0.0733	ug/L		10/16/13 09:58	10/18/13 21:30	10
4,4'-DDE	<0.0943		0.238	0.0943	ug/L		10/16/13 09:58	10/18/13 21:30	10
4,4'-DDT	<0.0848		0.238	0.0848	ug/L		10/16/13 09:58	10/22/13 18:07	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 TW1 (8-12)**

**Lab Sample ID: 490-37637-3**

**Date Collected: 10/10/13 11:00**

**Matrix: Water**

**Date Received: 10/12/13 08:03**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.0543		0.238	0.0543	ug/L		10/16/13 09:58	10/18/13 21:30	10
Endosulfan I	<0.0743		0.238	0.0743	ug/L		10/16/13 09:58	10/18/13 21:30	10
Endosulfan II	<0.0514		0.238	0.0514	ug/L		10/16/13 09:58	10/18/13 21:30	10
Endosulfan sulfate	<0.0619		0.238	0.0619	ug/L		10/16/13 09:58	10/18/13 21:30	10
Endrin	<0.0629		0.238	0.0629	ug/L		10/16/13 09:58	10/22/13 18:07	10
Endrin aldehyde	<0.0829		0.238	0.0829	ug/L		10/16/13 09:58	10/22/13 18:07	10
Endrin ketone	<0.0619		0.238	0.0619	ug/L		10/16/13 09:58	10/22/13 18:07	10
Heptachlor	<0.0543		0.238	0.0543	ug/L		10/16/13 09:58	10/18/13 21:30	10
Heptachlor epoxide	<0.0667		0.238	0.0667	ug/L		10/16/13 09:58	10/18/13 21:30	10
Methoxychlor	<0.0505		0.238	0.0505	ug/L		10/16/13 09:58	10/22/13 18:07	10
Toxaphene	<0.393		19.0	0.393	ug/L		10/16/13 09:58	10/18/13 21:30	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	67		38 - 150	10/16/13 09:58	10/18/13 21:30	10
DCB Decachlorobiphenyl (Surr)	23		10 - 141	10/16/13 09:58	10/18/13 21:30	10

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0467		0.476	0.0467	ug/L		10/16/13 09:50	10/17/13 13:49	1
PCB-1221	<0.248		0.476	0.248	ug/L		10/16/13 09:50	10/17/13 13:49	1
PCB-1232	<0.0667		0.476	0.0667	ug/L		10/16/13 09:50	10/17/13 13:49	1
PCB-1242	<0.0610		0.476	0.0610	ug/L		10/16/13 09:50	10/17/13 13:49	1
PCB-1248	<0.0657		0.476	0.0657	ug/L		10/16/13 09:50	10/17/13 13:49	1
PCB-1254	<0.00667		0.476	0.00667	ug/L		10/16/13 09:50	10/17/13 13:49	1
PCB-1260	<0.0114		0.476	0.0114	ug/L		10/16/13 09:50	10/17/13 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	33		10 - 150	10/16/13 09:50	10/17/13 13:49	1
Tetrachloro-m-xylene	90		10 - 150	10/16/13 09:50	10/17/13 13:49	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>53.6</b>		0.100	0.0680	mg/L		10/16/13 14:45	10/17/13 22:25	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Arsenic</b>	<b>0.0271</b>	<b>B</b>	0.0100	0.00470	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Barium</b>	<b>0.185</b>		0.0100	0.000500	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Beryllium</b>	<b>0.00210</b>	<b>J</b>	0.00400	0.000300	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Cadmium</b>	<b>0.00220</b>		0.00100	0.000200	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Calcium</b>	<b>32.7</b>		1.00	0.150	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Chromium</b>	<b>0.232</b>		0.00500	0.00120	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Cobalt</b>	<b>0.0102</b>		0.0100	0.000900	mg/L		10/16/13 14:45	10/17/13 22:25	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Iron</b>	<b>38.3</b>	<b>B</b>	0.100	0.0100	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Lead</b>	<b>0.0584</b>		0.00500	0.00350	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Magnesium</b>	<b>16.4</b>		1.00	0.0530	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Manganese</b>	<b>0.142</b>		0.0150	0.00200	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Nickel</b>	<b>0.100</b>		0.0100	0.00130	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Potassium</b>	<b>7.72</b>	<b>B</b>	1.00	0.0880	mg/L		10/16/13 14:45	10/17/13 22:25	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/16/13 14:45	10/17/13 22:25	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/16/13 14:45	10/17/13 22:25	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 TW1 (8-12)**

**Lab Sample ID: 490-37637-3**

Date Collected: 10/10/13 11:00

Matrix: Water

Date Received: 10/12/13 08:03

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>39.2</b>		1.00	0.360	mg/L		10/16/13 14:45	10/17/13 22:25	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Vanadium</b>	<b>0.0864</b>		0.0200	0.0150	mg/L		10/16/13 14:45	10/17/13 22:25	1
<b>Zinc</b>	<b>0.0553</b>		0.0500	0.0100	mg/L		10/16/13 14:45	10/17/13 22:25	1

**Method: 6010C - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.112</b>	<b>B</b>	0.100	0.0680	mg/L		10/18/13 13:24	10/21/13 17:57	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/18/13 13:24	10/21/13 17:57	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/18/13 13:24	10/21/13 17:57	1
<b>Barium</b>	<b>0.00290</b>	<b>J</b>	0.0100	0.000500	mg/L		10/18/13 13:24	10/21/13 17:57	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/18/13 13:24	10/21/13 17:57	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/18/13 13:24	10/21/13 17:57	1
<b>Calcium</b>	<b>31.1</b>		1.00	0.150	mg/L		10/18/13 13:24	10/21/13 17:57	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/18/13 13:24	10/21/13 17:57	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/18/13 13:24	10/21/13 17:57	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/18/13 13:24	10/21/13 17:57	1
<b>Iron</b>	<b>0.266</b>		0.100	0.0100	mg/L		10/18/13 13:24	10/21/13 17:57	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/18/13 13:24	10/21/13 17:57	1
<b>Magnesium</b>	<b>12.7</b>		1.00	0.0530	mg/L		10/18/13 13:24	10/21/13 17:57	1
<b>Manganese</b>	<b>0.0563</b>		0.0150	0.00200	mg/L		10/18/13 13:24	10/21/13 17:57	1
<b>Nickel</b>	<b>0.00400</b>	<b>J</b>	0.0100	0.00130	mg/L		10/18/13 13:24	10/21/13 17:57	1
<b>Potassium</b>	<b>6.40</b>		1.00	0.0880	mg/L		10/18/13 13:24	10/21/13 17:57	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/18/13 13:24	10/21/13 17:57	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/18/13 13:24	10/21/13 17:57	1
<b>Sodium</b>	<b>40.0</b>		1.00	0.360	mg/L		10/18/13 13:24	10/21/13 17:57	1
<b>Thallium</b>	<b>0.00490</b>	<b>J B</b>	0.0100	0.00450	mg/L		10/18/13 13:24	10/21/13 17:57	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/18/13 13:24	10/21/13 17:57	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/18/13 13:24	10/21/13 17:57	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/23/13 12:54	10/24/13 11:23	1

**Method: 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/24/13 08:25	10/24/13 14:39	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (0-2)**

**Lab Sample ID: 490-37637-4**

**Date Collected: 10/10/13 13:50**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 55.5**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.271		0.0869	0.0695	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Benzene	0.00217	J	0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Bromochloromethane	<0.000956		0.00348	0.000956	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Bromodichloromethane	<0.000956		0.00348	0.000956	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Bromoform	<0.000956		0.00348	0.000956	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Bromomethane	<0.00209		0.00348	0.00209	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
2-Butanone (MEK)	0.0447	J	0.0869	0.00886	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Carbon disulfide	0.00660	J	0.00869	0.00626	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Carbon tetrachloride	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Chlorobenzene	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Chlorodibromomethane	<0.000591		0.00348	0.000591	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Chloroethane	<0.00330		0.00869	0.00330	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Chloroform	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Chloromethane	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
cis-1,2-Dichloroethene	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
cis-1,3-Dichloropropene	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Cyclohexane	<0.00573		0.0174	0.00573	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,2-Dibromo-3-Chloropropane	<0.00122		0.00869	0.00122	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,2-Dibromoethane (EDB)	<0.00174		0.00348	0.00174	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,2-Dichlorobenzene	<0.000591		0.00348	0.000591	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,3-Dichlorobenzene	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,4-Dichlorobenzene	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Dichlorodifluoromethane	<0.00174		0.00348	0.00174	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,1-Dichloroethane	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,2-Dichloroethane	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,1-Dichloroethene	<0.000990		0.00348	0.000990	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,2-Dichloropropane	<0.00163		0.00348	0.00163	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Ethylbenzene	0.00150	J	0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
2-Hexanone	<0.0290		0.0869	0.0290	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Isopropylbenzene	<0.000712		0.00348	0.000712	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Methyl acetate	<0.00417		0.0174	0.00417	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Methylcyclohexane	<0.00573		0.0174	0.00573	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Methylene Chloride	<0.00149		0.0174	0.00149	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
4-Methyl-2-pentanone (MIBK)	<0.0295		0.0869	0.0295	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Methyl tert-butyl ether	<0.00167		0.00348	0.00167	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Styrene	<0.00191		0.00348	0.00191	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,1,2,2-Tetrachloroethane	<0.00174		0.00348	0.00174	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Tetrachloroethene	<0.00127		0.00348	0.00127	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Toluene	0.00239	J	0.00348	0.00129	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
trans-1,2-Dichloroethene	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
trans-1,3-Dichloropropene	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,2,3-Trichlorobenzene	<0.000660		0.00348	0.000660	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,2,4-Trichlorobenzene	<0.00116		0.00348	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,1,1-Trichloroethane	<0.00160		0.00348	0.00160	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,1,2-Trichloroethane	<0.00243		0.00869	0.00243	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Trichloroethene	<0.00167		0.00348	0.00167	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Trichlorofluoromethane	<0.00174		0.00348	0.00174	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.00137		0.00348	0.00137	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
Vinyl chloride	<0.00191		0.00348	0.00191	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (0-2)**

**Lab Sample ID: 490-37637-4**

Date Collected: 10/10/13 13:50

Matrix: Soil

Date Received: 10/12/13 08:03

Percent Solids: 55.5

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Xylenes, Total</b>	<b>0.00184</b>	<b>J</b>	0.00521	0.00116	mg/Kg	☼	10/12/13 14:16	10/17/13 20:29	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	114		70 - 130				10/12/13 14:16	10/17/13 20:29	1
Dibromofluoromethane (Surr)	104		70 - 130				10/12/13 14:16	10/17/13 20:29	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 130				10/12/13 14:16	10/17/13 20:29	1
Toluene-d8 (Surr)	97		70 - 130				10/12/13 14:16	10/17/13 20:29	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00998		0.0668	0.00998	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Acenaphthylene	<0.00898		0.0668	0.00898	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Acetophenone	<0.0698		0.332	0.0698	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Anthracene	<0.00898		0.0668	0.00898	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Atrazine	<0.167		0.332	0.167	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Benzaldehyde	<0.285		1.67	0.285	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Benzo[a]anthracene	<0.0150		0.0668	0.0150	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Benzo[a]pyrene	<0.0120		0.0668	0.0120	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Benzo[b]fluoranthene	<0.0120		0.0668	0.0120	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Benzo[g,h,i]perylene	<0.00898		0.0668	0.00898	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Benzo[k]fluoranthene	<0.0140		0.0668	0.0140	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Biphenyl	<0.104		0.332	0.104	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Bis(2-chloroethoxy)methane	<0.0120		0.332	0.0120	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Bis(2-chloroethyl)ether	<0.0200		0.332	0.0200	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
bis (2-chloroisopropyl) ether	<0.134		0.332	0.134	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.396</b>	<b>B</b>	0.332	0.0130	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
4-Bromophenyl phenyl ether	<0.0170		0.332	0.0170	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Butyl benzyl phthalate	<0.0160		0.332	0.0160	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Caprolactam	<0.108		0.332	0.108	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Carbazole	<0.00698		0.332	0.00698	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
4-Chloroaniline	<0.166		0.332	0.166	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
4-Chloro-3-methylphenol	<0.0160		0.332	0.0160	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2-Chloronaphthalene	<0.0170		0.332	0.0170	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2-Chlorophenol	<0.0150		0.332	0.0150	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
4-Chlorophenyl phenyl ether	<0.0239		0.332	0.0239	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Chrysene	<0.00898		0.0668	0.00898	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Dibenz(a,h)anthracene	<0.00698		0.0668	0.00698	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Dibenzofuran	<0.0130		0.332	0.0130	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
3,3'-Dichlorobenzidine	<0.133		0.665	0.133	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2,4-Dichlorophenol	<0.0170		0.332	0.0170	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Diethyl phthalate	<0.0140		0.332	0.0140	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2,4-Dimethylphenol	<0.192		0.332	0.192	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Dimethyl phthalate	<0.00798		1.67	0.00798	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Di-n-butyl phthalate	<0.0130		0.332	0.0130	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
4,6-Dinitro-2-methylphenol	<0.103		0.332	0.103	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2,4-Dinitrophenol	<0.110		0.332	0.110	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2,4-Dinitrotoluene	<0.00898		0.332	0.00898	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2,6-Dinitrotoluene	<0.0309		0.332	0.0309	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Di-n-octyl phthalate	<0.0130		0.332	0.0130	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
<b>Fluoranthene</b>	<b>0.0349</b>	<b>J</b>	0.0668	0.00898	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (0-2)**

**Lab Sample ID: 490-37637-4**

**Date Collected: 10/10/13 13:50**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 55.5**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0120		0.0668	0.0120	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Hexachlorobenzene	<0.0289		0.332	0.0289	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Hexachlorobutadiene	<0.0698		0.332	0.0698	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Hexachlorocyclopentadiene	<0.0160		0.332	0.0160	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Hexachloroethane	<0.0200		0.332	0.0200	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Indeno[1,2,3-cd]pyrene	<0.00998		0.0668	0.00998	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Isophorone	<0.0589		0.332	0.0589	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2-Methylnaphthalene	<0.0160		0.0668	0.0160	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2-Methylphenol	<0.0928		0.332	0.0928	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
3 & 4 Methylphenol	<0.0200		0.332	0.0200	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Naphthalene	<0.00898		0.0668	0.00898	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2-Nitroaniline	<0.0180		0.831	0.0180	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
3-Nitroaniline	<0.148		0.831	0.148	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
4-Nitroaniline	<0.0299		0.831	0.0299	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Nitrobenzene	<0.0170		0.332	0.0170	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2-Nitrophenol	<0.0130		0.332	0.0130	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
4-Nitrophenol	<0.0150		0.332	0.0150	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
N-Nitrosodi-n-propylamine	<0.0210		0.332	0.0210	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		0.332	0.0160	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Pentachlorophenol	<0.125		0.831	0.125	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Phenanthrene	<0.00898		0.0668	0.00898	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Phenol	<0.0140		0.332	0.0140	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Pyrene	<0.0120		0.0668	0.0120	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
1,2,4,5-Tetrachlorobenzene	<0.257		1.67	0.257	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2,3,4,6-Tetrachlorophenol	<0.169		0.332	0.169	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2,4,5-Trichlorophenol	<0.0170		0.831	0.0170	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
2,4,6-Trichlorophenol	<0.0249		0.332	0.0249	mg/Kg	☼	10/16/13 08:57	10/18/13 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	39		29 - 120				10/16/13 08:57	10/18/13 00:18	1
2-Fluorophenol (Surr)	52		10 - 120				10/16/13 08:57	10/18/13 00:18	1
Nitrobenzene-d5 (Surr)	53		27 - 120				10/16/13 08:57	10/18/13 00:18	1
Phenol-d5 (Surr)	63		10 - 120				10/16/13 08:57	10/18/13 00:18	1
Terphenyl-d14 (Surr)	60		13 - 120				10/16/13 08:57	10/18/13 00:18	1
2,4,6-Tribromophenol (Surr)	62		10 - 120				10/16/13 08:57	10/18/13 00:18	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00559		0.0306	0.00559	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
alpha-BHC	<0.00360		0.0306	0.00360	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
beta-BHC	<0.0360		0.0595	0.0360	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
delta-BHC	<0.00685		0.0306	0.00685	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
gamma-BHC (Lindane)	<0.00703		0.0306	0.00703	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
alpha-Chlordane	<b>0.152</b>	<b>p</b>	0.0306	0.00775	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
gamma-Chlordane	<b>0.325</b>		0.0306	0.0142	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
Chlordane (technical)	<b>1.35</b>		1.20	0.654	mg/Kg	☼	10/15/13 08:42	10/18/13 01:21	10
4,4'-DDD	<0.00775		0.0306	0.00775	mg/Kg	☼	10/15/13 08:42	10/18/13 22:06	10
4,4'-DDE	<0.00901		0.0306	0.00901	mg/Kg	☼	10/15/13 08:42	10/18/13 22:06	10
4,4'-DDT	<0.0153		0.0306	0.0153	mg/Kg	☼	10/15/13 08:42	10/18/13 22:06	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (0-2)**

**Lab Sample ID: 490-37637-4**

Date Collected: 10/10/13 13:50

Matrix: Soil

Date Received: 10/12/13 08:03

Percent Solids: 55.5

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00721		0.0306	0.00721	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
Endosulfan I	<0.00847		0.0306	0.00847	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
Endosulfan II	<0.00991		0.0306	0.00991	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
Endosulfan sulfate	<0.00901		0.0306	0.00901	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
Endrin	<0.00775		0.0306	0.00775	mg/Kg	☼	10/15/13 08:42	10/22/13 18:43	10
Endrin aldehyde	<0.00919		0.0306	0.00919	mg/Kg	☼	10/15/13 08:42	10/22/13 18:43	10
Endrin ketone	<0.0106		0.0306	0.0106	mg/Kg	☼	10/15/13 08:42	10/22/13 18:43	10
<b>Heptachlor</b>	<b>0.0973</b>		0.0306	0.00757	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
<b>Heptachlor epoxide</b>	<b>0.0602</b>		0.0306	0.0117	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10
Methoxychlor	<0.00883		0.0595	0.00883	mg/Kg	☼	10/15/13 08:42	10/18/13 22:06	10
Toxaphene	<0.761		1.20	0.761	mg/Kg	☼	10/15/13 08:42	10/16/13 16:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	57		21 - 145	10/15/13 08:42	10/16/13 16:05	10
DCB Decachlorobiphenyl (Surr)	43	p	25 - 150	10/15/13 08:42	10/16/13 16:05	10

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0180		0.0599	0.0180	mg/Kg	☼	10/15/13 12:56	10/16/13 18:12	1
PCB-1221	<0.0180		0.0599	0.0180	mg/Kg	☼	10/15/13 12:56	10/16/13 18:12	1
PCB-1232	<0.0360		0.0599	0.0360	mg/Kg	☼	10/15/13 12:56	10/16/13 18:12	1
PCB-1242	<0.0180		0.0599	0.0180	mg/Kg	☼	10/15/13 12:56	10/16/13 18:12	1
PCB-1248	<0.0180		0.0599	0.0180	mg/Kg	☼	10/15/13 12:56	10/16/13 18:12	1
PCB-1254	<0.0180		0.0599	0.0180	mg/Kg	☼	10/15/13 12:56	10/16/13 18:12	1
PCB-1260	<0.0180		0.0599	0.0180	mg/Kg	☼	10/15/13 12:56	10/16/13 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	61		20 - 150	10/15/13 12:56	10/16/13 18:12	1
Tetrachloro-m-xylene	70		19 - 147	10/15/13 12:56	10/16/13 18:12	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>4170</b>		34.7	27.8	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
Antimony	<2.43		17.4	2.43	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Arsenic</b>	<b>24.9</b>		3.47	1.65	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Barium</b>	<b>42.8</b>		3.47	0.347	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Beryllium</b>	<b>0.243</b>	J	1.74	0.174	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Cadmium</b>	<b>0.243</b>	J	1.74	0.174	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Calcium</b>	<b>84100</b>		347	76.4	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Chromium</b>	<b>62.5</b>		1.74	0.521	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Cobalt</b>	<b>1.18</b>	J	3.47	0.521	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Copper</b>	<b>78.1</b>		3.47	2.95	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Iron</b>	<b>8390</b>		34.7	2.61	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Lead</b>	<b>69.7</b>		1.74	1.22	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Magnesium</b>	<b>1130</b>		347	22.6	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Manganese</b>	<b>77.7</b>	B	5.21	0.573	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Nickel</b>	<b>3.75</b>		3.47	0.521	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
<b>Potassium</b>	<b>261</b>	J B	347	34.7	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
Selenium	<2.61		3.47	2.61	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
Silver	<0.521		1.74	0.521	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (0-2)**

**Lab Sample ID: 490-37637-4**

Date Collected: 10/10/13 13:50

Matrix: Soil

Date Received: 10/12/13 08:03

Percent Solids: 55.5

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	180	J B	347	34.7	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
Thallium	<2.08		3.47	2.08	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
Vanadium	14.1	J	17.4	5.38	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1
Zinc	248		17.4	1.74	mg/Kg	☼	10/21/13 09:27	10/22/13 15:51	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0527		0.176	0.0527	mg/Kg	☼	10/23/13 11:35	10/25/13 08:35	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	55		0.10	0.10	%			10/14/13 10:23	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (10-14)**

**Lab Sample ID: 490-37637-5**

**Date Collected: 10/10/13 14:00**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 73.4**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.0675</b>		0.0668	0.0534	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Benzene	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Bromochloromethane	<0.000734		0.00267	0.000734	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Bromodichloromethane	<0.000734		0.00267	0.000734	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Bromoform	<0.000734		0.00267	0.000734	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Bromomethane	<0.00160		0.00267	0.00160	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
<b>2-Butanone (MEK)</b>	<b>0.00742</b>	<b>J</b>	0.0668	0.00681	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Carbon disulfide	<0.00481		0.00668	0.00481	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Carbon tetrachloride	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Chlorobenzene	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Chlorodibromomethane	<0.000454		0.00267	0.000454	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Chloroethane	<0.00254		0.00668	0.00254	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Chloroform	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Chloromethane	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
cis-1,2-Dichloroethene	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
cis-1,3-Dichloropropene	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Cyclohexane	<0.00441		0.0134	0.00441	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,2-Dibromo-3-Chloropropane	<0.000935		0.00668	0.000935	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,2-Dibromoethane (EDB)	<0.00134		0.00267	0.00134	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,2-Dichlorobenzene	<0.000454		0.00267	0.000454	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,3-Dichlorobenzene	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,4-Dichlorobenzene	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Dichlorodifluoromethane	<0.00134		0.00267	0.00134	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,1-Dichloroethane	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,2-Dichloroethane	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,1-Dichloroethene	<0.000761		0.00267	0.000761	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,2-Dichloropropane	<0.00126		0.00267	0.00126	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Ethylbenzene	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
2-Hexanone	<0.0223		0.0668	0.0223	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Isopropylbenzene	<0.000547		0.00267	0.000547	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Methyl acetate	<0.00320		0.0134	0.00320	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Methylcyclohexane	<0.00441		0.0134	0.00441	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Methylene Chloride	<0.00115		0.0134	0.00115	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
4-Methyl-2-pentanone (MIBK)	<0.0227		0.0668	0.0227	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Methyl tert-butyl ether	<0.00128		0.00267	0.00128	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Styrene	<0.00147		0.00267	0.00147	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,1,2,2-Tetrachloroethane	<0.00134		0.00267	0.00134	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Tetrachloroethene	<0.000975		0.00267	0.000975	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Toluene	<0.000988		0.00267	0.000988	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
trans-1,2-Dichloroethene	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
trans-1,3-Dichloropropene	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,2,3-Trichlorobenzene	<0.000507		0.00267	0.000507	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,2,4-Trichlorobenzene	<0.000895		0.00267	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,1,1-Trichloroethane	<0.00123		0.00267	0.00123	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,1,2-Trichloroethane	<0.00187		0.00668	0.00187	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Trichloroethene	<0.00128		0.00267	0.00128	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Trichlorofluoromethane	<0.00134		0.00267	0.00134	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.00105		0.00267	0.00105	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
Vinyl chloride	<0.00147		0.00267	0.00147	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (10-14)**

**Lab Sample ID: 490-37637-5**

**Date Collected: 10/10/13 14:00**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 73.4**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000895		0.00401	0.000895	mg/Kg	☼	10/12/13 14:16	10/17/13 20:59	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	122		70 - 130				10/12/13 14:16	10/17/13 20:59	1
Dibromofluoromethane (Surr)	105		70 - 130				10/12/13 14:16	10/17/13 20:59	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130				10/12/13 14:16	10/17/13 20:59	1
Toluene-d8 (Surr)	97		70 - 130				10/12/13 14:16	10/17/13 20:59	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00999		0.0669	0.00999	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Acenaphthylene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Acetophenone	<0.0699		0.333	0.0699	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Anthracene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Atrazine	<0.167		0.333	0.167	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Benzaldehyde	<0.286		1.67	0.286	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Benzo[a]anthracene	<0.0150		0.0669	0.0150	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Benzo[a]pyrene	<0.0120		0.0669	0.0120	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Benzo[b]fluoranthene	<0.0120		0.0669	0.0120	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Benzo[g,h,i]perylene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Benzo[k]fluoranthene	<0.0140		0.0669	0.0140	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Biphenyl	<0.104		0.333	0.104	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Bis(2-chloroethoxy)methane	<0.0120		0.333	0.0120	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Bis(2-chloroethyl)ether	<0.0200		0.333	0.0200	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
bis (2-chloroisopropyl) ether	<0.134		0.333	0.134	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.0803</b>	<b>J B</b>	0.333	0.0130	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
4-Bromophenyl phenyl ether	<0.0170		0.333	0.0170	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Butyl benzyl phthalate	<0.0160		0.333	0.0160	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Caprolactam	<0.108		0.333	0.108	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Carbazole	<0.00699		0.333	0.00699	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
4-Chloroaniline	<0.166		0.333	0.166	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
4-Chloro-3-methylphenol	<0.0160		0.333	0.0160	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2-Chloronaphthalene	<0.0170		0.333	0.0170	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2-Chlorophenol	<0.0150		0.333	0.0150	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
4-Chlorophenyl phenyl ether	<0.0240		0.333	0.0240	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Chrysene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Dibenz(a,h)anthracene	<0.00699		0.0669	0.00699	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Dibenzofuran	<0.0130		0.333	0.0130	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
3,3'-Dichlorobenzidine	<0.133		0.666	0.133	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2,4-Dichlorophenol	<0.0170		0.333	0.0170	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Diethyl phthalate	<0.0140		0.333	0.0140	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Dimethyl phthalate	<0.00799		1.67	0.00799	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Di-n-butyl phthalate	<0.0130		0.333	0.0130	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
4,6-Dinitro-2-methylphenol	<0.103		0.333	0.103	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2,4-Dinitrophenol	<0.110		0.333	0.110	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2,4-Dinitrotoluene	<0.00899		0.333	0.00899	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2,6-Dinitrotoluene	<0.0310		0.333	0.0310	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Di-n-octyl phthalate	<0.0130		0.333	0.0130	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Fluoranthene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (10-14)**

**Lab Sample ID: 490-37637-5**

**Date Collected: 10/10/13 14:00**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 73.4**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0120		0.0669	0.0120	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Hexachlorobenzene	<0.0290		0.333	0.0290	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Hexachlorobutadiene	<0.0699		0.333	0.0699	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Hexachlorocyclopentadiene	<0.0160		0.333	0.0160	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Hexachloroethane	<0.0200		0.333	0.0200	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Indeno[1,2,3-cd]pyrene	<0.00999		0.0669	0.00999	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Isophorone	<0.0589		0.333	0.0589	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2-Methylnaphthalene	<0.0160		0.0669	0.0160	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2-Methylphenol	<0.0929		0.333	0.0929	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
3 & 4 Methylphenol	<0.0200		0.333	0.0200	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Naphthalene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2-Nitroaniline	<0.0180		0.832	0.0180	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
3-Nitroaniline	<0.148		0.832	0.148	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
4-Nitroaniline	<0.0300		0.832	0.0300	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Nitrobenzene	<0.0170		0.333	0.0170	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2-Nitrophenol	<0.0130		0.333	0.0130	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
4-Nitrophenol	<0.0150		0.333	0.0150	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
N-Nitrosodi-n-propylamine	<0.0210		0.333	0.0210	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		0.333	0.0160	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Pentachlorophenol	<0.125		0.832	0.125	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Phenanthrene	<0.00899		0.0669	0.00899	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Phenol	<0.0140		0.333	0.0140	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Pyrene	<0.0120		0.0669	0.0120	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	0.258	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2,3,4,6-Tetrachlorophenol	<0.169		0.333	0.169	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2,4,5-Trichlorophenol	<0.0170		0.832	0.0170	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
2,4,6-Trichlorophenol	<0.0250		0.333	0.0250	mg/Kg	☼	10/16/13 08:57	10/18/13 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	45		29 - 120				10/16/13 08:57	10/18/13 00:41	1
2-Fluorophenol (Surr)	49		10 - 120				10/16/13 08:57	10/18/13 00:41	1
Nitrobenzene-d5 (Surr)	49		27 - 120				10/16/13 08:57	10/18/13 00:41	1
Phenol-d5 (Surr)	57		10 - 120				10/16/13 08:57	10/18/13 00:41	1
Terphenyl-d14 (Surr)	71		13 - 120				10/16/13 08:57	10/18/13 00:41	1
2,4,6-Tribromophenol (Surr)	66		10 - 120				10/16/13 08:57	10/18/13 00:41	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000413		0.00226	0.000413	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
alpha-BHC	<0.000266		0.00226	0.000266	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
beta-BHC	<0.000266		0.00439	0.00266	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
delta-BHC	<0.000506		0.00226	0.000506	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
gamma-BHC (Lindane)	<0.000519		0.00226	0.000519	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
alpha-Chlordane	<0.000573		0.00226	0.000573	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
gamma-Chlordane	<0.00105		0.00226	0.00105	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
Chlordane (technical)	<0.0483		0.0888	0.0483	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
4,4'-DDD	<0.000573		0.00226	0.000573	mg/Kg	☼	10/15/13 08:42	10/18/13 20:17	1
4,4'-DDE	<0.000666		0.00226	0.000666	mg/Kg	☼	10/15/13 08:42	10/18/13 20:17	1
4,4'-DDT	<0.00113		0.00226	0.00113	mg/Kg	☼	10/15/13 08:42	10/18/13 20:17	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (10-14)**

**Lab Sample ID: 490-37637-5**

Date Collected: 10/10/13 14:00

Matrix: Soil

Date Received: 10/12/13 08:03

Percent Solids: 73.4

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000533		0.00226	0.000533	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
Endosulfan I	<0.000626		0.00226	0.000626	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
Endosulfan II	<0.000732		0.00226	0.000732	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
Endosulfan sulfate	<0.000666		0.00226	0.000666	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
Endrin	<0.000573		0.00226	0.000573	mg/Kg	☼	10/15/13 08:42	10/22/13 17:30	1
Endrin aldehyde	<0.000679		0.00226	0.000679	mg/Kg	☼	10/15/13 08:42	10/22/13 17:30	1
Endrin ketone	<0.000786		0.00226	0.000786	mg/Kg	☼	10/15/13 08:42	10/22/13 17:30	1
Heptachlor	<0.000559		0.00226	0.000559	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
Heptachlor epoxide	<0.000866		0.00226	0.000866	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1
Methoxychlor	<0.000653		0.00439	0.000653	mg/Kg	☼	10/15/13 08:42	10/18/13 20:17	1
Toxaphene	<0.0562		0.0888	0.0562	mg/Kg	☼	10/15/13 08:42	10/16/13 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		21 - 145	10/15/13 08:42	10/16/13 16:17	1
DCB Decachlorobiphenyl (Surr)	75		25 - 150	10/15/13 08:42	10/16/13 16:17	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0134		0.0445	0.0134	mg/Kg	☼	10/15/13 12:56	10/16/13 18:33	1
PCB-1221	<0.0134		0.0445	0.0134	mg/Kg	☼	10/15/13 12:56	10/16/13 18:33	1
PCB-1232	<0.0267		0.0445	0.0267	mg/Kg	☼	10/15/13 12:56	10/16/13 18:33	1
PCB-1242	<0.0134		0.0445	0.0134	mg/Kg	☼	10/15/13 12:56	10/16/13 18:33	1
PCB-1248	<0.0134		0.0445	0.0134	mg/Kg	☼	10/15/13 12:56	10/16/13 18:33	1
PCB-1254	<0.0134		0.0445	0.0134	mg/Kg	☼	10/15/13 12:56	10/16/13 18:33	1
PCB-1260	<0.0134		0.0445	0.0134	mg/Kg	☼	10/15/13 12:56	10/16/13 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	64		20 - 150	10/15/13 12:56	10/16/13 18:33	1
Tetrachloro-m-xylene	79		19 - 147	10/15/13 12:56	10/16/13 18:33	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5560		26.2	21.0	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Antimony	<1.83		13.1	1.83	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Arsenic	5.45		2.62	1.24	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Barium	15.9		2.62	0.262	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Beryllium	0.262	J	1.31	0.131	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Cadmium	<0.131		1.31	0.131	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Calcium	677		262	57.6	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Chromium	16.1		1.31	0.393	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Cobalt	0.655	J	2.62	0.393	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Copper	17.6		2.62	2.23	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Iron	6530		26.2	1.97	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Lead	11.0		1.31	0.917	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Magnesium	741		262	17.0	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Manganese	13.7	B	3.93	0.432	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Nickel	2.99		2.62	0.393	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Potassium	503	B	262	26.2	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Selenium	<1.97		2.62	1.97	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Silver	<0.393		1.31	0.393	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (10-14)**

**Lab Sample ID: 490-37637-5**

**Date Collected: 10/10/13 14:00**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 73.4**

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	356	B	262	26.2	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Thallium	<1.57		2.62	1.57	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Vanadium	8.72	J	13.1	4.06	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1
Zinc	70.7		13.1	1.31	mg/Kg	☼	10/21/13 09:27	10/22/13 15:57	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0403		0.134	0.0403	mg/Kg	☼	10/23/13 11:35	10/25/13 08:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	73		0.10	0.10	%			10/14/13 10:23	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 TW2 54-58**

**Lab Sample ID: 490-37637-6**

**Date Collected: 10/10/13 14:15**

**Matrix: Water**

**Date Received: 10/12/13 08:03**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/15/13 20:49	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 20:49	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 20:49	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 20:49	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 20:49	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 20:49	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 20:49	1
<b>Carbon disulfide</b>	<b>0.379</b>	<b>J</b>	1.00	0.220	ug/L			10/15/13 20:49	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 20:49	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 20:49	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 20:49	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 20:49	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 20:49	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 20:49	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 20:49	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 20:49	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 20:49	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 20:49	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 20:49	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 20:49	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 20:49	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 20:49	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 20:49	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 20:49	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 20:49	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 20:49	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 20:49	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 20:49	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 20:49	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 20:49	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 20:49	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 20:49	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/15/13 20:49	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 20:49	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 20:49	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 20:49	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 20:49	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 20:49	1
<b>Toluene</b>	<b>0.205</b>	<b>J</b>	1.00	0.170	ug/L			10/15/13 20:49	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 20:49	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 20:49	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 20:49	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 20:49	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 20:49	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 20:49	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 20:49	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 20:49	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 20:49	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 20:49	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 TW2 54-58**

**Lab Sample ID: 490-37637-6**

**Date Collected: 10/10/13 14:15**

**Matrix: Water**

**Date Received: 10/12/13 08:03**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 20:49	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	99		70 - 130					10/15/13 20:49	1
Dibromofluoromethane (Surr)	106		70 - 130					10/15/13 20:49	1
1,2-Dichloroethane-d4 (Surr)	114		70 - 130					10/15/13 20:49	1
Toluene-d8 (Surr)	105		70 - 130					10/15/13 20:49	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.349		1.90	0.349	ug/L		10/16/13 12:23	10/17/13 20:05	1
Acenaphthylene	<0.314		1.90	0.314	ug/L		10/16/13 12:23	10/17/13 20:05	1
Acetophenone	<1.81		9.52	1.81	ug/L		10/16/13 12:23	10/17/13 20:05	1
Anthracene	<0.841		1.90	0.841	ug/L		10/16/13 12:23	10/17/13 20:05	1
Atrazine	<3.52 *		9.52	3.52	ug/L		10/16/13 12:23	10/17/13 20:05	1
Benzaldehyde	<2.05		9.52	2.05	ug/L		10/16/13 12:23	10/17/13 20:05	1
Benzo[a]anthracene	<0.309		1.90	0.309	ug/L		10/16/13 12:23	10/17/13 20:05	1
Benzo[a]pyrene	<0.314		1.90	0.314	ug/L		10/16/13 12:23	10/17/13 20:05	1
Benzo[b]fluoranthene	<0.402		1.90	0.402	ug/L		10/16/13 12:23	10/17/13 20:05	1
Benzo[g,h,i]perylene	<0.273		1.90	0.273	ug/L		10/16/13 12:23	10/17/13 20:05	1
Benzo[k]fluoranthene	<0.347		1.90	0.347	ug/L		10/16/13 12:23	10/17/13 20:05	1
Biphenyl	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 20:05	1
Bis(2-chloroethoxy)methane	<1.30		9.52	1.30	ug/L		10/16/13 12:23	10/17/13 20:05	1
Bis(2-chloroethyl)ether	<1.32		9.52	1.32	ug/L		10/16/13 12:23	10/17/13 20:05	1
bis (2-chloroisopropyl) ether	<1.87		9.52	1.87	ug/L		10/16/13 12:23	10/17/13 20:05	1
Bis(2-ethylhexyl) phthalate	<1.96		9.52	1.96	ug/L		10/16/13 12:23	10/17/13 20:05	1
4-Bromophenyl phenyl ether	<1.30		9.52	1.30	ug/L		10/16/13 12:23	10/17/13 20:05	1
Butyl benzyl phthalate	<1.66		9.52	1.66	ug/L		10/16/13 12:23	10/17/13 20:05	1
Caprolactam	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 20:05	1
Carbazole	<0.285		9.52	0.285	ug/L		10/16/13 12:23	10/17/13 20:05	1
4-Chloroaniline	<1.11		9.52	1.11	ug/L		10/16/13 12:23	10/17/13 20:05	1
4-Chloro-3-methylphenol	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 20:05	1
2-Chloronaphthalene	<1.56		9.52	1.56	ug/L		10/16/13 12:23	10/17/13 20:05	1
2-Chlorophenol	<1.51		9.52	1.51	ug/L		10/16/13 12:23	10/17/13 20:05	1
4-Chlorophenyl phenyl ether	<1.67		9.52	1.67	ug/L		10/16/13 12:23	10/17/13 20:05	1
Chrysene	<1.04		1.90	1.04	ug/L		10/16/13 12:23	10/17/13 20:05	1
Dibenz(a,h)anthracene	<0.613		1.90	0.613	ug/L		10/16/13 12:23	10/17/13 20:05	1
Dibenzofuran	<0.323		9.52	0.323	ug/L		10/16/13 12:23	10/17/13 20:05	1
3,3'-Dichlorobenzidine	<1.45		9.52	1.45	ug/L		10/16/13 12:23	10/17/13 20:05	1
2,4-Dichlorophenol	<0.971		9.52	0.971	ug/L		10/16/13 12:23	10/17/13 20:05	1
Diethyl phthalate	<1.54		9.52	1.54	ug/L		10/16/13 12:23	10/17/13 20:05	1
2,4-Dimethylphenol	<0.949		9.52	0.949	ug/L		10/16/13 12:23	10/17/13 20:05	1
Dimethyl phthalate	<1.72		9.52	1.72	ug/L		10/16/13 12:23	10/17/13 20:05	1
Di-n-butyl phthalate	<1.43		9.52	1.43	ug/L		10/16/13 12:23	10/17/13 20:05	1
4,6-Dinitro-2-methylphenol	<1.97		23.8	1.97	ug/L		10/16/13 12:23	10/17/13 20:05	1
2,4-Dinitrophenol	<2.34		23.8	2.34	ug/L		10/16/13 12:23	10/17/13 20:05	1
2,4-Dinitrotoluene	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 20:05	1
2,6-Dinitrotoluene	<1.85		9.52	1.85	ug/L		10/16/13 12:23	10/17/13 20:05	1
Di-n-octyl phthalate	<2.20		9.52	2.20	ug/L		10/16/13 12:23	10/17/13 20:05	1
Fluoranthene	<0.330		1.90	0.330	ug/L		10/16/13 12:23	10/17/13 20:05	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 TW2 54-58**

**Lab Sample ID: 490-37637-6**

**Date Collected: 10/10/13 14:15**

**Matrix: Water**

**Date Received: 10/12/13 08:03**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.301		1.90	0.301	ug/L		10/16/13 12:23	10/17/13 20:05	1
Hexachlorobenzene	<1.61		9.52	1.61	ug/L		10/16/13 12:23	10/17/13 20:05	1
Hexachlorobutadiene	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 20:05	1
Hexachlorocyclopentadiene	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 20:05	1
Hexachloroethane	<3.17 *		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 20:05	1
Indeno[1,2,3-cd]pyrene	<0.363		1.90	0.363	ug/L		10/16/13 12:23	10/17/13 20:05	1
Isophorone	<1.18		9.52	1.18	ug/L		10/16/13 12:23	10/17/13 20:05	1
2-Methylnaphthalene	<0.296		1.90	0.296	ug/L		10/16/13 12:23	10/17/13 20:05	1
2-Methylphenol	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 20:05	1
3 & 4 Methylphenol	<3.17		9.52	3.17	ug/L		10/16/13 12:23	10/17/13 20:05	1
Naphthalene	<0.379		1.90	0.379	ug/L		10/16/13 12:23	10/17/13 20:05	1
2-Nitroaniline	<0.990		23.8	0.990	ug/L		10/16/13 12:23	10/17/13 20:05	1
3-Nitroaniline	<1.76		23.8	1.76	ug/L		10/16/13 12:23	10/17/13 20:05	1
4-Nitroaniline	<2.28		23.8	2.28	ug/L		10/16/13 12:23	10/17/13 20:05	1
Nitrobenzene	<1.18		9.52	1.18	ug/L		10/16/13 12:23	10/17/13 20:05	1
2-Nitrophenol	<1.50		9.52	1.50	ug/L		10/16/13 12:23	10/17/13 20:05	1
4-Nitrophenol	<3.17		23.8	3.17	ug/L		10/16/13 12:23	10/17/13 20:05	1
N-Nitrosodi-n-propylamine	<1.35		9.52	1.35	ug/L		10/16/13 12:23	10/17/13 20:05	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.37		9.52	1.37	ug/L		10/16/13 12:23	10/17/13 20:05	1
Pentachlorophenol	<1.57		23.8	1.57	ug/L		10/16/13 12:23	10/17/13 20:05	1
Phenanthrene	<0.327		1.90	0.327	ug/L		10/16/13 12:23	10/17/13 20:05	1
Phenol	<3.29		9.52	3.29	ug/L		10/16/13 12:23	10/17/13 20:05	1
Pyrene	<0.315		1.90	0.315	ug/L		10/16/13 12:23	10/17/13 20:05	1
1,2,4,5-Tetrachlorobenzene	<3.85		9.52	3.85	ug/L		10/16/13 12:23	10/17/13 20:05	1
2,3,4,6-Tetrachlorophenol	<3.46		9.52	3.46	ug/L		10/16/13 12:23	10/17/13 20:05	1
2,4,5-Trichlorophenol	<1.93		23.8	1.93	ug/L		10/16/13 12:23	10/17/13 20:05	1
2,4,6-Trichlorophenol	<1.68		9.52	1.68	ug/L		10/16/13 12:23	10/17/13 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	16	X	29 - 120				10/16/13 12:23	10/17/13 20:05	1
2-Fluorophenol (Surr)	18		10 - 120				10/16/13 12:23	10/17/13 20:05	1
Nitrobenzene-d5 (Surr)	21	X	27 - 120				10/16/13 12:23	10/17/13 20:05	1
Phenol-d5 (Surr)	12		10 - 120				10/16/13 12:23	10/17/13 20:05	1
Terphenyl-d14 (Surr)	16		13 - 120				10/16/13 12:23	10/17/13 20:05	1
2,4,6-Tribromophenol (Surr)	22		10 - 120				10/16/13 12:23	10/17/13 20:05	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0562		0.238	0.0562	ug/L		10/16/13 09:58	10/18/13 21:18	10
alpha-BHC	<0.106		0.238	0.106	ug/L		10/16/13 09:58	10/18/13 21:18	10
beta-BHC	<0.0667		0.238	0.0667	ug/L		10/16/13 09:58	10/18/13 21:18	10
delta-BHC	<0.0733		0.238	0.0733	ug/L		10/16/13 09:58	10/18/13 21:18	10
gamma-BHC (Lindane)	<0.0543		0.238	0.0543	ug/L		10/16/13 09:58	10/18/13 21:18	10
alpha-Chlordane	<0.0505		0.238	0.0505	ug/L		10/16/13 09:58	10/18/13 21:18	10
gamma-Chlordane	<0.171		0.238	0.171	ug/L		10/16/13 09:58	10/18/13 21:18	10
Chlordane (technical)	<1.74		19.0	1.74	ug/L		10/16/13 09:58	10/18/13 21:18	10
4,4'-DDD	<0.0733		0.238	0.0733	ug/L		10/16/13 09:58	10/18/13 21:18	10
4,4'-DDE	<0.0943		0.238	0.0943	ug/L		10/16/13 09:58	10/18/13 21:18	10
4,4'-DDT	<0.0848		0.238	0.0848	ug/L		10/16/13 09:58	10/22/13 17:55	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 TW2 54-58**

**Lab Sample ID: 490-37637-6**

Date Collected: 10/10/13 14:15

Matrix: Water

Date Received: 10/12/13 08:03

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.0543		0.238	0.0543	ug/L		10/16/13 09:58	10/18/13 21:18	10
Endosulfan I	<0.0743		0.238	0.0743	ug/L		10/16/13 09:58	10/18/13 21:18	10
Endosulfan II	<0.0514		0.238	0.0514	ug/L		10/16/13 09:58	10/18/13 21:18	10
Endosulfan sulfate	<0.0619		0.238	0.0619	ug/L		10/16/13 09:58	10/18/13 21:18	10
Endrin	<0.0629		0.238	0.0629	ug/L		10/16/13 09:58	10/22/13 17:55	10
Endrin aldehyde	<0.0829		0.238	0.0829	ug/L		10/16/13 09:58	10/22/13 17:55	10
Endrin ketone	<0.0619		0.238	0.0619	ug/L		10/16/13 09:58	10/22/13 17:55	10
Heptachlor	<0.0543		0.238	0.0543	ug/L		10/16/13 09:58	10/18/13 21:18	10
Heptachlor epoxide	<0.0667		0.238	0.0667	ug/L		10/16/13 09:58	10/18/13 21:18	10
Methoxychlor	<0.0505		0.238	0.0505	ug/L		10/16/13 09:58	10/22/13 17:55	10
Toxaphene	<0.393		19.0	0.393	ug/L		10/16/13 09:58	10/18/13 21:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		38 - 150	10/16/13 09:58	10/18/13 21:18	10
DCB Decachlorobiphenyl (Surr)	15		10 - 141	10/16/13 09:58	10/18/13 21:18	10

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0462		0.472	0.0462	ug/L		10/16/13 09:50	10/17/13 14:11	1
PCB-1221	<0.245		0.472	0.245	ug/L		10/16/13 09:50	10/17/13 14:11	1
PCB-1232	<0.0660		0.472	0.0660	ug/L		10/16/13 09:50	10/17/13 14:11	1
PCB-1242	<0.0604		0.472	0.0604	ug/L		10/16/13 09:50	10/17/13 14:11	1
PCB-1248	<0.0651		0.472	0.0651	ug/L		10/16/13 09:50	10/17/13 14:11	1
PCB-1254	<0.00660		0.472	0.00660	ug/L		10/16/13 09:50	10/17/13 14:11	1
PCB-1260	<0.0113		0.472	0.0113	ug/L		10/16/13 09:50	10/17/13 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	24		10 - 150	10/16/13 09:50	10/17/13 14:11	1
Tetrachloro-m-xylene	73		10 - 150	10/16/13 09:50	10/17/13 14:11	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>116</b>		1.00	0.680	mg/L		10/16/13 14:45	10/17/13 22:28	10
Antimony	<0.0670		0.100	0.0670	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Arsenic</b>	<b>0.0800</b>	<b>J B</b>	0.100	0.0470	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Barium</b>	<b>0.457</b>		0.100	0.00500	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Beryllium</b>	<b>0.0110</b>	<b>J</b>	0.0400	0.00300	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Cadmium</b>	<b>0.0160</b>		0.0100	0.00200	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Calcium</b>	<b>698</b>		10.0	1.50	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Chromium</b>	<b>0.508</b>		0.0500	0.0120	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Cobalt</b>	<b>0.0490</b>	<b>J</b>	0.100	0.00900	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Copper</b>	<b>0.114</b>		0.100	0.0700	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Iron</b>	<b>188</b>	<b>B</b>	1.00	0.100	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Lead</b>	<b>0.161</b>		0.0500	0.0350	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Magnesium</b>	<b>62.2</b>		10.0	0.530	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Manganese</b>	<b>1.52</b>		0.150	0.0200	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Nickel</b>	<b>0.198</b>		0.100	0.0130	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Potassium</b>	<b>30.4</b>	<b>B</b>	10.0	0.880	mg/L		10/16/13 14:45	10/17/13 22:28	10
Selenium	<0.0640		0.100	0.0640	mg/L		10/16/13 14:45	10/17/13 22:28	10
Silver	<0.0130		0.0500	0.0130	mg/L		10/16/13 14:45	10/17/13 22:28	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 TW2 54-58**

**Lab Sample ID: 490-37637-6**

Date Collected: 10/10/13 14:15

Matrix: Water

Date Received: 10/12/13 08:03

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>277</b>		10.0	3.60	mg/L		10/16/13 14:45	10/17/13 22:28	10
Thallium	<0.0450		0.100	0.0450	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Vanadium</b>	<b>0.250</b>		0.200	0.150	mg/L		10/16/13 14:45	10/17/13 22:28	10
<b>Zinc</b>	<b>0.554</b>		0.500	0.100	mg/L		10/16/13 14:45	10/17/13 22:28	10

**Method: 6010C - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0680		0.100	0.0680	mg/L		10/18/13 13:24	10/21/13 18:00	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/18/13 13:24	10/21/13 18:00	1
<b>Arsenic</b>	<b>0.00510</b>	<b>J</b>	0.0100	0.00470	mg/L		10/18/13 13:24	10/21/13 18:00	1
<b>Barium</b>	<b>0.0487</b>		0.0100	0.000500	mg/L		10/18/13 13:24	10/21/13 18:00	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/18/13 13:24	10/21/13 18:00	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/18/13 13:24	10/21/13 18:00	1
<b>Calcium</b>	<b>50.7</b>		1.00	0.150	mg/L		10/18/13 13:24	10/21/13 18:00	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/18/13 13:24	10/21/13 18:00	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/18/13 13:24	10/21/13 18:00	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/18/13 13:24	10/21/13 18:00	1
Iron	<0.0100		0.100	0.0100	mg/L		10/18/13 13:24	10/21/13 18:00	1
<b>Lead</b>	<b>0.00490</b>	<b>J</b>	0.00500	0.00350	mg/L		10/18/13 13:24	10/21/13 18:00	1
<b>Magnesium</b>	<b>23.9</b>		1.00	0.0530	mg/L		10/18/13 13:24	10/21/13 18:00	1
<b>Manganese</b>	<b>0.232</b>		0.0150	0.00200	mg/L		10/18/13 13:24	10/21/13 18:00	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/18/13 13:24	10/21/13 18:00	1
<b>Potassium</b>	<b>19.7</b>		1.00	0.0880	mg/L		10/18/13 13:24	10/21/13 18:00	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/18/13 13:24	10/21/13 18:00	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/18/13 13:24	10/21/13 18:00	1
<b>Sodium</b>	<b>211</b>		1.00	0.360	mg/L		10/18/13 13:24	10/21/13 18:00	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/18/13 13:24	10/21/13 18:00	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/18/13 13:24	10/21/13 18:00	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/18/13 13:24	10/21/13 18:00	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.000441</b>		0.000200	0.000150	mg/L		10/23/13 12:54	10/24/13 11:29	1

**Method: 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/24/13 08:25	10/24/13 14:37	1



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37637-7**

**Date Collected: 10/10/13 00:01**

**Matrix: Water**

**Date Received: 10/12/13 08:03**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/15/13 19:28	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 19:28	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 19:28	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 19:28	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 19:28	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 19:28	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 19:28	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/15/13 19:28	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 19:28	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 19:28	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 19:28	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 19:28	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 19:28	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 19:28	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 19:28	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 19:28	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 19:28	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 19:28	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 19:28	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 19:28	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 19:28	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 19:28	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 19:28	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 19:28	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 19:28	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 19:28	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 19:28	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 19:28	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 19:28	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 19:28	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 19:28	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 19:28	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/15/13 19:28	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 19:28	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 19:28	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 19:28	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 19:28	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 19:28	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 19:28	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 19:28	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 19:28	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 19:28	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 19:28	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 19:28	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 19:28	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 19:28	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 19:28	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 19:28	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 19:28	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37637-7**

**Date Collected: 10/10/13 00:01**

**Matrix: Water**

**Date Received: 10/12/13 08:03**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		10/15/13 19:28	1
Dibromofluoromethane (Surr)	108		70 - 130		10/15/13 19:28	1
1,2-Dichloroethane-d4 (Surr)	116		70 - 130		10/15/13 19:28	1
Toluene-d8 (Surr)	102		70 - 130		10/15/13 19:28	1



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37637-8**

**Date Collected: 10/10/13 00:01**

**Matrix: Water**

**Date Received: 10/12/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/17/13 15:11	1
Benzene	<0.200		1.00	0.200	ug/L			10/17/13 15:11	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/17/13 15:11	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/17/13 15:11	1
Bromoform	<0.290		1.00	0.290	ug/L			10/17/13 15:11	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/17/13 15:11	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/17/13 15:11	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/17/13 15:11	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/17/13 15:11	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/17/13 15:11	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/17/13 15:11	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/17/13 15:11	1
Chloroform	<0.230		1.00	0.230	ug/L			10/17/13 15:11	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/17/13 15:11	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/17/13 15:11	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/17/13 15:11	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/17/13 15:11	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/17/13 15:11	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/17/13 15:11	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/17/13 15:11	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/17/13 15:11	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/17/13 15:11	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/17/13 15:11	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/17/13 15:11	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/17/13 15:11	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/17/13 15:11	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/17/13 15:11	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/17/13 15:11	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/17/13 15:11	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/17/13 15:11	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/17/13 15:11	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/17/13 15:11	1
<b>Methylene Chloride</b>	<b>0.443</b>	<b>J</b>	5.00	0.220	ug/L			10/17/13 15:11	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/17/13 15:11	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/17/13 15:11	1
Styrene	<0.280		1.00	0.280	ug/L			10/17/13 15:11	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/17/13 15:11	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/17/13 15:11	1
Toluene	<0.170		1.00	0.170	ug/L			10/17/13 15:11	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/17/13 15:11	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/17/13 15:11	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/17/13 15:11	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/17/13 15:11	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/17/13 15:11	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/17/13 15:11	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/17/13 15:11	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/17/13 15:11	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/17/13 15:11	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/17/13 15:11	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37637-8**

**Date Collected: 10/10/13 00:01**

**Matrix: Water**

**Date Received: 10/12/13 08:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/17/13 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130					10/17/13 15:11	1
Dibromofluoromethane (Surr)	101		70 - 130					10/17/13 15:11	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 130					10/17/13 15:11	1
Toluene-d8 (Surr)	110		70 - 130					10/17/13 15:11	1



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-114468/7**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/15/13 13:14	1
Benzene	<0.200		1.00	0.200	ug/L			10/15/13 13:14	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/15/13 13:14	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
Bromoform	<0.290		1.00	0.290	ug/L			10/15/13 13:14	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/15/13 13:14	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/15/13 13:14	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/15/13 13:14	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/15/13 13:14	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 13:14	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/15/13 13:14	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/15/13 13:14	1
Chloroform	<0.230		1.00	0.230	ug/L			10/15/13 13:14	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/15/13 13:14	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/15/13 13:14	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/15/13 13:14	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/15/13 13:14	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/15/13 13:14	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/15/13 13:14	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/15/13 13:14	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/15/13 13:14	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/15/13 13:14	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/15/13 13:14	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/15/13 13:14	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/15/13 13:14	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/15/13 13:14	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/15/13 13:14	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/15/13 13:14	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/15/13 13:14	1
Methylene Chloride	0.2830	J	5.00	0.220	ug/L			10/15/13 13:14	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/15/13 13:14	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
Styrene	<0.280		1.00	0.280	ug/L			10/15/13 13:14	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/15/13 13:14	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/15/13 13:14	1
Toluene	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/15/13 13:14	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/15/13 13:14	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/15/13 13:14	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/15/13 13:14	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 13:14	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/15/13 13:14	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/15/13 13:14	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/15/13 13:14	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/15/13 13:14	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114468/7**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/15/13 13:14	1
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/15/13 13:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		10/15/13 13:14	1
Dibromofluoromethane (Surr)	105		70 - 130		10/15/13 13:14	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 130		10/15/13 13:14	1
Toluene-d8 (Surr)	107		70 - 130		10/15/13 13:14	1

**Lab Sample ID: LCS 490-114468/3**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	259.9		ug/L		104	54 - 145
Benzene	50.0	50.12		ug/L		100	80 - 121
Bromochloromethane	50.0	50.65		ug/L		101	78 - 129
Bromodichloromethane	50.0	52.44		ug/L		105	75 - 129
Bromoform	50.0	58.17		ug/L		116	46 - 145
Bromomethane	50.0	52.95		ug/L		106	41 - 150
2-Butanone (MEK)	250	257.5		ug/L		103	62 - 133
Carbon disulfide	50.0	50.44		ug/L		101	77 - 126
Carbon tetrachloride	50.0	45.94		ug/L		92	64 - 147
Chlorobenzene	50.0	48.85		ug/L		98	80 - 120
Chlorodibromomethane	50.0	54.80		ug/L		110	69 - 133
Chloroethane	50.0	51.20		ug/L		102	72 - 120
Chloroform	50.0	51.04		ug/L		102	73 - 129
Chloromethane	50.0	44.73		ug/L		89	12 - 150
cis-1,2-Dichloroethene	50.0	51.29		ug/L		103	76 - 125
cis-1,3-Dichloropropene	50.0	52.55		ug/L		105	74 - 140
Cyclohexane	50.0	49.63		ug/L		99	73 - 122
1,2-Dibromo-3-Chloropropane	50.0	51.25		ug/L		102	54 - 125
1,2-Dibromoethane (EDB)	50.0	51.61		ug/L		103	80 - 129
1,2-Dichlorobenzene	50.0	48.93		ug/L		98	80 - 121
1,3-Dichlorobenzene	50.0	49.16		ug/L		98	80 - 122
1,4-Dichlorobenzene	50.0	49.70		ug/L		99	80 - 120
Dichlorodifluoromethane	50.0	51.43		ug/L		103	37 - 127
1,1-Dichloroethane	50.0	49.50		ug/L		99	78 - 125
1,2-Dichloroethane	50.0	54.69		ug/L		109	77 - 121
1,1-Dichloroethene	50.0	48.69		ug/L		97	79 - 124
1,2-Dichloropropane	50.0	51.34		ug/L		103	75 - 120
Ethylbenzene	50.0	49.65		ug/L		99	80 - 130
2-Hexanone	250	290.4		ug/L		116	60 - 142
Isopropylbenzene	50.0	51.03		ug/L		102	80 - 141
Methyl acetate	250	281.8		ug/L		113	64 - 150
Methylcyclohexane	50.0	47.01		ug/L		94	71 - 129
Methylene Chloride	50.0	46.03		ug/L		92	79 - 123
4-Methyl-2-pentanone (MIBK)	250	285.7		ug/L		114	60 - 137

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114468/3**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Methyl tert-butyl ether	50.0	50.17		ug/L		100	72 - 133	
Styrene	50.0	55.70		ug/L		111	80 - 127	
1,1,2,2-Tetrachloroethane	50.0	53.11		ug/L		106	69 - 131	
Tetrachloroethene	50.0	48.80		ug/L		98	80 - 126	
Toluene	50.0	52.57		ug/L		105	80 - 126	
trans-1,2-Dichloroethene	50.0	49.84		ug/L		100	79 - 126	
trans-1,3-Dichloropropene	50.0	53.06		ug/L		106	63 - 134	
1,2,3-Trichlorobenzene	50.0	51.43		ug/L		103	62 - 133	
1,2,4-Trichlorobenzene	50.0	50.74		ug/L		101	63 - 133	
1,1,1-Trichloroethane	50.0	49.77		ug/L		100	78 - 135	
1,1,2-Trichloroethane	50.0	53.71		ug/L		107	80 - 124	
Trichloroethene	50.0	49.15		ug/L		98	80 - 123	
Trichlorofluoromethane	50.0	51.18		ug/L		102	65 - 124	
1,1,2-Trichloro-1,2,2-trichlorofluoroethane	50.0	47.27		ug/L		95	77 - 129	
Vinyl chloride	50.0	47.26		ug/L		95	68 - 120	
Xylenes, Total	100	100.9		ug/L		101	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
Toluene-d8 (Surr)	104		70 - 130

**Lab Sample ID: LCSD 490-114468/4**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
									RPD	Limit
Acetone	250	276.3		ug/L		111	54 - 145	6	21	
Benzene	50.0	48.64		ug/L		97	80 - 121	3	17	
Bromochloromethane	50.0	51.54		ug/L		103	78 - 129	2	17	
Bromodichloromethane	50.0	51.76		ug/L		104	75 - 129	1	18	
Bromoform	50.0	57.55		ug/L		115	46 - 145	1	16	
Bromomethane	50.0	49.59		ug/L		99	41 - 150	7	50	
2-Butanone (MEK)	250	260.7		ug/L		104	62 - 133	1	19	
Carbon disulfide	50.0	47.68		ug/L		95	77 - 126	6	21	
Carbon tetrachloride	50.0	45.60		ug/L		91	64 - 147	1	19	
Chlorobenzene	50.0	46.48		ug/L		93	80 - 120	5	14	
Chlorodibromomethane	50.0	51.81		ug/L		104	69 - 133	6	15	
Chloroethane	50.0	48.27		ug/L		97	72 - 120	6	20	
Chloroform	50.0	50.19		ug/L		100	73 - 129	2	18	
Chloromethane	50.0	41.88		ug/L		84	12 - 150	7	31	
cis-1,2-Dichloroethene	50.0	50.43		ug/L		101	76 - 125	2	17	
cis-1,3-Dichloropropene	50.0	52.28		ug/L		105	74 - 140	1	15	
Cyclohexane	50.0	47.77		ug/L		96	73 - 122	4	16	
1,2-Dibromo-3-Chloropropane	50.0	52.79		ug/L		106	54 - 125	3	24	
1,2-Dibromoethane (EDB)	50.0	50.47		ug/L		101	80 - 129	2	15	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-114468/4**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
							RPD	Limit		
1,2-Dichlorobenzene	50.0	47.57		ug/L		95	80 - 121	3	15	
1,3-Dichlorobenzene	50.0	47.71		ug/L		95	80 - 122	3	15	
1,4-Dichlorobenzene	50.0	47.78		ug/L		96	80 - 120	4	15	
Dichlorodifluoromethane	50.0	49.75		ug/L		99	37 - 127	3	18	
1,1-Dichloroethane	50.0	47.47		ug/L		95	78 - 125	4	17	
1,2-Dichloroethane	50.0	53.28		ug/L		107	77 - 121	3	17	
1,1-Dichloroethene	50.0	46.59		ug/L		93	79 - 124	4	17	
1,2-Dichloropropane	50.0	49.71		ug/L		99	75 - 120	3	17	
Ethylbenzene	50.0	47.03		ug/L		94	80 - 130	5	15	
2-Hexanone	250	279.3		ug/L		112	60 - 142	4	15	
Isopropylbenzene	50.0	48.21		ug/L		96	80 - 141	6	16	
Methyl acetate	250	283.0		ug/L		113	64 - 150	0	31	
Methylcyclohexane	50.0	45.41		ug/L		91	71 - 129	3	19	
Methylene Chloride	50.0	45.69		ug/L		91	79 - 123	1	17	
4-Methyl-2-pentanone (MIBK)	250	293.6		ug/L		117	60 - 137	3	17	
Methyl tert-butyl ether	50.0	49.13		ug/L		98	72 - 133	2	16	
Styrene	50.0	53.13		ug/L		106	80 - 127	5	24	
1,1,2,2-Tetrachloroethane	50.0	52.69		ug/L		105	69 - 131	1	20	
Tetrachloroethene	50.0	46.88		ug/L		94	80 - 126	4	16	
Toluene	50.0	50.27		ug/L		101	80 - 126	4	15	
trans-1,2-Dichloroethene	50.0	47.51		ug/L		95	79 - 126	5	16	
trans-1,3-Dichloropropene	50.0	53.05		ug/L		106	63 - 134	0	14	
1,2,3-Trichlorobenzene	50.0	50.54		ug/L		101	62 - 133	2	25	
1,2,4-Trichlorobenzene	50.0	50.01		ug/L		100	63 - 133	1	19	
1,1,1-Trichloroethane	50.0	48.10		ug/L		96	78 - 135	3	17	
1,1,2-Trichloroethane	50.0	52.30		ug/L		105	80 - 124	3	15	
Trichloroethene	50.0	48.35		ug/L		97	80 - 123	2	17	
Trichlorofluoromethane	50.0	49.24		ug/L		98	65 - 124	4	18	
1,1,2-Trichloro-1,2,2-trichloroethane	50.0	46.19		ug/L		92	77 - 129	2	18	
Vinyl chloride	50.0	44.01		ug/L		88	68 - 120	7	17	
Xylenes, Total	100	96.21		ug/L		96	80 - 132	5	15	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	106		70 - 130
Toluene-d8 (Surr)	106		70 - 130

**Lab Sample ID: 490-37783-B-1 MS**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier				RPD	Limit
Acetone	5.75		250	234.6		ug/L		92	45 - 141	
Benzene	<0.200		50.0	50.47		ug/L		101	75 - 133	
Bromochloromethane	<0.150		50.0	50.03		ug/L		100	67 - 139	
Bromodichloromethane	<0.170		50.0	53.08		ug/L		106	70 - 140	

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37783-B-1 MS**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Bromoform	<0.290		50.0	58.56		ug/L		117	42 - 147
Bromomethane	<0.350		50.0	36.85		ug/L		74	16 - 163
2-Butanone (MEK)	<2.64		250	233.5		ug/L		93	50 - 138
Carbon disulfide	<0.220		50.0	44.67		ug/L		89	48 - 152
Carbon tetrachloride	<0.180		50.0	50.87		ug/L		102	62 - 164
Chlorobenzene	<0.180		50.0	49.66		ug/L		99	80 - 129
Chlorodibromomethane	<0.250		50.0	55.41		ug/L		111	66 - 140
Chloroethane	<0.360		50.0	48.93		ug/L		98	58 - 137
Chloroform	<0.230		50.0	52.50		ug/L		105	66 - 138
Chloromethane	<0.360		50.0	41.65		ug/L		83	10 - 169
cis-1,2-Dichloroethene	<0.210		50.0	50.75		ug/L		101	68 - 138
cis-1,3-Dichloropropene	<0.170		50.0	52.34		ug/L		105	71 - 141
Cyclohexane	<0.220		50.0	48.34		ug/L		97	58 - 144
1,2-Dibromo-3-Chloropropane	<0.940		50.0	46.64		ug/L		93	52 - 126
1,2-Dibromoethane (EDB)	<0.210		50.0	49.63		ug/L		99	75 - 137
1,2-Dichlorobenzene	<0.190		50.0	48.07		ug/L		96	79 - 128
1,3-Dichlorobenzene	<0.180		50.0	47.92		ug/L		96	77 - 131
1,4-Dichlorobenzene	<0.170		50.0	48.27		ug/L		97	78 - 126
Dichlorodifluoromethane	<0.170		50.0	45.85		ug/L		92	40 - 127
1,1-Dichloroethane	<0.240		50.0	49.96		ug/L		100	71 - 139
1,2-Dichloroethane	<0.200		50.0	53.11		ug/L		106	64 - 136
1,1-Dichloroethene	<0.250		50.0	47.00		ug/L		94	70 - 142
1,2-Dichloropropane	<0.250		50.0	52.17		ug/L		104	67 - 131
Ethylbenzene	1.73		50.0	53.78		ug/L		104	79 - 139
2-Hexanone	<1.28		250	271.1		ug/L		108	50 - 150
Isopropylbenzene	<0.330		50.0	55.18		ug/L		110	80 - 153
Methyl acetate	<0.720		250	245.4		ug/L		98	30 - 165
Methylcyclohexane	<0.200		50.0	47.12		ug/L		94	59 - 151
Methylene Chloride	<0.220		50.0	43.45		ug/L		87	64 - 139
4-Methyl-2-pentanone (MIBK)	<0.810		250	276.7		ug/L		111	50 - 147
Methyl tert-butyl ether	4.51		50.0	50.51		ug/L		92	66 - 141
Styrene	<0.280		50.0	57.67		ug/L		115	61 - 148
1,1,1,2-Tetrachloroethane	<0.190		50.0	47.38		ug/L		95	56 - 143
Tetrachloroethene	<0.140		50.0	50.19		ug/L		100	72 - 145
Toluene	7.32		50.0	60.70		ug/L		107	75 - 136
trans-1,2-Dichloroethene	<0.230		50.0	48.94		ug/L		98	66 - 143
trans-1,3-Dichloropropene	<0.170		50.0	51.48		ug/L		103	59 - 135
1,2,3-Trichlorobenzene	<0.230		50.0	49.26		ug/L		99	55 - 138
1,2,4-Trichlorobenzene	<0.200		50.0	47.34		ug/L		95	60 - 136
1,1,1-Trichloroethane	<0.190		50.0	53.87		ug/L		108	76 - 149
1,1,2-Trichloroethane	<0.190		50.0	51.95		ug/L		104	74 - 134
Trichloroethene	<0.200		50.0	49.66		ug/L		99	73 - 144
Trichlorofluoromethane	<0.210		50.0	52.66		ug/L		105	58 - 139
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	48.23		ug/L		96	72 - 148
Vinyl chloride	<0.180		50.0	45.43		ug/L		91	56 - 129
Xylenes, Total	11.3		100	118.0		ug/L		107	74 - 141

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37783-B-1 MS**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
Toluene-d8 (Surr)	106		70 - 130

**Lab Sample ID: 490-37783-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Acetone	5.75		250	244.8		ug/L		96	45 - 141	4	21
Benzene	<0.200		50.0	50.72		ug/L		101	75 - 133	1	17
Bromochloromethane	<0.150		50.0	51.30		ug/L		103	67 - 139	3	17
Bromodichloromethane	<0.170		50.0	53.90		ug/L		108	70 - 140	2	18
Bromoform	<0.290		50.0	54.66		ug/L		109	42 - 147	7	16
Bromomethane	<0.350		50.0	45.49		ug/L		91	16 - 163	21	50
2-Butanone (MEK)	<2.64		250	243.2		ug/L		97	50 - 138	4	19
Carbon disulfide	<0.220		50.0	46.81		ug/L		94	48 - 152	5	21
Carbon tetrachloride	<0.180		50.0	49.68		ug/L		99	62 - 164	2	19
Chlorobenzene	<0.180		50.0	49.40		ug/L		99	80 - 129	1	14
Chlorodibromomethane	<0.250		50.0	53.77		ug/L		108	66 - 140	3	15
Chloroethane	<0.360		50.0	52.21		ug/L		104	58 - 137	6	20
Chloroform	<0.230		50.0	52.58		ug/L		105	66 - 138	0	18
Chloromethane	<0.360		50.0	42.47		ug/L		85	10 - 169	2	31
cis-1,2-Dichloroethene	<0.210		50.0	53.55		ug/L		107	68 - 138	5	17
cis-1,3-Dichloropropene	<0.170		50.0	51.44		ug/L		103	71 - 141	2	15
Cyclohexane	<0.220		50.0	48.50		ug/L		97	58 - 144	0	16
1,2-Dibromo-3-Chloropropane	<0.940		50.0	48.28		ug/L		97	52 - 126	3	24
1,2-Dibromoethane (EDB)	<0.210		50.0	50.10		ug/L		100	75 - 137	1	15
1,2-Dichlorobenzene	<0.190		50.0	50.39		ug/L		101	79 - 128	5	15
1,3-Dichlorobenzene	<0.180		50.0	49.77		ug/L		100	77 - 131	4	15
1,4-Dichlorobenzene	<0.170		50.0	50.01		ug/L		100	78 - 126	4	15
Dichlorodifluoromethane	<0.170		50.0	46.34		ug/L		93	40 - 127	1	18
1,1-Dichloroethane	<0.240		50.0	51.15		ug/L		102	71 - 139	2	17
1,2-Dichloroethane	<0.200		50.0	52.91		ug/L		106	64 - 136	0	17
1,1-Dichloroethene	<0.250		50.0	50.20		ug/L		100	70 - 142	7	17
1,2-Dichloropropane	<0.250		50.0	53.56		ug/L		107	67 - 131	3	17
Ethylbenzene	1.73		50.0	52.99		ug/L		103	79 - 139	1	15
2-Hexanone	<1.28		250	268.3		ug/L		107	50 - 150	1	15
Isopropylbenzene	<0.330		50.0	53.18		ug/L		106	80 - 153	4	16
Methyl acetate	<0.720		250	252.4		ug/L		101	30 - 165	3	31
Methylcyclohexane	<0.200		50.0	49.42		ug/L		99	59 - 151	5	19
Methylene Chloride	<0.220		50.0	46.99		ug/L		94	64 - 139	8	17
4-Methyl-2-pentanone (MIBK)	<0.810		250	268.9		ug/L		108	50 - 147	3	17
Methyl tert-butyl ether	4.51		50.0	53.40		ug/L		98	66 - 141	6	16
Styrene	<0.280		50.0	54.51		ug/L		109	61 - 148	6	24
1,1,1,2-Tetrachloroethane	<0.190		50.0	50.63		ug/L		101	56 - 143	7	20
Tetrachloroethene	<0.140		50.0	48.94		ug/L		98	72 - 145	3	16

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37783-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 114468**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Toluene	7.32		50.0	59.04		ug/L		103	75 - 136	3	15
trans-1,2-Dichloroethene	<0.230		50.0	50.56		ug/L		101	66 - 143	3	16
trans-1,3-Dichloropropene	<0.170		50.0	51.99		ug/L		104	59 - 135	1	14
1,2,3-Trichlorobenzene	<0.230		50.0	49.00		ug/L		98	55 - 138	1	25
1,2,4-Trichlorobenzene	<0.200		50.0	49.37		ug/L		99	60 - 136	4	19
1,1,1-Trichloroethane	<0.190		50.0	52.30		ug/L		105	76 - 149	3	17
1,1,2-Trichloroethane	<0.190		50.0	51.42		ug/L		103	74 - 134	1	15
Trichloroethene	<0.200		50.0	52.23		ug/L		104	73 - 144	5	17
Trichlorofluoromethane	<0.210		50.0	54.68		ug/L		109	58 - 139	4	18
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	50.76		ug/L		102	72 - 148	5	18
Vinyl chloride	<0.180		50.0	45.93		ug/L		92	56 - 129	1	17
Xylenes, Total	11.3		100	114.6		ug/L		103	74 - 141	3	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	111		70 - 130
Toluene-d8 (Surr)	101		70 - 130

**Lab Sample ID: MB 490-114976/7**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0400		0.0500	0.0400	mg/Kg			10/17/13 12:59	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/17/13 12:59	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/17/13 12:59	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			10/17/13 12:59	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			10/17/13 12:59	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			10/17/13 12:59	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			10/17/13 12:59	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			10/17/13 12:59	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			10/17/13 12:59	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/17/13 12:59	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			10/17/13 12:59	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			10/17/13 12:59	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			10/17/13 12:59	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/17/13 12:59	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114976/7**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			10/17/13 12:59	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			10/17/13 12:59	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			10/17/13 12:59	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			10/17/13 12:59	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			10/17/13 12:59	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/17/13 12:59	1
Methylene Chloride	<0.000860		0.0100	0.000860	mg/Kg			10/17/13 12:59	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			10/17/13 12:59	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			10/17/13 12:59	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			10/17/13 12:59	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			10/17/13 12:59	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			10/17/13 12:59	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			10/17/13 12:59	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			10/17/13 12:59	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/17/13 12:59	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			10/17/13 12:59	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			10/17/13 12:59	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			10/17/13 12:59	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/17/13 12:59	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			10/17/13 12:59	1
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			10/17/13 12:59	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			10/17/13 12:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130		10/17/13 12:59	1
Dibromofluoromethane (Surr)	101		70 - 130		10/17/13 12:59	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		10/17/13 12:59	1
Toluene-d8 (Surr)	94		70 - 130		10/17/13 12:59	1

**Lab Sample ID: LCS 490-114976/3**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2820		mg/Kg		113	51 - 149
Benzene	0.0500	0.05101		mg/Kg		102	75 - 127
Bromochloromethane	0.0500	0.05750		mg/Kg		115	70 - 132
Bromodichloromethane	0.0500	0.06200		mg/Kg		124	68 - 135
Bromoform	0.0500	0.06738	E	mg/Kg		135	36 - 150
Bromomethane	0.0500	0.05168		mg/Kg		103	43 - 142
2-Butanone (MEK)	0.250	0.2854		mg/Kg		114	61 - 132
Carbon disulfide	0.0500	0.05425		mg/Kg		109	74 - 135
Carbon tetrachloride	0.0500	0.05793		mg/Kg		116	70 - 141

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114976/3**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	0.0500	0.05293		mg/Kg		106	84 - 125
Chlorodibromomethane	0.0500	0.06193	E	mg/Kg		124	66 - 134
Chloroethane	0.0500	0.04841		mg/Kg		97	53 - 144
Chloroform	0.0500	0.04933		mg/Kg		99	76 - 130
Chloromethane	0.0500	0.05246		mg/Kg		105	23 - 150
cis-1,2-Dichloroethene	0.0500	0.05248		mg/Kg		105	75 - 125
cis-1,3-Dichloropropene	0.0500	0.04709		mg/Kg		94	73 - 148
Cyclohexane	0.0500	0.05432		mg/Kg		109	70 - 133
1,2-Dibromo-3-Chloropropane	0.0500	0.05352		mg/Kg		107	49 - 142
1,2-Dibromoethane (EDB)	0.0500	0.05607		mg/Kg		112	80 - 135
1,2-Dichlorobenzene	0.0500	0.05660		mg/Kg		113	80 - 134
1,3-Dichlorobenzene	0.0500	0.05662		mg/Kg		113	79 - 137
1,4-Dichlorobenzene	0.0500	0.05374		mg/Kg		107	77 - 139
Dichlorodifluoromethane	0.0500	0.04837		mg/Kg		97	12 - 144
1,1-Dichloroethane	0.0500	0.05237		mg/Kg		105	75 - 124
1,2-Dichloroethane	0.0500	0.04738		mg/Kg		95	65 - 134
1,1-Dichloroethene	0.0500	0.05027		mg/Kg		101	75 - 131
1,2-Dichloropropane	0.0500	0.05489		mg/Kg		110	69 - 120
Ethylbenzene	0.0500	0.05088		mg/Kg		102	80 - 134
2-Hexanone	0.250	0.2963		mg/Kg		119	57 - 148
Isopropylbenzene	0.0500	0.05571		mg/Kg		111	80 - 150
Methyl acetate	0.250	0.4029		mg/Kg		161	11 - 170
Methylcyclohexane	0.0500	0.05306		mg/Kg		106	69 - 140
Methylene Chloride	0.0500	0.04852		mg/Kg		97	68 - 144
4-Methyl-2-pentanone (MIBK)	0.250	0.2622		mg/Kg		105	59 - 138
Methyl tert-butyl ether	0.0500	0.06396		mg/Kg		128	70 - 136
Styrene	0.0500	0.05664		mg/Kg		113	82 - 137
1,1,2,2-Tetrachloroethane	0.0500	0.05466		mg/Kg		109	66 - 134
Tetrachloroethene	0.0500	0.04985		mg/Kg		100	78 - 140
Toluene	0.0500	0.04519		mg/Kg		90	80 - 132
trans-1,2-Dichloroethene	0.0500	0.05084		mg/Kg		102	76 - 128
trans-1,3-Dichloropropene	0.0500	0.05066		mg/Kg		101	62 - 139
1,2,3-Trichlorobenzene	0.0500	0.06634		mg/Kg		133	70 - 150
1,2,4-Trichlorobenzene	0.0500	0.06228		mg/Kg		125	62 - 150
1,1,1-Trichloroethane	0.0500	0.05366		mg/Kg		107	72 - 140
1,1,2-Trichloroethane	0.0500	0.05037		mg/Kg		101	78 - 128
Trichloroethene	0.0500	0.05783		mg/Kg		116	77 - 127
Trichlorofluoromethane	0.0500	0.04959		mg/Kg		99	50 - 140
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.05179		mg/Kg		104	67 - 136
Vinyl chloride	0.0500	0.05136		mg/Kg		103	47 - 136
Xylenes, Total	0.100	0.1034		mg/Kg		103	80 - 137

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
Toluene-d8 (Surr)	88		70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-114976/4**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD
									Limit
Acetone	0.250	0.2854		mg/Kg		114	51 - 149	1	50
Benzene	0.0500	0.04885		mg/Kg		98	75 - 127	4	50
Bromochloromethane	0.0500	0.05564		mg/Kg		111	70 - 132	3	50
Bromodichloromethane	0.0500	0.05804		mg/Kg		116	68 - 135	7	50
Bromoform	0.0500	0.06600	E	mg/Kg		132	36 - 150	2	50
Bromomethane	0.0500	0.05041		mg/Kg		101	43 - 142	2	50
2-Butanone (MEK)	0.250	0.2886		mg/Kg		115	61 - 132	1	50
Carbon disulfide	0.0500	0.05191		mg/Kg		104	74 - 135	4	50
Carbon tetrachloride	0.0500	0.05399		mg/Kg		108	70 - 141	7	50
Chlorobenzene	0.0500	0.05074		mg/Kg		101	84 - 125	4	50
Chlorodibromomethane	0.0500	0.06110	E	mg/Kg		122	66 - 134	1	50
Chloroethane	0.0500	0.04879		mg/Kg		98	53 - 144	1	50
Chloroform	0.0500	0.04762		mg/Kg		95	76 - 130	4	49
Chloromethane	0.0500	0.04858		mg/Kg		97	23 - 150	8	50
cis-1,2-Dichloroethene	0.0500	0.05012		mg/Kg		100	75 - 125	5	50
cis-1,3-Dichloropropene	0.0500	0.05368		mg/Kg		107	73 - 148	13	50
Cyclohexane	0.0500	0.05046		mg/Kg		101	70 - 133	7	50
1,2-Dibromo-3-Chloropropane	0.0500	0.05276		mg/Kg		106	49 - 142	1	50
1,2-Dibromoethane (EDB)	0.0500	0.05459		mg/Kg		109	80 - 135	3	50
1,2-Dichlorobenzene	0.0500	0.05261		mg/Kg		105	80 - 134	7	50
1,3-Dichlorobenzene	0.0500	0.05325		mg/Kg		106	79 - 137	6	50
1,4-Dichlorobenzene	0.0500	0.04954		mg/Kg		99	77 - 139	8	50
Dichlorodifluoromethane	0.0500	0.04621		mg/Kg		92	12 - 144	5	50
1,1-Dichloroethane	0.0500	0.05052		mg/Kg		101	75 - 124	4	50
1,2-Dichloroethane	0.0500	0.04530		mg/Kg		91	65 - 134	4	50
1,1-Dichloroethene	0.0500	0.05132		mg/Kg		103	75 - 131	2	50
1,2-Dichloropropane	0.0500	0.05197		mg/Kg		104	69 - 120	5	50
Ethylbenzene	0.0500	0.04903		mg/Kg		98	80 - 134	4	50
2-Hexanone	0.250	0.2928		mg/Kg		117	57 - 148	1	50
Isopropylbenzene	0.0500	0.05236		mg/Kg		105	80 - 150	6	50
Methyl acetate	0.250	0.3731		mg/Kg		149	11 - 170	8	50
Methylcyclohexane	0.0500	0.04932		mg/Kg		99	69 - 140	7	50
Methylene Chloride	0.0500	0.04670		mg/Kg		93	68 - 144	4	50
4-Methyl-2-pentanone (MIBK)	0.250	0.2854		mg/Kg		114	59 - 138	8	50
Methyl tert-butyl ether	0.0500	0.06165		mg/Kg		123	70 - 136	4	50
Styrene	0.0500	0.05416		mg/Kg		108	82 - 137	4	50
1,1,2,2-Tetrachloroethane	0.0500	0.05297		mg/Kg		106	66 - 134	3	50
Tetrachloroethene	0.0500	0.04762		mg/Kg		95	78 - 140	5	50
Toluene	0.0500	0.04588		mg/Kg		92	80 - 132	2	50
trans-1,2-Dichloroethene	0.0500	0.05049		mg/Kg		101	76 - 128	1	50
trans-1,3-Dichloropropene	0.0500	0.05019		mg/Kg		100	62 - 139	1	50
1,2,3-Trichlorobenzene	0.0500	0.06055		mg/Kg		121	70 - 150	9	50
1,2,4-Trichlorobenzene	0.0500	0.05628		mg/Kg		113	62 - 150	10	50
1,1,1-Trichloroethane	0.0500	0.05005		mg/Kg		100	72 - 140	7	50
1,1,2-Trichloroethane	0.0500	0.04833		mg/Kg		97	78 - 128	4	50
Trichloroethene	0.0500	0.05466		mg/Kg		109	77 - 127	6	50
Trichlorofluoromethane	0.0500	0.04528		mg/Kg		91	50 - 140	9	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-114976/4**

**Matrix: Solid**

**Analysis Batch: 114976**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.04917		mg/Kg		98	67 - 136	5	50
Vinyl chloride	0.0500	0.05079		mg/Kg		102	47 - 136	1	50
Xylenes, Total	0.100	0.09908		mg/Kg		99	80 - 137	4	50

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
Toluene-d8 (Surr)	93		70 - 130

**Lab Sample ID: MB 490-115040/7**

**Matrix: Water**

**Analysis Batch: 115040**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/17/13 13:51	1
Benzene	<0.200		1.00	0.200	ug/L			10/17/13 13:51	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/17/13 13:51	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/17/13 13:51	1
Bromoform	<0.290		1.00	0.290	ug/L			10/17/13 13:51	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/17/13 13:51	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/17/13 13:51	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/17/13 13:51	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/17/13 13:51	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/17/13 13:51	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/17/13 13:51	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/17/13 13:51	1
Chloroform	<0.230		1.00	0.230	ug/L			10/17/13 13:51	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/17/13 13:51	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/17/13 13:51	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/17/13 13:51	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/17/13 13:51	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/17/13 13:51	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/17/13 13:51	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/17/13 13:51	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/17/13 13:51	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/17/13 13:51	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/17/13 13:51	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/17/13 13:51	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/17/13 13:51	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/17/13 13:51	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/17/13 13:51	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/17/13 13:51	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/17/13 13:51	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/17/13 13:51	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/17/13 13:51	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/17/13 13:51	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-115040/7**

**Matrix: Water**

**Analysis Batch: 115040**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/17/13 13:51	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/17/13 13:51	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/17/13 13:51	1
Styrene	<0.280		1.00	0.280	ug/L			10/17/13 13:51	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/17/13 13:51	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/17/13 13:51	1
Toluene	<0.170		1.00	0.170	ug/L			10/17/13 13:51	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/17/13 13:51	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/17/13 13:51	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/17/13 13:51	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/17/13 13:51	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/17/13 13:51	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/17/13 13:51	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/17/13 13:51	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/17/13 13:51	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/17/13 13:51	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/17/13 13:51	1
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/17/13 13:51	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		70 - 130		10/17/13 13:51	1
Dibromofluoromethane (Surr)	104		70 - 130		10/17/13 13:51	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 130		10/17/13 13:51	1
Toluene-d8 (Surr)	104		70 - 130		10/17/13 13:51	1

**Lab Sample ID: LCS 490-115040/3**

**Matrix: Water**

**Analysis Batch: 115040**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Acetone	250	237.8		ug/L		95	54 - 145
Benzene	50.0	51.21		ug/L		102	80 - 121
Bromochloromethane	50.0	53.38		ug/L		107	78 - 129
Bromodichloromethane	50.0	52.98		ug/L		106	75 - 129
Bromoform	50.0	59.14		ug/L		118	46 - 145
Bromomethane	50.0	49.08		ug/L		98	41 - 150
2-Butanone (MEK)	250	251.1		ug/L		100	62 - 133
Carbon disulfide	50.0	54.64		ug/L		109	77 - 126
Carbon tetrachloride	50.0	47.58		ug/L		95	64 - 147
Chlorobenzene	50.0	50.45		ug/L		101	80 - 120
Chlorodibromomethane	50.0	53.93		ug/L		108	69 - 133
Chloroethane	50.0	53.24		ug/L		106	72 - 120
Chloroform	50.0	53.90		ug/L		108	73 - 129
Chloromethane	50.0	45.64		ug/L		91	12 - 150
cis-1,2-Dichloroethene	50.0	52.82		ug/L		106	76 - 125
cis-1,3-Dichloropropene	50.0	53.14		ug/L		106	74 - 140
Cyclohexane	50.0	50.29		ug/L		101	73 - 122
1,2-Dibromo-3-Chloropropane	50.0	54.46		ug/L		109	54 - 125

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-115040/3**

**Matrix: Water**

**Analysis Batch: 115040**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	50.0	50.08		ug/L		100	80 - 129
1,2-Dichlorobenzene	50.0	52.00		ug/L		104	80 - 121
1,3-Dichlorobenzene	50.0	52.09		ug/L		104	80 - 122
1,4-Dichlorobenzene	50.0	51.50		ug/L		103	80 - 120
Dichlorodifluoromethane	50.0	53.67		ug/L		107	37 - 127
1,1-Dichloroethane	50.0	51.27		ug/L		103	78 - 125
1,2-Dichloroethane	50.0	52.31		ug/L		105	77 - 121
1,1-Dichloroethene	50.0	51.64		ug/L		103	79 - 124
1,2-Dichloropropane	50.0	51.38		ug/L		103	75 - 120
Ethylbenzene	50.0	52.41		ug/L		105	80 - 130
2-Hexanone	250	244.4		ug/L		98	60 - 142
Isopropylbenzene	50.0	53.67		ug/L		107	80 - 141
Methyl acetate	250	265.9		ug/L		106	64 - 150
Methylcyclohexane	50.0	49.36		ug/L		99	71 - 129
Methylene Chloride	50.0	48.69		ug/L		97	79 - 123
4-Methyl-2-pentanone (MIBK)	250	270.4		ug/L		108	60 - 137
Methyl tert-butyl ether	50.0	49.93		ug/L		100	72 - 133
Styrene	50.0	55.77		ug/L		112	80 - 127
1,1,2,2-Tetrachloroethane	50.0	53.98		ug/L		108	69 - 131
Tetrachloroethene	50.0	49.91		ug/L		100	80 - 126
Toluene	50.0	54.26		ug/L		109	80 - 126
trans-1,2-Dichloroethene	50.0	52.76		ug/L		106	79 - 126
trans-1,3-Dichloropropene	50.0	52.99		ug/L		106	63 - 134
1,2,3-Trichlorobenzene	50.0	54.58		ug/L		109	62 - 133
1,2,4-Trichlorobenzene	50.0	54.65		ug/L		109	63 - 133
1,1,1-Trichloroethane	50.0	52.05		ug/L		104	78 - 135
1,1,2-Trichloroethane	50.0	51.84		ug/L		104	80 - 124
Trichloroethene	50.0	51.56		ug/L		103	80 - 123
Trichlorofluoromethane	50.0	54.43		ug/L		109	65 - 124
1,1,2-Trichloro-1,2,2-trichloroethane	50.0	49.96		ug/L		100	77 - 129
Vinyl chloride	50.0	49.20		ug/L		98	68 - 120
Xylenes, Total	100	104.2		ug/L		104	80 - 132

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
Toluene-d8 (Surr)	104		70 - 130

**Lab Sample ID: LCSD 490-115040/4**

**Matrix: Water**

**Analysis Batch: 115040**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Acetone	250	239.1		ug/L		96	54 - 145	1	21
Benzene	50.0	51.89		ug/L		104	80 - 121	1	17
Bromochloromethane	50.0	52.57		ug/L		105	78 - 129	2	17

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-115040/4**

**Matrix: Water**

**Analysis Batch: 115040**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
Bromodichloromethane	50.0	53.70		ug/L		107	75 - 129	1	18
Bromoform	50.0	58.32		ug/L		117	46 - 145	1	16
Bromomethane	50.0	52.17		ug/L		104	41 - 150	6	50
2-Butanone (MEK)	250	247.4		ug/L		99	62 - 133	2	19
Carbon disulfide	50.0	53.67		ug/L		107	77 - 126	2	21
Carbon tetrachloride	50.0	47.04		ug/L		94	64 - 147	1	19
Chlorobenzene	50.0	51.43		ug/L		103	80 - 120	2	14
Chlorodibromomethane	50.0	55.50		ug/L		111	69 - 133	3	15
Chloroethane	50.0	52.81		ug/L		106	72 - 120	1	20
Chloroform	50.0	52.80		ug/L		106	73 - 129	2	18
Chloromethane	50.0	45.75		ug/L		91	12 - 150	0	31
cis-1,2-Dichloroethene	50.0	54.55		ug/L		109	76 - 125	3	17
cis-1,3-Dichloropropene	50.0	55.62		ug/L		111	74 - 140	5	15
Cyclohexane	50.0	51.74		ug/L		103	73 - 122	3	16
1,2-Dibromo-3-Chloropropane	50.0	56.42		ug/L		113	54 - 125	4	24
1,2-Dibromoethane (EDB)	50.0	50.30		ug/L		101	80 - 129	0	15
1,2-Dichlorobenzene	50.0	52.56		ug/L		105	80 - 121	1	15
1,3-Dichlorobenzene	50.0	53.23		ug/L		106	80 - 122	2	15
1,4-Dichlorobenzene	50.0	52.94		ug/L		106	80 - 120	3	15
Dichlorodifluoromethane	50.0	52.60		ug/L		105	37 - 127	2	18
1,1-Dichloroethane	50.0	51.57		ug/L		103	78 - 125	1	17
1,2-Dichloroethane	50.0	53.72		ug/L		107	77 - 121	3	17
1,1-Dichloroethene	50.0	51.66		ug/L		103	79 - 124	0	17
1,2-Dichloropropane	50.0	54.24		ug/L		108	75 - 120	5	17
Ethylbenzene	50.0	52.55		ug/L		105	80 - 130	0	15
2-Hexanone	250	259.0		ug/L		104	60 - 142	6	15
Isopropylbenzene	50.0	53.16		ug/L		106	80 - 141	1	16
Methyl acetate	250	268.0		ug/L		107	64 - 150	1	31
Methylcyclohexane	50.0	52.13		ug/L		104	71 - 129	5	19
Methylene Chloride	50.0	47.70		ug/L		95	79 - 123	2	17
4-Methyl-2-pentanone (MIBK)	250	284.0		ug/L		114	60 - 137	5	17
Methyl tert-butyl ether	50.0	49.79		ug/L		100	72 - 133	0	16
Styrene	50.0	55.77		ug/L		112	80 - 127	0	24
1,1,1,2-Tetrachloroethane	50.0	53.60		ug/L		107	69 - 131	1	20
Tetrachloroethene	50.0	51.91		ug/L		104	80 - 126	4	16
Toluene	50.0	54.36		ug/L		109	80 - 126	0	15
trans-1,2-Dichloroethene	50.0	52.39		ug/L		105	79 - 126	1	16
trans-1,3-Dichloropropene	50.0	55.01		ug/L		110	63 - 134	4	14
1,2,3-Trichlorobenzene	50.0	54.77		ug/L		110	62 - 133	0	25
1,2,4-Trichlorobenzene	50.0	55.65		ug/L		111	63 - 133	2	19
1,1,1-Trichloroethane	50.0	53.05		ug/L		106	78 - 135	2	17
1,1,2-Trichloroethane	50.0	53.90		ug/L		108	80 - 124	4	15
Trichloroethene	50.0	52.87		ug/L		106	80 - 123	2	17
Trichlorofluoromethane	50.0	53.33		ug/L		107	65 - 124	2	18
1,1,2-Trichloro-1,2,2-trichlorofluoroethane	50.0	50.57		ug/L		101	77 - 129	1	18
Vinyl chloride	50.0	48.22		ug/L		96	68 - 120	2	17
Xylenes, Total	100	105.5		ug/L		106	80 - 132	1	15

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-115040/4**

**Matrix: Water**

**Analysis Batch: 115040**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	106		70 - 130
Toluene-d8 (Surr)	107		70 - 130

**Lab Sample ID: 490-37615-B-1 MS**

**Matrix: Water**

**Analysis Batch: 115040**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Acetone	<2.66		250	242.7		ug/L		97	45 - 141
Benzene	0.554	J	50.0	52.29		ug/L		103	75 - 133
Bromochloromethane	<0.150		50.0	50.46		ug/L		101	67 - 139
Bromodichloromethane	<0.170		50.0	54.72		ug/L		109	70 - 140
Bromoform	<0.290		50.0	59.69		ug/L		119	42 - 147
Bromomethane	<0.350		50.0	40.70		ug/L		81	16 - 163
2-Butanone (MEK)	<2.64		250	236.7		ug/L		95	50 - 138
Carbon disulfide	<0.220		50.0	51.99		ug/L		104	48 - 152
Carbon tetrachloride	<0.180		50.0	55.11		ug/L		110	62 - 164
Chlorobenzene	<0.180		50.0	52.90		ug/L		106	80 - 129
Chlorodibromomethane	<0.250		50.0	54.95		ug/L		110	66 - 140
Chloroethane	<0.360		50.0	53.40		ug/L		107	58 - 137
Chloroform	<0.230		50.0	55.06		ug/L		110	66 - 138
Chloromethane	<0.360		50.0	46.35		ug/L		93	10 - 169
cis-1,2-Dichloroethene	<0.210		50.0	54.20		ug/L		108	68 - 138
cis-1,3-Dichloropropene	<0.170		50.0	54.54		ug/L		109	71 - 141
Cyclohexane	<0.220		50.0	52.97		ug/L		106	58 - 144
1,2-Dibromo-3-Chloropropane	<0.940		50.0	49.34		ug/L		99	52 - 126
1,2-Dibromoethane (EDB)	<0.210		50.0	49.93		ug/L		100	75 - 137
1,2-Dichlorobenzene	<0.190		50.0	51.84		ug/L		104	79 - 128
1,3-Dichlorobenzene	<0.180		50.0	52.67		ug/L		105	77 - 131
1,4-Dichlorobenzene	<0.170		50.0	51.81		ug/L		104	78 - 126
Dichlorodifluoromethane	<0.170		50.0	54.34		ug/L		109	40 - 127
1,1-Dichloroethane	<0.240		50.0	52.49		ug/L		105	71 - 139
1,2-Dichloroethane	8.51		50.0	63.43		ug/L		110	64 - 136
1,1-Dichloroethene	<0.250		50.0	51.56		ug/L		103	70 - 142
1,2-Dichloropropane	<0.250		50.0	52.56		ug/L		105	67 - 131
Ethylbenzene	0.192	J	50.0	55.19		ug/L		110	79 - 139
2-Hexanone	<1.28		250	272.8		ug/L		109	50 - 150
Isopropylbenzene	<0.330		50.0	56.86		ug/L		114	80 - 153
Methyl acetate	<0.720		250	251.7		ug/L		101	30 - 165
Methylcyclohexane	<0.200		50.0	48.73		ug/L		97	59 - 151
Methylene Chloride	<0.220		50.0	47.17		ug/L		94	64 - 139
4-Methyl-2-pentanone (MIBK)	<0.810		250	282.1		ug/L		113	50 - 147
Methyl tert-butyl ether	58.5		50.0	109.2		ug/L		102	66 - 141
Styrene	<0.280		50.0	59.40		ug/L		119	61 - 148
1,1,1,2-Tetrachloroethane	<0.190		50.0	53.30		ug/L		107	56 - 143
Tetrachloroethene	<0.140		50.0	52.70		ug/L		105	72 - 145

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37615-B-1 MS**

**Client Sample ID: Matrix Spike**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 115040**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Toluene	<0.170		50.0	56.69		ug/L		113	75 - 136
trans-1,2-Dichloroethene	<0.230		50.0	54.52		ug/L		109	66 - 143
trans-1,3-Dichloropropene	<0.170		50.0	54.64		ug/L		109	59 - 135
1,2,3-Trichlorobenzene	<0.230		50.0	49.84		ug/L		100	55 - 138
1,2,4-Trichlorobenzene	<0.200		50.0	50.13		ug/L		100	60 - 136
1,1,1-Trichloroethane	<0.190		50.0	55.80		ug/L		112	76 - 149
1,1,2-Trichloroethane	<0.190		50.0	53.72		ug/L		107	74 - 134
Trichloroethene	<0.200		50.0	52.01		ug/L		104	73 - 144
Trichlorofluoromethane	<0.210		50.0	58.40		ug/L		117	58 - 139
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	52.06		ug/L		104	72 - 148
Vinyl chloride	<0.180		50.0	50.59		ug/L		101	56 - 129
Xylenes, Total	<0.380		100	110.4		ug/L		110	74 - 141

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	111		70 - 130
Toluene-d8 (Surr)	108		70 - 130

**Lab Sample ID: 490-37615-C-1 MSD**

**Client Sample ID: Matrix Spike Duplicate**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 115040**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	<2.66		250	234.0		ug/L		94	45 - 141	4	21
Benzene	0.554	J	50.0	53.48		ug/L		106	75 - 133	2	17
Bromochloromethane	<0.150		50.0	50.80		ug/L		102	67 - 139	1	17
Bromodichloromethane	<0.170		50.0	54.75		ug/L		109	70 - 140	0	18
Bromoform	<0.290		50.0	58.86		ug/L		118	42 - 147	1	16
Bromomethane	<0.350		50.0	48.77		ug/L		98	16 - 163	18	50
2-Butanone (MEK)	<2.64		250	239.2		ug/L		96	50 - 138	1	19
Carbon disulfide	<0.220		50.0	51.66		ug/L		103	48 - 152	1	21
Carbon tetrachloride	<0.180		50.0	55.09		ug/L		110	62 - 164	0	19
Chlorobenzene	<0.180		50.0	52.10		ug/L		104	80 - 129	2	14
Chlorodibromomethane	<0.250		50.0	56.36		ug/L		113	66 - 140	3	15
Chloroethane	<0.360		50.0	54.25		ug/L		108	58 - 137	2	20
Chloroform	<0.230		50.0	53.79		ug/L		108	66 - 138	2	18
Chloromethane	<0.360		50.0	46.74		ug/L		93	10 - 169	1	31
cis-1,2-Dichloroethene	<0.210		50.0	55.95		ug/L		112	68 - 138	3	17
cis-1,3-Dichloropropene	<0.170		50.0	55.02		ug/L		110	71 - 141	1	15
Cyclohexane	<0.220		50.0	53.11		ug/L		106	58 - 144	0	16
1,2-Dibromo-3-Chloropropane	<0.940		50.0	49.84		ug/L		100	52 - 126	1	24
1,2-Dibromoethane (EDB)	<0.210		50.0	50.67		ug/L		101	75 - 137	1	15
1,2-Dichlorobenzene	<0.190		50.0	53.21		ug/L		106	79 - 128	3	15
1,3-Dichlorobenzene	<0.180		50.0	54.29		ug/L		109	77 - 131	3	15
1,4-Dichlorobenzene	<0.170		50.0	54.01		ug/L		108	78 - 126	4	15
Dichlorodifluoromethane	<0.170		50.0	53.17		ug/L		106	40 - 127	2	18

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37615-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 115040**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,1-Dichloroethane	<0.240		50.0	51.37		ug/L		103	71 - 139	2	17
1,2-Dichloroethane	8.51		50.0	63.14		ug/L		109	64 - 136	0	17
1,1-Dichloroethene	<0.250		50.0	52.22		ug/L		104	70 - 142	1	17
1,2-Dichloropropane	<0.250		50.0	53.75		ug/L		107	67 - 131	2	17
Ethylbenzene	0.192	J	50.0	54.73		ug/L		109	79 - 139	1	15
2-Hexanone	<1.28		250	276.0		ug/L		110	50 - 150	1	15
Isopropylbenzene	<0.330		50.0	56.38		ug/L		113	80 - 153	1	16
Methyl acetate	<0.720		250	242.6		ug/L		97	30 - 165	4	31
Methylcyclohexane	<0.200		50.0	50.23		ug/L		100	59 - 151	3	19
Methylene Chloride	<0.220		50.0	46.94		ug/L		94	64 - 139	0	17
4-Methyl-2-pentanone (MIBK)	<0.810		250	277.3		ug/L		111	50 - 147	2	17
Methyl tert-butyl ether	58.5		50.0	109.3		ug/L		102	66 - 141	0	16
Styrene	<0.280		50.0	57.61		ug/L		115	61 - 148	3	24
1,1,2,2-Tetrachloroethane	<0.190		50.0	53.53		ug/L		107	56 - 143	0	20
Tetrachloroethene	<0.140		50.0	52.11		ug/L		104	72 - 145	1	16
Toluene	<0.170		50.0	56.31		ug/L		113	75 - 136	1	15
trans-1,2-Dichloroethene	<0.230		50.0	53.25		ug/L		106	66 - 143	2	16
trans-1,3-Dichloropropene	<0.170		50.0	55.54		ug/L		111	59 - 135	2	14
1,2,3-Trichlorobenzene	<0.230		50.0	50.95		ug/L		102	55 - 138	2	25
1,2,4-Trichlorobenzene	<0.200		50.0	51.54		ug/L		103	60 - 136	3	19
1,1,1-Trichloroethane	<0.190		50.0	54.68		ug/L		109	76 - 149	2	17
1,1,2-Trichloroethane	<0.190		50.0	53.36		ug/L		107	74 - 134	1	15
Trichloroethene	<0.200		50.0	52.58		ug/L		105	73 - 144	1	17
Trichlorofluoromethane	<0.210		50.0	57.62		ug/L		115	58 - 139	1	18
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	51.89		ug/L		104	72 - 148	0	18
Vinyl chloride	<0.180		50.0	51.62		ug/L		103	56 - 129	2	17
Xylenes, Total	<0.380		100	108.3		ug/L		108	74 - 141	2	15

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	108		70 - 130
Toluene-d8 (Surr)	105		70 - 130

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-114675/1-A**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0100		0.0670	0.0100	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Acenaphthylene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Acetophenone	<0.0700		0.333	0.0700	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Anthracene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Atrazine	<0.167		0.333	0.167	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Benzaldehyde	<0.286		1.67	0.286	mg/Kg		10/16/13 08:57	10/17/13 20:31	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114675/1-A**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzo[a]anthracene	<0.0150		0.0670	0.0150	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Benzo[a]pyrene	<0.0120		0.0670	0.0120	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Benzo[b]fluoranthene	<0.0120		0.0670	0.0120	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Benzo[g,h,i]perylene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Benzo[k]fluoranthene	<0.0140		0.0670	0.0140	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Biphenyl	<0.104		0.333	0.104	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Bis(2-chloroethoxy)methane	<0.0120		0.333	0.0120	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Bis(2-chloroethyl)ether	<0.0200		0.333	0.0200	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
bis (2-chloroisopropyl) ether	<0.134		0.333	0.134	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Bis(2-ethylhexyl) phthalate	0.03650	J	0.333	0.0130	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4-Bromophenyl phenyl ether	<0.0170		0.333	0.0170	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Butyl benzyl phthalate	<0.0160		0.333	0.0160	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Caprolactam	<0.108		0.333	0.108	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Carbazole	<0.00700		0.333	0.00700	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4-Chloroaniline	<0.166		0.333	0.166	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4-Chloro-3-methylphenol	<0.0160		0.333	0.0160	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2-Chloronaphthalene	<0.0170		0.333	0.0170	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2-Chlorophenol	<0.0150		0.333	0.0150	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4-Chlorophenyl phenyl ether	<0.0240		0.333	0.0240	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Chrysene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Dibenz(a,h)anthracene	<0.00700		0.0670	0.00700	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Dibenzofuran	<0.0130		0.333	0.0130	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
3,3'-Dichlorobenzidine	<0.133		0.667	0.133	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,4-Dichlorophenol	<0.0170		0.333	0.0170	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Diethyl phthalate	<0.0140		0.333	0.0140	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Dimethyl phthalate	<0.00800		1.67	0.00800	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Di-n-butyl phthalate	<0.0130		0.333	0.0130	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4,6-Dinitro-2-methylphenol	<0.103		0.333	0.103	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,4-Dinitrophenol	<0.110		0.333	0.110	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,4-Dinitrotoluene	<0.00900		0.333	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,6-Dinitrotoluene	<0.0310		0.333	0.0310	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Di-n-octyl phthalate	<0.0130		0.333	0.0130	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Fluoranthene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Fluorene	<0.0120		0.0670	0.0120	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Hexachlorobenzene	<0.0290		0.333	0.0290	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Hexachlorobutadiene	<0.0700		0.333	0.0700	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Hexachlorocyclopentadiene	<0.0160		0.333	0.0160	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Hexachloroethane	<0.0200		0.333	0.0200	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Indeno[1,2,3-cd]pyrene	<0.0100		0.0670	0.0100	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Isophorone	<0.0590		0.333	0.0590	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2-Methylnaphthalene	<0.0160		0.0670	0.0160	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2-Methylphenol	<0.0930		0.333	0.0930	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
3 & 4 Methylphenol	<0.0200		0.333	0.0200	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Naphthalene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2-Nitroaniline	<0.0180		0.833	0.0180	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
3-Nitroaniline	<0.148		0.833	0.148	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4-Nitroaniline	<0.0300		0.833	0.0300	mg/Kg		10/16/13 08:57	10/17/13 20:31	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114675/1-A**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	<0.0170		0.333	0.0170	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2-Nitrophenol	<0.0130		0.333	0.0130	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4-Nitrophenol	<0.0150		0.333	0.0150	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
N-Nitrosodi-n-propylamine	<0.0210		0.333	0.0210	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		0.333	0.0160	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Pentachlorophenol	<0.125		0.833	0.125	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Phenanthrene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Phenol	<0.0140		0.333	0.0140	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Pyrene	<0.0120		0.0670	0.0120	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	0.258	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,3,4,6-Tetrachlorophenol	<0.169		0.333	0.169	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,4,5-Trichlorophenol	<0.0170		0.833	0.0170	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,4,6-Trichlorophenol	<0.0250		0.333	0.0250	mg/Kg		10/16/13 08:57	10/17/13 20:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		29 - 120	10/16/13 08:57	10/17/13 20:31	1
2-Fluorophenol (Surr)	66		10 - 120	10/16/13 08:57	10/17/13 20:31	1
Nitrobenzene-d5 (Surr)	70		27 - 120	10/16/13 08:57	10/17/13 20:31	1
Phenol-d5 (Surr)	76		10 - 120	10/16/13 08:57	10/17/13 20:31	1
Terphenyl-d14 (Surr)	79		13 - 120	10/16/13 08:57	10/17/13 20:31	1
2,4,6-Tribromophenol (Surr)	65		10 - 120	10/16/13 08:57	10/17/13 20:31	1

**Lab Sample ID: LCS 490-114675/2-A**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.150		mg/Kg		69	36 - 120
Acenaphthylene	1.67	1.155		mg/Kg		69	38 - 120
Acetophenone	1.67	1.168		mg/Kg		70	30 - 120
Anthracene	1.67	1.172		mg/Kg		70	46 - 124
Atrazine	1.67	1.335		mg/Kg		80	41 - 120
Benzaldehyde	1.67	0.5146	J	mg/Kg		31	10 - 150
Benzo[a]anthracene	1.67	1.207		mg/Kg		72	45 - 120
Benzo[a]pyrene	1.67	1.186		mg/Kg		71	45 - 120
Benzo[b]fluoranthene	1.67	1.183		mg/Kg		71	42 - 120
Benzo[g,h,i]perylene	1.67	1.211		mg/Kg		73	38 - 120
Benzo[k]fluoranthene	1.67	1.184		mg/Kg		71	42 - 120
Biphenyl	1.67	1.165		mg/Kg		70	15 - 120
Bis(2-chloroethoxy)methane	1.67	1.169		mg/Kg		70	32 - 120
Bis(2-chloroethyl)ether	1.67	1.166		mg/Kg		70	31 - 120
bis (2-chloroisopropyl) ether	1.67	0.9993		mg/Kg		60	32 - 120
Bis(2-ethylhexyl) phthalate	1.67	1.171		mg/Kg		70	43 - 120
4-Bromophenyl phenyl ether	1.67	1.216		mg/Kg		73	40 - 120
Butyl benzyl phthalate	1.67	1.221		mg/Kg		73	43 - 133
Caprolactam	1.67	1.319		mg/Kg		79	18 - 138
Carbazole	1.67	1.193		mg/Kg		72	44 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114675/2-A**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloroaniline	1.67	1.269		mg/Kg		76	35 - 120
4-Chloro-3-methylphenol	1.67	1.263		mg/Kg		76	38 - 120
2-Chloronaphthalene	1.67	1.105		mg/Kg		66	34 - 120
2-Chlorophenol	1.67	1.157		mg/Kg		69	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.160		mg/Kg		70	42 - 120
Chrysene	1.67	1.251		mg/Kg		75	43 - 120
Dibenz(a,h)anthracene	1.67	1.221		mg/Kg		73	32 - 128
Dibenzofuran	1.67	1.126		mg/Kg		68	41 - 120
3,3'-Dichlorobenzidine	1.67	1.042		mg/Kg		63	39 - 120
2,4-Dichlorophenol	1.67	1.217		mg/Kg		73	32 - 120
Diethyl phthalate	1.67	1.147		mg/Kg		69	41 - 122
2,4-Dimethylphenol	1.67	1.133		mg/Kg		68	32 - 120
Dimethyl phthalate	1.67	1.153	J	mg/Kg		69	55 - 120
Di-n-butyl phthalate	1.67	1.163		mg/Kg		70	46 - 127
4,6-Dinitro-2-methylphenol	3.33	2.697		mg/Kg		81	27 - 134
2,4-Dinitrophenol	3.33	2.354		mg/Kg		71	23 - 142
2,4-Dinitrotoluene	1.67	1.291		mg/Kg		77	43 - 120
2,6-Dinitrotoluene	1.67	1.327		mg/Kg		80	43 - 120
Di-n-octyl phthalate	1.67	1.177		mg/Kg		71	40 - 130
Fluoranthene	1.67	1.221		mg/Kg		73	46 - 120
Fluorene	1.67	1.183		mg/Kg		71	42 - 120
Hexachlorobenzene	1.67	1.218		mg/Kg		73	44 - 120
Hexachlorobutadiene	1.67	1.064		mg/Kg		64	31 - 120
Hexachlorocyclopentadiene	1.67	0.8169		mg/Kg		49	24 - 120
Hexachloroethane	1.67	0.9937		mg/Kg		60	33 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.185		mg/Kg		71	41 - 121
Isophorone	1.67	1.272		mg/Kg		76	33 - 120
2-Methylnaphthalene	1.67	1.151		mg/Kg		69	28 - 120
2-Methylphenol	1.67	1.311		mg/Kg		79	36 - 120
3 & 4 Methylphenol	1.67	1.309		mg/Kg		79	37 - 120
Naphthalene	1.67	1.125		mg/Kg		68	32 - 120
2-Nitroaniline	1.67	1.342		mg/Kg		80	40 - 120
3-Nitroaniline	1.67	1.302		mg/Kg		78	42 - 120
4-Nitroaniline	1.67	1.389		mg/Kg		83	43 - 120
Nitrobenzene	1.67	1.198		mg/Kg		72	26 - 120
2-Nitrophenol	1.67	1.281		mg/Kg		77	29 - 120
4-Nitrophenol	3.33	2.405		mg/Kg		72	32 - 136
N-Nitrosodi-n-propylamine	1.67	1.217		mg/Kg		73	35 - 120
n-Nitrosodiphenylamine(as diphenylamine)	1.67	1.140		mg/Kg		68	52 - 140
Pentachlorophenol	3.33	2.397		mg/Kg		72	44 - 134
Phenanthrene	1.67	1.156		mg/Kg		69	45 - 120
Phenol	1.67	1.154		mg/Kg		69	30 - 120
Pyrene	1.67	1.231		mg/Kg		74	43 - 120
1,2,4,5-Tetrachlorobenzene	1.67	1.176	J	mg/Kg		71	41 - 120
2,3,4,6-Tetrachlorophenol	1.67	1.275		mg/Kg		77	44 - 120
2,4,5-Trichlorophenol	1.67	1.164		mg/Kg		70	39 - 120
2,4,6-Trichlorophenol	1.67	1.219		mg/Kg		73	39 - 120

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114675/2-A**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	60		29 - 120
2-Fluorophenol (Surr)	61		10 - 120
Nitrobenzene-d5 (Surr)	67		27 - 120
Phenol-d5 (Surr)	69		10 - 120
Terphenyl-d14 (Surr)	74		13 - 120
2,4,6-Tribromophenol (Surr)	77		10 - 120

**Lab Sample ID: 490-37729-A-4-B MS**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
	Acenaphthene	0.0358	J	1.67	1.041				
Acenaphthylene	<0.00899		1.67	1.029		mg/Kg		62	25 - 120
Acetophenone	<0.0699		1.67	1.014		mg/Kg		61	10 - 200
Anthracene	0.547		1.67	1.465		mg/Kg		55	28 - 125
Atrazine	<0.167		1.67	1.146		mg/Kg		69	10 - 200
Benzaldehyde	<0.286		1.67	1.316	J	mg/Kg		79	10 - 200
Benzo[a]anthracene	1.49		1.67	2.356		mg/Kg		52	23 - 120
Benzo[a]pyrene	0.935		1.67	1.829		mg/Kg		54	15 - 128
Benzo[b]fluoranthene	2.20		1.67	2.913		mg/Kg		43	12 - 133
Benzo[g,h,i]perylene	0.568		1.67	1.538		mg/Kg		58	22 - 120
Benzo[k]fluoranthene	0.667		1.67	1.703		mg/Kg		62	28 - 120
Biphenyl	<0.104		1.67	1.014		mg/Kg		61	10 - 200
Bis(2-chloroethoxy)methane	<0.0120		1.67	0.9920		mg/Kg		60	24 - 120
Bis(2-chloroethyl)ether	<0.0200		1.67	0.9640		mg/Kg		58	22 - 120
bis (2-chloroisopropyl) ether	<0.134		1.67	0.6444		mg/Kg		39	20 - 120
Bis(2-ethylhexyl) phthalate	<0.0130		1.67	1.112		mg/Kg		67	26 - 120
4-Bromophenyl phenyl ether	<0.0170		1.67	1.010		mg/Kg		61	31 - 120
Butyl benzyl phthalate	<0.0160		1.67	1.140		mg/Kg		68	24 - 133
Caprolactam	<0.108		1.67	1.119		mg/Kg		67	10 - 199
Carbazole	0.302	J	1.67	1.344		mg/Kg		62	25 - 123
4-Chloroaniline	<0.166		1.67	1.150		mg/Kg		69	26 - 120
4-Chloro-3-methylphenol	<0.0160		1.67	1.243		mg/Kg		75	21 - 120
2-Chloronaphthalene	<0.0170		1.67	0.9529		mg/Kg		57	24 - 120
2-Chlorophenol	<0.0150		1.67	1.042		mg/Kg		63	25 - 120
4-Chlorophenyl phenyl ether	<0.0240		1.67	1.024		mg/Kg		61	26 - 120
Chrysene	2.29		1.67	2.972		mg/Kg		41	20 - 120
Dibenz(a,h)anthracene	0.191		1.67	1.203		mg/Kg		61	12 - 128
Dibenzofuran	0.0907	J	1.67	1.062		mg/Kg		58	21 - 120
3,3'-Dichlorobenzidine	<0.133		1.67	1.082		mg/Kg		65	10 - 120
2,4-Dichlorophenol	<0.0170		1.67	1.118		mg/Kg		67	17 - 120
Diethyl phthalate	<0.0140		1.67	0.9882		mg/Kg		59	29 - 122
2,4-Dimethylphenol	<0.192		1.67	1.016		mg/Kg		61	17 - 120
Dimethyl phthalate	<0.00799		1.67	1.016	J	mg/Kg		61	30 - 120
Di-n-butyl phthalate	<0.0130		1.67	0.9866		mg/Kg		59	29 - 126
4,6-Dinitro-2-methylphenol	<0.103		3.33	2.229		mg/Kg		67	10 - 134
2,4-Dinitrophenol	<0.110		3.33	1.580		mg/Kg		47	10 - 150

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37729-A-4-B MS**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
2,4-Dinitrotoluene	<0.00899		1.67	1.138		mg/Kg		68	24 - 121
2,6-Dinitrotoluene	<0.0310		1.67	1.177		mg/Kg		71	24 - 120
Di-n-octyl phthalate	<0.0130		1.67	1.229		mg/Kg		74	27 - 130
Fluoranthene	3.53	E	1.67	4.105	E	mg/Kg		34	10 - 143
Fluorene	0.277		1.67	1.293		mg/Kg		61	20 - 120
Hexachlorobenzene	<0.0290		1.67	1.023		mg/Kg		61	25 - 120
Hexachlorobutadiene	<0.0699		1.67	0.7873		mg/Kg		47	10 - 120
Hexachlorocyclopentadiene	<0.0160		1.67	0.5038		mg/Kg		30	10 - 120
Hexachloroethane	<0.0200		1.67	0.7893		mg/Kg		47	10 - 120
Indeno[1,2,3-cd]pyrene	0.459		1.67	1.414		mg/Kg		57	22 - 121
Isophorone	<0.0589		1.67	1.064		mg/Kg		64	24 - 120
2-Methylnaphthalene	<0.0160		1.67	0.9693		mg/Kg		58	13 - 120
2-Methylphenol	<0.0929		1.67	1.197		mg/Kg		72	23 - 120
3 & 4 Methylphenol	<0.0200		1.67	1.254		mg/Kg		75	19 - 120
Naphthalene	<0.00899		1.67	0.9384		mg/Kg		56	10 - 120
2-Nitroaniline	<0.0180		1.67	1.320		mg/Kg		79	31 - 120
3-Nitroaniline	<0.148		1.67	1.301		mg/Kg		78	31 - 120
4-Nitroaniline	<0.0300		1.67	1.382		mg/Kg		83	28 - 120
Nitrobenzene	<0.0170		1.67	1.038		mg/Kg		62	19 - 120
2-Nitrophenol	<0.0130		1.67	1.098		mg/Kg		66	23 - 120
4-Nitrophenol	<0.0150		3.33	2.505		mg/Kg		75	16 - 139
N-Nitrosodi-n-propylamine	<0.0210		1.67	1.054		mg/Kg		63	24 - 120
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		1.67	0.9593		mg/Kg		58	26 - 150
Pentachlorophenol	<0.125		3.33	2.129		mg/Kg		64	19 - 145
Phenanthrene	2.52		1.67	3.038		mg/Kg		31	21 - 122
Phenol	<0.0140		1.67	1.103		mg/Kg		66	15 - 120
Pyrene	2.99		1.67	3.665	E	mg/Kg		41	20 - 123
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	1.000	J	mg/Kg		60	10 - 200
2,3,4,6-Tetrachlorophenol	<0.169		1.67	1.225		mg/Kg		74	10 - 200
2,4,5-Trichlorophenol	<0.0170		1.67	1.121		mg/Kg		67	27 - 120
2,4,6-Trichlorophenol	<0.0250		1.67	1.138		mg/Kg		68	24 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	46		29 - 120
2-Fluorophenol (Surr)	56		10 - 120
Nitrobenzene-d5 (Surr)	56		27 - 120
Phenol-d5 (Surr)	65		10 - 120
Terphenyl-d14 (Surr)	61		13 - 120
2,4,6-Tribromophenol (Surr)	67		10 - 120

**Lab Sample ID: 490-37729-A-4-C MSD**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier					RPD	Limit
Acenaphthene	0.0358	J	1.63	0.9880		mg/Kg		58	19 - 120	5	50
Acenaphthylene	<0.00899		1.63	0.9851		mg/Kg		60	25 - 120	4	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37729-A-4-C MSD**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Acetophenone	<0.0699		1.63	0.9460		mg/Kg		58	10 - 200	7	50
Anthracene	0.547		1.63	1.491		mg/Kg		58	28 - 125	2	49
Atrazine	<0.167		1.63	1.118		mg/Kg		69	10 - 200	2	50
Benzaldehyde	<0.286		1.63	1.337	J	mg/Kg		82	10 - 200	2	50
Benzo[a]anthracene	1.49		1.63	2.591		mg/Kg		68	23 - 120	9	50
Benzo[a]pyrene	0.935		1.63	1.975		mg/Kg		64	15 - 128	8	50
Benzo[b]fluoranthene	2.20		1.63	3.179		mg/Kg		60	12 - 133	9	50
Benzo[g,h,i]perylene	0.568		1.63	1.617		mg/Kg		64	22 - 120	5	50
Benzo[k]fluoranthene	0.667		1.63	1.843		mg/Kg		72	28 - 120	8	45
Biphenyl	<0.104		1.63	0.9464		mg/Kg		58	10 - 200	7	50
Bis(2-chloroethoxy)methane	<0.0120		1.63	0.8979		mg/Kg		55	24 - 120	10	50
Bis(2-chloroethyl)ether	<0.0200		1.63	0.9386		mg/Kg		58	22 - 120	3	50
bis (2-chloroisopropyl) ether	<0.134		1.63	0.6184		mg/Kg		38	20 - 120	4	50
Bis(2-ethylhexyl) phthalate	<0.0130		1.63	1.116		mg/Kg		68	26 - 120	0	50
4-Bromophenyl phenyl ether	<0.0170		1.63	0.9812		mg/Kg		60	31 - 120	3	37
Butyl benzyl phthalate	<0.0160		1.63	1.107		mg/Kg		68	24 - 133	3	50
Caprolactam	<0.108		1.63	1.070		mg/Kg		66	10 - 199	4	50
Carbazole	0.302	J	1.63	1.330		mg/Kg		63	25 - 123	1	46
4-Chloroaniline	<0.166		1.63	1.070		mg/Kg		66	26 - 120	7	50
4-Chloro-3-methylphenol	<0.0160		1.63	1.140		mg/Kg		70	21 - 120	9	49
2-Chloronaphthalene	<0.0170		1.63	0.9029		mg/Kg		55	24 - 120	5	50
2-Chlorophenol	<0.0150		1.63	0.9945		mg/Kg		61	25 - 120	5	50
4-Chlorophenyl phenyl ether	<0.0240		1.63	0.9725		mg/Kg		60	26 - 120	5	50
Chrysene	2.29		1.63	3.340	E	mg/Kg		65	20 - 120	12	49
Dibenz(a,h)anthracene	0.191		1.63	1.200		mg/Kg		62	12 - 128	0	50
Dibenzofuran	0.0907	J	1.63	1.036		mg/Kg		58	21 - 120	3	50
3,3'-Dichlorobenzidine	<0.133		1.63	1.067		mg/Kg		65	10 - 120	1	50
2,4-Dichlorophenol	<0.0170		1.63	1.027		mg/Kg		63	17 - 120	8	50
Diethyl phthalate	<0.0140		1.63	0.9526		mg/Kg		58	29 - 122	4	45
2,4-Dimethylphenol	<0.192		1.63	0.9938		mg/Kg		61	17 - 120	2	50
Dimethyl phthalate	<0.00799		1.63	0.9587	J	mg/Kg		59	30 - 120	6	46
Di-n-butyl phthalate	<0.0130		1.63	0.9661		mg/Kg		59	29 - 126	2	49
4,6-Dinitro-2-methylphenol	<0.103		3.26	2.174		mg/Kg		67	10 - 134	2	50
2,4-Dinitrophenol	<0.110		3.26	1.589		mg/Kg		49	10 - 150	1	50
2,4-Dinitrotoluene	<0.00899		1.63	1.122		mg/Kg		69	24 - 121	1	50
2,6-Dinitrotoluene	<0.0310		1.63	1.129		mg/Kg		69	24 - 120	4	50
Di-n-octyl phthalate	<0.0130		1.63	1.207		mg/Kg		74	27 - 130	2	50
Fluoranthene	3.53	E	1.63	4.451	E	mg/Kg		56	10 - 143	8	50
Fluorene	0.277		1.63	1.272		mg/Kg		61	20 - 120	2	50
Hexachlorobenzene	<0.0290		1.63	0.9933		mg/Kg		61	25 - 120	3	50
Hexachlorobutadiene	<0.0699		1.63	0.7717		mg/Kg		47	10 - 120	2	50
Hexachlorocyclopentadiene	<0.0160		1.63	0.4749		mg/Kg		29	10 - 120	6	50
Hexachloroethane	<0.0200		1.63	0.7931		mg/Kg		49	10 - 120	0	50
Indeno[1,2,3-cd]pyrene	0.459		1.63	1.481		mg/Kg		63	22 - 121	5	50
Isophorone	<0.0589		1.63	0.9708		mg/Kg		60	24 - 120	9	50
2-Methylnaphthalene	<0.0160		1.63	0.8935		mg/Kg		55	13 - 120	8	50
2-Methylphenol	<0.0929		1.63	1.138		mg/Kg		70	23 - 120	5	50
3 & 4 Methylphenol	<0.0200		1.63	1.188		mg/Kg		73	19 - 120	5	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37729-A-4-C MSD**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
Naphthalene	<0.00899		1.63	0.8810		mg/Kg		54	10 - 120	6	50	
2-Nitroaniline	<0.0180		1.63	1.252		mg/Kg		77	31 - 120	5	50	
3-Nitroaniline	<0.148		1.63	1.244		mg/Kg		76	31 - 120	4	49	
4-Nitroaniline	<0.0300		1.63	1.350		mg/Kg		83	28 - 120	2	49	
Nitrobenzene	<0.0170		1.63	0.9681		mg/Kg		59	19 - 120	7	50	
2-Nitrophenol	<0.0130		1.63	1.008		mg/Kg		62	23 - 120	8	50	
4-Nitrophenol	<0.0150		3.26	2.417		mg/Kg		74	16 - 139	4	45	
N-Nitrosodi-n-propylamine	<0.0210		1.63	0.9860		mg/Kg		60	24 - 120	7	50	
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		1.63	0.9255		mg/Kg		57	26 - 150	4	50	
Pentachlorophenol	<0.125		3.26	2.073		mg/Kg		64	19 - 145	3	50	
Phenanthrene	2.52		1.63	3.245		mg/Kg		44	21 - 122	7	50	
Phenol	<0.0140		1.63	1.064		mg/Kg		65	15 - 120	4	50	
Pyrene	2.99		1.63	4.033	E	mg/Kg		64	20 - 123	10	50	
1,2,4,5-Tetrachlorobenzene	<0.258		1.63	0.9407	J	mg/Kg		58	10 - 200	6	50	
2,3,4,6-Tetrachlorophenol	<0.169		1.63	1.185		mg/Kg		73	10 - 200	3	50	
2,4,5-Trichlorophenol	<0.0170		1.63	1.063		mg/Kg		65	27 - 120	5	50	
2,4,6-Trichlorophenol	<0.0250		1.63	1.057		mg/Kg		65	24 - 122	7	50	

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	43		29 - 120
2-Fluorophenol (Surr)	57		10 - 120
Nitrobenzene-d5 (Surr)	54		27 - 120
Phenol-d5 (Surr)	65		10 - 120
Terphenyl-d14 (Surr)	58		13 - 120
2,4,6-Tribromophenol (Surr)	66		10 - 120

**Lab Sample ID: MB 490-114792/1-A**

**Matrix: Water**

**Analysis Batch: 115014**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114792**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.366		2.00	0.366	ug/L		10/16/13 12:23	10/17/13 16:42	1
Acenaphthylene	<0.330		2.00	0.330	ug/L		10/16/13 12:23	10/17/13 16:42	1
Acetophenone	<1.90		10.0	1.90	ug/L		10/16/13 12:23	10/17/13 16:42	1
Anthracene	<0.883		2.00	0.883	ug/L		10/16/13 12:23	10/17/13 16:42	1
Atrazine	<3.70		10.0	3.70	ug/L		10/16/13 12:23	10/17/13 16:42	1
Benzaldehyde	<2.15		10.0	2.15	ug/L		10/16/13 12:23	10/17/13 16:42	1
Benzo[a]anthracene	<0.324		2.00	0.324	ug/L		10/16/13 12:23	10/17/13 16:42	1
Benzo[a]pyrene	<0.330		2.00	0.330	ug/L		10/16/13 12:23	10/17/13 16:42	1
Benzo[b]fluoranthene	<0.422		2.00	0.422	ug/L		10/16/13 12:23	10/17/13 16:42	1
Benzo[g,h,i]perylene	<0.287		2.00	0.287	ug/L		10/16/13 12:23	10/17/13 16:42	1
Benzo[k]fluoranthene	<0.364		2.00	0.364	ug/L		10/16/13 12:23	10/17/13 16:42	1
Biphenyl	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
Bis(2-chloroethoxy)methane	<1.36		10.0	1.36	ug/L		10/16/13 12:23	10/17/13 16:42	1
Bis(2-chloroethyl)ether	<1.39		10.0	1.39	ug/L		10/16/13 12:23	10/17/13 16:42	1
bis(2-chloroisopropyl) ether	<1.96		10.0	1.96	ug/L		10/16/13 12:23	10/17/13 16:42	1
Bis(2-ethylhexyl) phthalate	<2.06		10.0	2.06	ug/L		10/16/13 12:23	10/17/13 16:42	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114792/1-A**

**Matrix: Water**

**Analysis Batch: 115014**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114792**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Bromophenyl phenyl ether	<1.37		10.0	1.37	ug/L		10/16/13 12:23	10/17/13 16:42	1
Butyl benzyl phthalate	<1.74		10.0	1.74	ug/L		10/16/13 12:23	10/17/13 16:42	1
Caprolactam	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
Carbazole	<0.299		10.0	0.299	ug/L		10/16/13 12:23	10/17/13 16:42	1
4-Chloroaniline	<1.17		10.0	1.17	ug/L		10/16/13 12:23	10/17/13 16:42	1
4-Chloro-3-methylphenol	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
2-Chloronaphthalene	<1.64		10.0	1.64	ug/L		10/16/13 12:23	10/17/13 16:42	1
2-Chlorophenol	<1.59		10.0	1.59	ug/L		10/16/13 12:23	10/17/13 16:42	1
4-Chlorophenyl phenyl ether	<1.75		10.0	1.75	ug/L		10/16/13 12:23	10/17/13 16:42	1
Chrysene	<1.09		2.00	1.09	ug/L		10/16/13 12:23	10/17/13 16:42	1
Dibenz(a,h)anthracene	<0.644		2.00	0.644	ug/L		10/16/13 12:23	10/17/13 16:42	1
Dibenzofuran	<0.339		10.0	0.339	ug/L		10/16/13 12:23	10/17/13 16:42	1
3,3'-Dichlorobenzidine	<1.52		10.0	1.52	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,4-Dichlorophenol	<1.02		10.0	1.02	ug/L		10/16/13 12:23	10/17/13 16:42	1
Diethyl phthalate	<1.62		10.0	1.62	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,4-Dimethylphenol	<0.996		10.0	0.996	ug/L		10/16/13 12:23	10/17/13 16:42	1
Dimethyl phthalate	<1.81		10.0	1.81	ug/L		10/16/13 12:23	10/17/13 16:42	1
Di-n-butyl phthalate	<1.50		10.0	1.50	ug/L		10/16/13 12:23	10/17/13 16:42	1
4,6-Dinitro-2-methylphenol	<2.07		25.0	2.07	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,4-Dinitrophenol	<2.46		25.0	2.46	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,4-Dinitrotoluene	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,6-Dinitrotoluene	<1.94		10.0	1.94	ug/L		10/16/13 12:23	10/17/13 16:42	1
Di-n-octyl phthalate	<2.31		10.0	2.31	ug/L		10/16/13 12:23	10/17/13 16:42	1
Fluoranthene	<0.347		2.00	0.347	ug/L		10/16/13 12:23	10/17/13 16:42	1
Fluorene	<0.316		2.00	0.316	ug/L		10/16/13 12:23	10/17/13 16:42	1
Hexachlorobenzene	<1.69		10.0	1.69	ug/L		10/16/13 12:23	10/17/13 16:42	1
Hexachlorobutadiene	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
Hexachlorocyclopentadiene	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
Hexachloroethane	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
Indeno[1,2,3-cd]pyrene	<0.381		2.00	0.381	ug/L		10/16/13 12:23	10/17/13 16:42	1
Isophorone	<1.24		10.0	1.24	ug/L		10/16/13 12:23	10/17/13 16:42	1
2-Methylnaphthalene	<0.311		2.00	0.311	ug/L		10/16/13 12:23	10/17/13 16:42	1
2-Methylphenol	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
3 & 4 Methylphenol	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
Naphthalene	<0.398		2.00	0.398	ug/L		10/16/13 12:23	10/17/13 16:42	1
2-Nitroaniline	<1.04		25.0	1.04	ug/L		10/16/13 12:23	10/17/13 16:42	1
3-Nitroaniline	<1.85		25.0	1.85	ug/L		10/16/13 12:23	10/17/13 16:42	1
4-Nitroaniline	<2.39		25.0	2.39	ug/L		10/16/13 12:23	10/17/13 16:42	1
Nitrobenzene	<1.24		10.0	1.24	ug/L		10/16/13 12:23	10/17/13 16:42	1
2-Nitrophenol	<1.57		10.0	1.57	ug/L		10/16/13 12:23	10/17/13 16:42	1
4-Nitrophenol	<3.33		25.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
N-Nitrosodi-n-propylamine	<1.42		10.0	1.42	ug/L		10/16/13 12:23	10/17/13 16:42	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.44		10.0	1.44	ug/L		10/16/13 12:23	10/17/13 16:42	1
Pentachlorophenol	<1.65		25.0	1.65	ug/L		10/16/13 12:23	10/17/13 16:42	1
Phenanthrene	<0.343		2.00	0.343	ug/L		10/16/13 12:23	10/17/13 16:42	1
Phenol	<3.45		10.0	3.45	ug/L		10/16/13 12:23	10/17/13 16:42	1
Pyrene	<0.331		2.00	0.331	ug/L		10/16/13 12:23	10/17/13 16:42	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114792/1-A**

**Matrix: Water**

**Analysis Batch: 115014**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114792**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<4.04		10.0	4.04	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,3,4,6-Tetrachlorophenol	<3.63		10.0	3.63	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,4,5-Trichlorophenol	<2.03		25.0	2.03	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,4,6-Trichlorophenol	<1.76		10.0	1.76	ug/L		10/16/13 12:23	10/17/13 16:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		29 - 120	10/16/13 12:23	10/17/13 16:42	1
2-Fluorophenol (Surr)	42		10 - 120	10/16/13 12:23	10/17/13 16:42	1
Nitrobenzene-d5 (Surr)	70		27 - 120	10/16/13 12:23	10/17/13 16:42	1
Phenol-d5 (Surr)	28		10 - 120	10/16/13 12:23	10/17/13 16:42	1
Terphenyl-d14 (Surr)	92		13 - 120	10/16/13 12:23	10/17/13 16:42	1
2,4,6-Tribromophenol (Surr)	78		10 - 120	10/16/13 12:23	10/17/13 16:42	1

**Lab Sample ID: LCS 490-114792/2-A**

**Matrix: Water**

**Analysis Batch: 115014**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114792**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	37.49		ug/L		75	46 - 120
Acenaphthylene	50.0	36.27		ug/L		73	48 - 120
Acetophenone	50.0	39.93		ug/L		80	52 - 133
Anthracene	50.0	42.59		ug/L		85	58 - 130
Atrazine	50.0	156.5	E *	ug/L		313	24 - 133
Benzaldehyde	50.0	54.02		ug/L		108	34 - 120
Benzo[a]anthracene	50.0	40.81		ug/L		82	57 - 120
Benzo[a]pyrene	50.0	41.60		ug/L		83	57 - 124
Benzo[b]fluoranthene	50.0	42.95		ug/L		86	51 - 125
Benzo[g,h,i]perylene	50.0	37.28		ug/L		75	51 - 123
Benzo[k]fluoranthene	50.0	40.87		ug/L		82	51 - 120
Biphenyl	50.0	34.72		ug/L		69	10 - 146
Bis(2-chloroethoxy)methane	50.0	36.79		ug/L		74	44 - 120
Bis(2-chloroethyl)ether	50.0	37.66		ug/L		75	47 - 120
bis (2-chloroisopropyl) ether	50.0	32.41		ug/L		65	44 - 120
Bis(2-ethylhexyl) phthalate	50.0	39.30		ug/L		79	47 - 138
4-Bromophenyl phenyl ether	50.0	38.48		ug/L		77	47 - 127
Butyl benzyl phthalate	50.0	39.17		ug/L		78	51 - 146
Caprolactam	50.0	12.07		ug/L		24	10 - 120
Carbazole	50.0	42.91		ug/L		86	54 - 123
4-Chloroaniline	50.0	43.54		ug/L		87	44 - 120
4-Chloro-3-methylphenol	50.0	40.42		ug/L		81	44 - 120
2-Chloronaphthalene	50.0	31.93		ug/L		64	39 - 120
2-Chlorophenol	50.0	37.43		ug/L		75	40 - 120
4-Chlorophenyl phenyl ether	50.0	39.87		ug/L		80	50 - 120
Chrysene	50.0	41.25		ug/L		83	55 - 120
Dibenz(a,h)anthracene	50.0	38.86		ug/L		78	50 - 125
Dibenzofuran	50.0	38.29		ug/L		77	50 - 120
3,3'-Dichlorobenzidine	50.0	43.04		ug/L		86	46 - 129
2,4-Dichlorophenol	50.0	38.95		ug/L		78	38 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114792/2-A**

**Matrix: Water**

**Analysis Batch: 115014**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114792**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diethyl phthalate	50.0	40.16		ug/L		80	54 - 128
2,4-Dimethylphenol	50.0	42.32		ug/L		85	21 - 126
Dimethyl phthalate	50.0	40.17		ug/L		80	53 - 127
Di-n-butyl phthalate	50.0	41.33		ug/L		83	54 - 140
4,6-Dinitro-2-methylphenol	100	66.26		ug/L		66	19 - 150
2,4-Dinitrophenol	100	57.57		ug/L		58	20 - 150
2,4-Dinitrotoluene	50.0	43.37		ug/L		87	46 - 132
2,6-Dinitrotoluene	50.0	38.10		ug/L		76	54 - 128
Di-n-octyl phthalate	50.0	42.65		ug/L		85	50 - 142
Fluoranthene	50.0	43.95		ug/L		88	56 - 120
Fluorene	50.0	40.30		ug/L		81	52 - 120
Hexachlorobenzene	50.0	38.54		ug/L		77	48 - 131
Hexachlorobutadiene	50.0	15.13		ug/L		30	28 - 120
Hexachlorocyclopentadiene	50.0	18.27		ug/L		37	17 - 120
Hexachloroethane	50.0	13.39	*	ug/L		27	30 - 120
Indeno[1,2,3-cd]pyrene	50.0	37.67		ug/L		75	54 - 125
Isophorone	50.0	41.99		ug/L		84	47 - 120
2-Methylnaphthalene	50.0	28.41		ug/L		57	31 - 120
2-Methylphenol	50.0	35.81		ug/L		72	38 - 120
3 & 4 Methylphenol	50.0	34.87		ug/L		70	33 - 120
Naphthalene	50.0	26.21		ug/L		52	37 - 120
2-Nitroaniline	50.0	45.95		ug/L		92	46 - 131
3-Nitroaniline	50.0	45.00		ug/L		90	54 - 121
4-Nitroaniline	50.0	47.01		ug/L		94	55 - 123
Nitrobenzene	50.0	38.41		ug/L		77	36 - 120
2-Nitrophenol	50.0	38.91		ug/L		78	32 - 120
4-Nitrophenol	100	35.35		ug/L		35	10 - 120
N-Nitrosodi-n-propylamine	50.0	40.70		ug/L		81	51 - 120
n-Nitrosodiphenylamine(as diphenylamine)	50.0	37.76		ug/L		76	58 - 149
Pentachlorophenol	100	102.8		ug/L		103	21 - 150
Phenanthrene	50.0	42.49		ug/L		85	56 - 120
Phenol	50.0	17.31		ug/L		35	14 - 120
Pyrene	50.0	38.49		ug/L		77	53 - 129
1,2,4,5-Tetrachlorobenzene	50.0	31.04		ug/L		62	25 - 120
2,3,4,6-Tetrachlorophenol	50.0	44.61		ug/L		89	31 - 148
2,4,5-Trichlorophenol	50.0	41.65		ug/L		83	40 - 129
2,4,6-Trichlorophenol	50.0	40.87		ug/L		82	39 - 135

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	70		29 - 120
2-Fluorophenol (Surr)	42		10 - 120
Nitrobenzene-d5 (Surr)	73		27 - 120
Phenol-d5 (Surr)	29		10 - 120
Terphenyl-d14 (Surr)	79		13 - 120
2,4,6-Tribromophenol (Surr)	78		10 - 120

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC)

**Lab Sample ID: MB 490-114328/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114696**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114328**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000310		0.00170	0.000310	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
alpha-BHC	<0.000200		0.00170	0.000200	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
beta-BHC	<0.00200		0.00330	0.00200	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
delta-BHC	<0.000380		0.00170	0.000380	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
gamma-BHC (Lindane)	<0.000390		0.00170	0.000390	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
alpha-Chlordane	<0.000430		0.00170	0.000430	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
gamma-Chlordane	<0.000790		0.00170	0.000790	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Chlordane (technical)	<0.0363		0.0667	0.0363	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
4,4'-DDD	<0.000430		0.00170	0.000430	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
4,4'-DDE	<0.000500		0.00170	0.000500	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
4,4'-DDT	<0.000850		0.00170	0.000850	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Dieldrin	<0.000400		0.00170	0.000400	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Endosulfan I	<0.000470		0.00170	0.000470	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Endosulfan II	<0.000550		0.00170	0.000550	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Endosulfan sulfate	<0.000500		0.00170	0.000500	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Endrin	<0.000430		0.00170	0.000430	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Endrin aldehyde	<0.000510		0.00170	0.000510	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Endrin ketone	<0.000590		0.00170	0.000590	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Heptachlor	<0.000420		0.00170	0.000420	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Heptachlor epoxide	<0.000650		0.00170	0.000650	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Methoxychlor	<0.000490		0.00330	0.000490	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Toxaphene	<0.0422		0.0667	0.0422	mg/Kg		10/15/13 08:42	10/16/13 14:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		21 - 145	10/15/13 08:42	10/16/13 14:40	1
DCB Decachlorobiphenyl (Surr)	84		25 - 150	10/15/13 08:42	10/16/13 14:40	1

**Lab Sample ID: LCS 490-114328/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114696**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114328**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlordane (technical)	0.167	0.1248		mg/Kg		75	50 - 150
Toxaphene	0.333	0.1642		mg/Kg		49	10 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	76		21 - 145
DCB Decachlorobiphenyl (Surr)	81 p		25 - 150

**Lab Sample ID: LCS 490-114328/3-A**  
**Matrix: Solid**  
**Analysis Batch: 114696**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114328**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0167	0.01523		mg/Kg		91	47 - 132
alpha-BHC	0.0167	0.01495		mg/Kg		90	45 - 128
beta-BHC	0.0167	0.01397		mg/Kg		84	48 - 135

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 490-114328/3-A**

**Matrix: Solid**

**Analysis Batch: 114696**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114328**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
delta-BHC	0.0167	0.01405		mg/Kg		84	10 - 149	
gamma-BHC (Lindane)	0.0167	0.01437		mg/Kg		86	48 - 131	
alpha-Chlordane	0.0167	0.01593		mg/Kg		96	47 - 134	
gamma-Chlordane	0.0167	0.01600		mg/Kg		96	48 - 145	
4,4'-DDD	0.0167	0.01550		mg/Kg		93	46 - 149	
4,4'-DDE	0.0167	0.01493		mg/Kg		90	48 - 139	
4,4'-DDT	0.0167	0.009251		mg/Kg		56	24 - 150	
Dieldrin	0.0167	0.01538		mg/Kg		92	42 - 137	
Endosulfan I	0.0167	0.01516		mg/Kg		91	10 - 150	
Endosulfan II	0.0167	0.01493		mg/Kg		90	12 - 150	
Endosulfan sulfate	0.0167	0.01427		mg/Kg		86	36 - 148	
Endrin	0.0167	0.01325		mg/Kg		80	46 - 145	
Endrin aldehyde	0.0167	0.01355		mg/Kg		81	48 - 150	
Endrin ketone	0.0167	0.01391		mg/Kg		83	43 - 150	
Heptachlor	0.0167	0.01310		mg/Kg		79	45 - 140	
Heptachlor epoxide	0.0167	0.01529		mg/Kg		92	47 - 133	
Methoxychlor	0.0167	0.009566		mg/Kg		57	23 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	85		21 - 145
DCB Decachlorobiphenyl (Surr)	89		25 - 150

**Lab Sample ID: 490-37637-1 MS**

**Matrix: Soil**

**Analysis Batch: 114696**

**Client Sample ID: Tract 6 SB1-(0-2)**

**Prep Type: Total/NA**

**Prep Batch: 114328**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Aldrin	<0.000360		0.0192	0.01120		mg/Kg	✱	58	11 - 140	
alpha-BHC	<0.000232		0.0192	0.01222		mg/Kg	✱	64	23 - 138	
beta-BHC	<0.00232		0.0192	0.01274		mg/Kg	✱	66	12 - 179	
delta-BHC	<0.000441		0.0192	0.01215		mg/Kg	✱	63	10 - 149	
gamma-BHC (Lindane)	<0.000453		0.0192	0.01213		mg/Kg	✱	63	24 - 145	
alpha-Chlordane	<0.000499		0.0192	0.01137		mg/Kg	✱	59	10 - 140	
gamma-Chlordane	<0.000917		0.0192	0.01153		mg/Kg	✱	60	10 - 140	
4,4'-DDD	<0.000499		0.0192	0.01200		mg/Kg	✱	62	10 - 154	
4,4'-DDE	<0.000580		0.0192	0.01087		mg/Kg	✱	57	14 - 139	
4,4'-DDT	<0.000986		0.0192	0.006904		mg/Kg	✱	36	10 - 152	
Dieldrin	<0.000464		0.0192	0.01130		mg/Kg	✱	59	10 - 148	
Endosulfan I	<0.000545		0.0192	0.01126		mg/Kg	✱	59	10 - 158	
Endosulfan II	<0.000638		0.0192	0.01157		mg/Kg	✱	60	10 - 152	
Endosulfan sulfate	<0.000580		0.0192	0.01146		mg/Kg	✱	60	10 - 148	
Endrin	<0.000499		0.0192	0.01162		mg/Kg	✱	60	20 - 145	
Endrin aldehyde	<0.000592		0.0192	0.006623		mg/Kg	✱	34	13 - 167	
Endrin ketone	<0.000685		0.0192	0.01132		mg/Kg	✱	59	13 - 150	
Heptachlor	<0.000487		0.0192	0.009779		mg/Kg	✱	51	10 - 161	
Heptachlor epoxide	<0.000754		0.0192	0.01135		mg/Kg	✱	59	15 - 139	
Methoxychlor	<0.000569		0.0192	0.006891		mg/Kg	✱	36	10 - 175	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 490-37637-1 MS**  
**Matrix: Soil**  
**Analysis Batch: 114696**

**Client Sample ID: Tract 6 SB1-(0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 114328**

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	71		21 - 145
DCB Decachlorobiphenyl (Surr)	78		25 - 150

**Lab Sample ID: 490-37637-1 MSD**  
**Matrix: Soil**  
**Analysis Batch: 114696**

**Client Sample ID: Tract 6 SB1-(0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 114328**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec.		RPD	
				Result	Qualifier				Limits	RPD	Limit	
Aldrin	<0.000360		0.0195	0.006339	F	mg/Kg	*	32	11 - 140	55	50	
alpha-BHC	<0.000232		0.0195	0.006831	F	mg/Kg	*	35	23 - 138	57	50	
beta-BHC	<0.00232		0.0195	0.005869	p F	mg/Kg	*	30	12 - 179	74	50	
delta-BHC	<0.000441		0.0195	0.008373		mg/Kg	*	43	10 - 149	37	50	
gamma-BHC (Lindane)	<0.000453		0.0195	0.007224	F	mg/Kg	*	37	24 - 145	51	50	
alpha-Chlordane	<0.000499		0.0195	0.006404	F	mg/Kg	*	33	10 - 140	56	50	
gamma-Chlordane	<0.000917		0.0195	0.006357	p F	mg/Kg	*	33	10 - 140	58	50	
4,4'-DDD	<0.000499		0.0195	0.006620	F	mg/Kg	*	34	10 - 154	58	50	
4,4'-DDE	<0.000580		0.0195	0.006094	F	mg/Kg	*	31	14 - 139	56	50	
4,4'-DDT	<0.000986		0.0195	0.003607	F	mg/Kg	*	18	10 - 152	63	50	
Dieldrin	<0.000464		0.0195	0.006329	F	mg/Kg	*	32	10 - 148	56	50	
Endosulfan I	<0.000545		0.0195	0.006333	F	mg/Kg	*	32	10 - 158	56	50	
Endosulfan II	<0.000638		0.0195	0.006319	F	mg/Kg	*	32	10 - 152	59	50	
Endosulfan sulfate	<0.000580		0.0195	0.006652	F	mg/Kg	*	34	10 - 148	53	50	
Endrin	<0.000499		0.0195	0.006255	F	mg/Kg	*	32	20 - 145	60	50	
Endrin aldehyde	<0.000592		0.0195	0.003574	F	mg/Kg	*	18	13 - 167	60	50	
Endrin ketone	<0.000685		0.0195	0.005795	F	mg/Kg	*	30	13 - 150	65	50	
Heptachlor	<0.000487		0.0195	0.006842		mg/Kg	*	35	10 - 161	35	50	
Heptachlor epoxide	<0.000754		0.0195	0.006244	F	mg/Kg	*	32	15 - 139	58	50	
Methoxychlor	<0.000569		0.0195	0.003310	J F	mg/Kg	*	17	10 - 175	70	50	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	33		21 - 145
DCB Decachlorobiphenyl (Surr)	35		25 - 150

**Lab Sample ID: MB 490-114718/1-A**  
**Matrix: Water**  
**Analysis Batch: 115150**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114718**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	<0.00590		0.0250	0.00590	ug/L		10/16/13 09:58	10/17/13 18:52	1
alpha-BHC	<0.0111		0.0250	0.0111	ug/L		10/16/13 09:58	10/17/13 18:52	1
beta-BHC	<0.00700		0.0250	0.00700	ug/L		10/16/13 09:58	10/17/13 18:52	1
delta-BHC	<0.00770		0.0250	0.00770	ug/L		10/16/13 09:58	10/17/13 18:52	1
gamma-BHC (Lindane)	<0.00570		0.0250	0.00570	ug/L		10/16/13 09:58	10/17/13 18:52	1
alpha-Chlordane	<0.00530		0.0250	0.00530	ug/L		10/16/13 09:58	10/17/13 18:52	1
gamma-Chlordane	<0.0180		0.0250	0.0180	ug/L		10/16/13 09:58	10/17/13 18:52	1
Chlordane (technical)	<0.183		2.00	0.183	ug/L		10/16/13 09:58	10/17/13 18:52	1
4,4'-DDD	<0.00770		0.0250	0.00770	ug/L		10/16/13 09:58	10/17/13 18:52	1
4,4'-DDE	<0.00990		0.0250	0.00990	ug/L		10/16/13 09:58	10/17/13 18:52	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: MB 490-114718/1-A**

**Matrix: Water**

**Analysis Batch: 115150**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114718**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	<0.00890		0.0250	0.00890	ug/L		10/16/13 09:58	10/17/13 18:52	1
Dieldrin	<0.00570		0.0250	0.00570	ug/L		10/16/13 09:58	10/17/13 18:52	1
Endosulfan I	<0.00780		0.0250	0.00780	ug/L		10/16/13 09:58	10/17/13 18:52	1
Endosulfan II	<0.00540		0.0250	0.00540	ug/L		10/16/13 09:58	10/17/13 18:52	1
Endosulfan sulfate	<0.00650		0.0250	0.00650	ug/L		10/16/13 09:58	10/17/13 18:52	1
Endrin	<0.00660		0.0250	0.00660	ug/L		10/16/13 09:58	10/17/13 18:52	1
Endrin aldehyde	<0.00870		0.0250	0.00870	ug/L		10/16/13 09:58	10/17/13 18:52	1
Endrin ketone	<0.00650		0.0250	0.00650	ug/L		10/16/13 09:58	10/17/13 18:52	1
Heptachlor	<0.00570		0.0250	0.00570	ug/L		10/16/13 09:58	10/17/13 18:52	1
Heptachlor epoxide	<0.00700		0.0250	0.00700	ug/L		10/16/13 09:58	10/17/13 18:52	1
Methoxychlor	<0.00530		0.0250	0.00530	ug/L		10/16/13 09:58	10/17/13 18:52	1
Toxaphene	<0.0413		2.00	0.0413	ug/L		10/16/13 09:58	10/17/13 18:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	86		38 - 150	10/16/13 09:58	10/17/13 18:52	1
DCB Decachlorobiphenyl (Surr)	108		10 - 141	10/16/13 09:58	10/17/13 18:52	1

**Lab Sample ID: LCS 490-114718/2-A**

**Matrix: Water**

**Analysis Batch: 115150**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114718**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.4345		ug/L		87	38 - 128
alpha-BHC	0.500	0.4837		ug/L		97	47 - 136
beta-BHC	0.500	0.4387		ug/L		88	50 - 140
delta-BHC	0.500	0.4572		ug/L		91	35 - 145
gamma-BHC (Lindane)	0.500	0.4725		ug/L		94	50 - 138
alpha-Chlordane	0.500	0.4908		ug/L		98	49 - 137
gamma-Chlordane	0.500	0.5007		ug/L		100	46 - 143
4,4'-DDD	0.500	0.5075		ug/L		101	51 - 150
4,4'-DDE	0.500	0.4755		ug/L		95	49 - 138
4,4'-DDT	0.500	0.4370		ug/L		87	33 - 150
Dieldrin	0.500	0.5020		ug/L		100	49 - 136
Endosulfan I	0.500	0.4900		ug/L		98	10 - 150
Endosulfan II	0.500	0.5106		ug/L		102	11 - 150
Endosulfan sulfate	0.500	0.5187		ug/L		104	43 - 150
Endrin	0.500	0.5497		ug/L		110	54 - 150
Endrin aldehyde	0.500	0.4785		ug/L		96	50 - 150
Endrin ketone	0.500	0.5012		ug/L		100	50 - 147
Heptachlor	0.500	0.4169		ug/L		83	43 - 146
Heptachlor epoxide	0.500	0.4926		ug/L		99	50 - 136
Methoxychlor	0.500	0.5337		ug/L		107	35 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	89		38 - 150
DCB Decachlorobiphenyl (Surr)	105		10 - 141

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 490-114718/3-A**

**Matrix: Water**

**Analysis Batch: 115150**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114718**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlordane (technical)	5.00	3.848		ug/L		77	49 - 150
Toxaphene	10.0	7.601		ug/L		76	34 - 150
<b>Surrogate</b>							
	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				
Tetrachloro-m-xylene	90		38 - 150				
DCB Decachlorobiphenyl (Surr)	89 p		10 - 141				

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 490-114487/1-A**

**Matrix: Solid**

**Analysis Batch: 114829**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114487**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0100		0.0333	0.0100	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1221	<0.0100		0.0333	0.0100	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1232	<0.0200		0.0333	0.0200	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1242	<0.0100		0.0333	0.0100	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1248	<0.0100		0.0333	0.0100	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1254	<0.0100		0.0333	0.0100	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1260	<0.0100		0.0333	0.0100	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
<b>Surrogate</b>									
	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	75		20 - 150				10/15/13 12:56	10/16/13 15:41	1
Tetrachloro-m-xylene	94		19 - 147				10/15/13 12:56	10/16/13 15:41	1

**Lab Sample ID: LCS 490-114487/2-A**

**Matrix: Solid**

**Analysis Batch: 114829**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114487**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1248	0.167	0.1503		mg/Kg		90	45 - 149
<b>Surrogate</b>							
	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				
DCB Decachlorobiphenyl (Surr)	82		20 - 150				
Tetrachloro-m-xylene	83		19 - 147				

**Lab Sample ID: 490-37275-F-8-D MS**

**Matrix: Solid**

**Analysis Batch: 114829**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114487**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1248	<0.0111		0.184	0.1498		mg/Kg	☼	81	11 - 158
<b>Surrogate</b>									
	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
DCB Decachlorobiphenyl (Surr)	79		20 - 150						

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: 490-37275-F-8-D MS**  
**Matrix: Solid**  
**Analysis Batch: 114829**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 114487**

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	75		19 - 147

**Lab Sample ID: 490-37275-F-8-E MSD**  
**Matrix: Solid**  
**Analysis Batch: 114829**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 114487**

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
PCB-1248	<0.0111		0.181	0.1535		mg/Kg	☼	85	11 - 158	2	50	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	76		20 - 150
Tetrachloro-m-xylene	73		19 - 147

**Lab Sample ID: MB 490-114715/1-A**  
**Matrix: Water**  
**Analysis Batch: 115053**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114715**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0490		0.500	0.0490	ug/L		10/16/13 09:50	10/17/13 13:06	1
PCB-1221	<0.260		0.500	0.260	ug/L		10/16/13 09:50	10/17/13 13:06	1
PCB-1232	<0.0700		0.500	0.0700	ug/L		10/16/13 09:50	10/17/13 13:06	1
PCB-1242	<0.0640		0.500	0.0640	ug/L		10/16/13 09:50	10/17/13 13:06	1
PCB-1248	<0.0690		0.500	0.0690	ug/L		10/16/13 09:50	10/17/13 13:06	1
PCB-1254	<0.00700		0.500	0.00700	ug/L		10/16/13 09:50	10/17/13 13:06	1
PCB-1260	<0.0120		0.500	0.0120	ug/L		10/16/13 09:50	10/17/13 13:06	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	77		10 - 150	10/16/13 09:50	10/17/13 13:06	1
Tetrachloro-m-xylene	98		10 - 150	10/16/13 09:50	10/17/13 13:06	1

**Lab Sample ID: LCS 490-114715/2-A**  
**Matrix: Water**  
**Analysis Batch: 115053**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114715**

Analyte	Spike	LCS LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	
PCB-1248	5.00	4.317		ug/L		86	11 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	78		10 - 150
Tetrachloro-m-xylene	78		10 - 150

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 490-114861/1-A**  
**Matrix: Water**  
**Analysis Batch: 115271**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114861**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0680		0.100	0.0680	mg/L		10/16/13 14:45	10/17/13 22:06	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/16/13 14:45	10/17/13 22:06	1
Arsenic	0.005300	J	0.0100	0.00470	mg/L		10/16/13 14:45	10/17/13 22:06	1
Barium	<0.000500		0.0100	0.000500	mg/L		10/16/13 14:45	10/17/13 22:06	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/16/13 14:45	10/17/13 22:06	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/16/13 14:45	10/17/13 22:06	1
Calcium	<0.150		1.00	0.150	mg/L		10/16/13 14:45	10/17/13 22:06	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/16/13 14:45	10/17/13 22:06	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/16/13 14:45	10/17/13 22:06	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/16/13 14:45	10/17/13 22:06	1
Iron	0.01020	J	0.100	0.0100	mg/L		10/16/13 14:45	10/17/13 22:06	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/16/13 14:45	10/17/13 22:06	1
Magnesium	<0.0530		1.00	0.0530	mg/L		10/16/13 14:45	10/17/13 22:06	1
Manganese	<0.00200		0.0150	0.00200	mg/L		10/16/13 14:45	10/17/13 22:06	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/16/13 14:45	10/17/13 22:06	1
Potassium	0.3510	J	1.00	0.0880	mg/L		10/16/13 14:45	10/17/13 22:06	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/16/13 14:45	10/17/13 22:06	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/16/13 14:45	10/17/13 22:06	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/16/13 14:45	10/17/13 22:06	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/16/13 14:45	10/17/13 22:06	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/16/13 14:45	10/17/13 22:06	1

**Lab Sample ID: MB 490-114861/1-A**  
**Matrix: Water**  
**Analysis Batch: 115415**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114861**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.360		1.00	0.360	mg/L		10/16/13 14:45	10/18/13 11:57	1

**Lab Sample ID: LCS 490-114861/2-A**  
**Matrix: Water**  
**Analysis Batch: 115271**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114861**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	2.064		mg/L		103	80 - 120
Antimony	0.100	0.1064		mg/L		106	80 - 120
Arsenic	0.0500	0.04770		mg/L		95	80 - 120
Barium	2.00	2.114		mg/L		106	80 - 120
Beryllium	0.0500	0.05310		mg/L		106	80 - 120
Cadmium	0.0500	0.05210		mg/L		104	80 - 120
Calcium	5.00	4.802		mg/L		96	80 - 120
Chromium	0.200	0.2047		mg/L		102	80 - 120
Cobalt	0.500	0.5203		mg/L		104	80 - 120
Copper	0.250	0.2493		mg/L		100	80 - 120
Iron	1.00	1.032		mg/L		103	80 - 120
Lead	0.0500	0.05460		mg/L		109	80 - 120
Magnesium	5.00	5.096		mg/L		102	80 - 120
Manganese	0.500	0.5332		mg/L		107	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-114861/2-A**  
**Matrix: Water**  
**Analysis Batch: 115271**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114861**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Nickel	0.500	0.5238		mg/L		105	80 - 120	
Potassium	5.00	5.211		mg/L		104	80 - 120	
Selenium	0.0500	0.04630		mg/L		93	80 - 120	
Silver	0.0500	0.05090		mg/L		102	80 - 120	
Thallium	0.0500	0.05090		mg/L		102	80 - 120	
Vanadium	0.500	0.5037		mg/L		101	80 - 120	
Zinc	0.500	0.5018		mg/L		100	80 - 120	

**Lab Sample ID: LCS 490-114861/2-A**  
**Matrix: Water**  
**Analysis Batch: 115415**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114861**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Sodium	5.00	5.224		mg/L		104	80 - 120	

**Lab Sample ID: 490-37638-E-13-B MS**  
**Matrix: Water**  
**Analysis Batch: 115271**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 114861**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Aluminum	<0.0680		2.00	2.048		mg/L		102	75 - 125	
Antimony	<0.00670		0.100	0.1014		mg/L		101	75 - 125	
Arsenic	<0.00470		0.0500	0.05160		mg/L		103	75 - 125	
Barium	0.0206		2.00	2.070		mg/L		102	75 - 125	
Beryllium	<0.000300		0.0500	0.05400		mg/L		108	75 - 125	
Cadmium	<0.000200		0.0500	0.05280		mg/L		106	75 - 125	
Calcium	45.9		5.00	50.93	4	mg/L		101	75 - 125	
Chromium	<0.00120		0.200	0.2097		mg/L		105	75 - 125	
Cobalt	<0.000900		0.500	0.5132		mg/L		103	75 - 125	
Copper	<0.00700		0.250	0.2538		mg/L		102	75 - 125	
Iron	0.114	B	1.00	1.131		mg/L		102	75 - 125	
Lead	<0.00350		0.0500	0.05430		mg/L		109	75 - 125	
Magnesium	4.79		5.00	9.766		mg/L		100	75 - 125	
Manganese	0.0423		0.500	0.5886		mg/L		109	75 - 125	
Nickel	<0.00130		0.500	0.5162		mg/L		103	75 - 125	
Potassium	1.66	B	5.00	6.728		mg/L		101	75 - 125	
Selenium	<0.00640		0.0500	0.04560		mg/L		91	75 - 125	
Silver	<0.00130		0.0500	0.05340		mg/L		107	75 - 125	
Sodium	6.51		5.00	10.92		mg/L		88	75 - 125	
Thallium	<0.00450		0.0500	0.04910		mg/L		98	75 - 125	
Vanadium	<0.0150		0.500	0.5230		mg/L		105	75 - 125	
Zinc	0.0149	J	0.500	0.5199		mg/L		101	75 - 125	

**Lab Sample ID: 490-37638-E-13-C MSD**  
**Matrix: Water**  
**Analysis Batch: 115271**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 114861**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
									Limits		RPD	Limit
Aluminum	<0.0680		2.00	2.249		mg/L		112	75 - 125	9	20	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37638-E-13-C MSD**

**Matrix: Water**

**Analysis Batch: 115271**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114861**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
Antimony	<0.00670		0.100	0.1035		mg/L		104	75 - 125	2	20	
Arsenic	<0.00470		0.0500	0.04810		mg/L		96	75 - 125	7	20	
Barium	0.0206		2.00	2.083		mg/L		103	75 - 125	1	20	
Beryllium	<0.000300		0.0500	0.05660		mg/L		113	75 - 125	5	20	
Cadmium	<0.000200		0.0500	0.05000		mg/L		100	75 - 125	5	20	
Calcium	45.9		5.00	53.93	4	mg/L		161	75 - 125	6	20	
Chromium	<0.00120		0.200	0.1986		mg/L		99	75 - 125	5	20	
Cobalt	<0.000900		0.500	0.5106		mg/L		102	75 - 125	1	20	
Copper	<0.00700		0.250	0.2645		mg/L		106	75 - 125	4	20	
Iron	0.114	B	1.00	1.195		mg/L		108	75 - 125	6	20	
Lead	<0.00350		0.0500	0.05570		mg/L		111	75 - 125	3	20	
Magnesium	4.79		5.00	10.30		mg/L		110	75 - 125	5	20	
Manganese	0.0423		0.500	0.5600		mg/L		104	75 - 125	5	20	
Nickel	<0.00130		0.500	0.5143		mg/L		103	75 - 125	0	20	
Potassium	1.66	B	5.00	7.009		mg/L		107	75 - 125	4	20	
Selenium	<0.00640		0.0500	0.04880		mg/L		98	75 - 125	7	20	
Silver	<0.00130		0.0500	0.05160		mg/L		103	75 - 125	3	20	
Sodium	6.51		5.00	11.23		mg/L		94	75 - 125	3	20	
Thallium	<0.00450		0.0500	0.04710		mg/L		94	75 - 125	4	20	
Vanadium	<0.0150		0.500	0.5472		mg/L		109	75 - 125	5	20	
Zinc	0.0149	J	0.500	0.4983		mg/L		97	75 - 125	4	20	

**Lab Sample ID: MB 490-115480/1-A**

**Matrix: Solid**

**Analysis Batch: 115954**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 115480**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Aluminum	<15.3		19.1	15.3	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Antimony	<1.34		9.54	1.34	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Arsenic	<0.906		1.91	0.906	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Barium	<0.191		1.91	0.191	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Beryllium	<0.0954		0.954	0.0954	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Cadmium	<0.0954		0.954	0.0954	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Calcium	<42.0		191	42.0	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Chromium	<0.286		0.954	0.286	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Cobalt	<0.286		1.91	0.286	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Copper	<1.62		1.91	1.62	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Iron	2.347	J	19.1	1.43	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Lead	<0.668		0.954	0.668	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Magnesium	<12.4		191	12.4	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Manganese	<0.315		2.86	0.315	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Nickel	<0.286		1.91	0.286	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Potassium	38.44	J	191	19.1	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Selenium	<1.43		1.91	1.43	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Silver	<0.286		0.954	0.286	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Sodium	100.7	J	191	19.1	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Thallium	<1.15		1.91	1.15	mg/Kg		10/18/13 15:23	10/21/13 18:04		1
Vanadium	<2.96		9.54	2.96	mg/Kg		10/18/13 15:23	10/21/13 18:04		1

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-115480/1-A**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.954		9.54	0.954	mg/Kg		10/18/13 15:23	10/21/13 18:04	1

**Lab Sample ID: LCS 490-115480/2-A**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	774	749.7		mg/Kg		97	80 - 120
Antimony	38.7	37.02		mg/Kg		96	80 - 120
Arsenic	19.3	17.72		mg/Kg		92	80 - 120
Barium	774	807.4		mg/Kg		104	80 - 120
Beryllium	19.3	20.60		mg/Kg		106	80 - 120
Cadmium	19.3	19.85		mg/Kg		103	80 - 120
Calcium	1930	1959		mg/Kg		101	80 - 120
Chromium	77.4	78.99		mg/Kg		102	80 - 120
Cobalt	193	200.2		mg/Kg		103	80 - 120
Copper	96.7	97.06		mg/Kg		100	80 - 120
Lead	19.3	20.06		mg/Kg		104	80 - 120
Magnesium	1930	1963		mg/Kg		101	80 - 120
Manganese	193	204.8		mg/Kg		106	80 - 120
Nickel	193	204.3		mg/Kg		106	80 - 120
Potassium	1930	1942		mg/Kg		100	80 - 120
Selenium	19.3	19.03		mg/Kg		98	80 - 120
Silver	19.3	18.99		mg/Kg		98	80 - 120
Sodium	1930	2039		mg/Kg		105	80 - 120
Thallium	19.3	19.21		mg/Kg		99	80 - 120
Vanadium	193	197.7		mg/Kg		102	80 - 120
Zinc	193	192.3		mg/Kg		99	80 - 120

**Lab Sample ID: LCSD 490-115480/3-A**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	774	748.5		mg/Kg		97	80 - 120	0	20
Antimony	38.7	36.54		mg/Kg		94	80 - 120	1	20
Arsenic	19.3	17.95		mg/Kg		93	80 - 120	1	20
Barium	774	813.2		mg/Kg		105	80 - 120	1	20
Beryllium	19.3	20.52		mg/Kg		106	80 - 120	0	20
Cadmium	19.3	20.19		mg/Kg		104	80 - 120	2	20
Calcium	1930	1942		mg/Kg		100	80 - 120	1	20
Chromium	77.4	80.79		mg/Kg		104	80 - 120	2	20
Cobalt	193	199.8		mg/Kg		103	80 - 120	0	20
Copper	96.7	96.54		mg/Kg		100	80 - 120	1	20
Lead	19.3	20.27		mg/Kg		105	80 - 120	1	20
Magnesium	1930	1957		mg/Kg		101	80 - 120	0	20
Manganese	193	206.0		mg/Kg		106	80 - 120	1	20
Nickel	193	202.3		mg/Kg		105	80 - 120	1	20
Potassium	1930	1929		mg/Kg		100	80 - 120	1	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCSD 490-115480/3-A**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Selenium	19.3	19.71		mg/Kg		102	80 - 120	3	20	
Silver	19.3	19.26		mg/Kg		100	80 - 120	1	20	
Sodium	1930	2010		mg/Kg		104	80 - 120	1	20	
Thallium	19.3	18.76		mg/Kg		97	80 - 120	2	20	
Vanadium	193	197.1		mg/Kg		102	80 - 120	0	20	
Zinc	193	192.5		mg/Kg		99	80 - 120	0	20	

**Lab Sample ID: LCSD 490-115480/3-A**  
**Matrix: Solid**  
**Analysis Batch: 116091**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Iron	387	403.5		mg/Kg		104	80 - 120	1	20	

**Lab Sample ID: 490-37988-A-2-E MS**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	RPD
Aluminum	11000		828	12600	4	mg/Kg	☼	191	75 - 125	
Antimony	<1.44		41.4	31.01		mg/Kg	☼	75	75 - 125	
Arsenic	6.54		20.7	22.43		mg/Kg	☼	77	75 - 125	
Barium	425		828	1134		mg/Kg	☼	86	75 - 125	
Beryllium	0.617	J	20.7	19.64		mg/Kg	☼	92	75 - 125	
Cadmium	0.411	J	20.7	18.23		mg/Kg	☼	86	75 - 125	
Calcium	42800		2070	41650	4	mg/Kg	☼	-56	75 - 125	
Chromium	12.6		82.8	85.22		mg/Kg	☼	88	75 - 125	
Cobalt	6.50		207	203.4		mg/Kg	☼	95	75 - 125	
Copper	13.9		103	105.1		mg/Kg	☼	88	75 - 125	
Iron	16700	B *	414	16570	4	mg/Kg	☼	-31	75 - 125	
Lead	25.3		20.7	39.25	F	mg/Kg	☼	68	75 - 125	
Magnesium	11300		2070	12910	4	mg/Kg	☼	79	75 - 125	
Manganese	519		207	669.3	F	mg/Kg	☼	73	75 - 125	
Nickel	17.4		207	217.2		mg/Kg	☼	97	75 - 125	
Potassium	1610	B	2070	3437		mg/Kg	☼	88	75 - 125	
Selenium	<1.54		20.7	16.45		mg/Kg	☼	80	75 - 125	
Silver	<0.309		20.7	18.00		mg/Kg	☼	87	75 - 125	
Sodium	241	B	2070	2115		mg/Kg	☼	91	75 - 125	
Thallium	<1.23		20.7	18.85		mg/Kg	☼	91	75 - 125	
Vanadium	20.0		207	200.6		mg/Kg	☼	87	75 - 125	
Zinc	51.7		207	228.4		mg/Kg	☼	85	75 - 125	

**Lab Sample ID: 490-37988-A-2-F MSD**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	RPD
Aluminum	11000		859	17260	4 F	mg/Kg	☼	726	75 - 125	31
Antimony	<1.44		43.0	34.69		mg/Kg	☼	81	75 - 125	11

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37988-A-2-F MSD**  
**Matrix: Solid**  
**Analysis Batch: 115954**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 115480**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Arsenic	6.54		21.5	26.33		mg/Kg	*	92	75 - 125	16	20
Barium	425		859	1190		mg/Kg	*	89	75 - 125	5	20
Beryllium	0.617	J	21.5	21.11		mg/Kg	*	95	75 - 125	7	20
Cadmium	0.411	J	21.5	19.85		mg/Kg	*	90	75 - 125	8	20
Calcium	42800		2150	44630	4	mg/Kg	*	85	75 - 125	7	20
Chromium	12.6		85.9	96.41		mg/Kg	*	98	75 - 125	12	20
Cobalt	6.50		215	219.5		mg/Kg	*	99	75 - 125	8	20
Copper	13.9		107	110.1		mg/Kg	*	90	75 - 125	5	20
Iron	16700	B *	430	19500	4	mg/Kg	*	651	75 - 125	16	20
Lead	25.3		21.5	40.51	F	mg/Kg	*	71	75 - 125	3	20
Magnesium	11300		2150	14320	4	mg/Kg	*	142	75 - 125	10	20
Manganese	519		215	727.7		mg/Kg	*	97	75 - 125	8	20
Nickel	17.4		215	233.3		mg/Kg	*	100	75 - 125	7	20
Potassium	1610	B	2150	4422	F	mg/Kg	*	131	75 - 125	25	20
Selenium	<1.54		21.5	18.92		mg/Kg	*	88	75 - 125	14	20
Silver	<0.309		21.5	19.46		mg/Kg	*	91	75 - 125	8	20
Sodium	241	B	2150	2247		mg/Kg	*	93	75 - 125	6	20
Thallium	<1.23		21.5	20.17		mg/Kg	*	94	75 - 125	7	20
Vanadium	20.0		215	224.0		mg/Kg	*	95	75 - 125	11	20
Zinc	51.7		215	245.7		mg/Kg	*	90	75 - 125	7	20

**Lab Sample ID: MB 490-115747/1-A**  
**Matrix: Solid**  
**Analysis Batch: 116297**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 115747**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Aluminum	<15.8		19.7	15.8	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Antimony	<1.38		9.86	1.38	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Arsenic	<0.937		1.97	0.937	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Barium	<0.197		1.97	0.197	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Beryllium	<0.0986		0.986	0.0986	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Cadmium	<0.0986		0.986	0.0986	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Calcium	<43.4		197	43.4	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Chromium	<0.296		0.986	0.296	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Cobalt	<0.296		1.97	0.296	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Copper	<1.68		1.97	1.68	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Iron	<1.48		19.7	1.48	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Lead	<0.690		0.986	0.690	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Magnesium	<12.8		197	12.8	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Manganese	1.637	J	2.96	0.325	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Nickel	<0.296		1.97	0.296	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Potassium	70.28	J	197	19.7	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Selenium	<1.48		1.97	1.48	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Silver	<0.296		0.986	0.296	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Sodium	149.0	J	197	19.7	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Thallium	<1.18		1.97	1.18	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Vanadium	<3.06		9.86	3.06	mg/Kg		10/21/13 09:27	10/22/13 15:16		1
Zinc	<0.986		9.86	0.986	mg/Kg		10/21/13 09:27	10/22/13 15:16		1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-115747/2-A**

**Matrix: Solid**

**Analysis Batch: 116297**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 115747**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	771	741.2		mg/Kg		96	80 - 120
Antimony	38.5	36.13		mg/Kg		94	80 - 120
Arsenic	19.3	17.94		mg/Kg		93	80 - 120
Barium	771	773.8		mg/Kg		100	80 - 120
Beryllium	19.3	19.58		mg/Kg		102	80 - 120
Cadmium	19.3	18.82		mg/Kg		98	80 - 120
Calcium	1930	1847		mg/Kg		96	80 - 120
Chromium	77.1	77.67		mg/Kg		101	80 - 120
Cobalt	193	193.4		mg/Kg		100	80 - 120
Copper	96.3	94.43		mg/Kg		98	80 - 120
Iron	385	393.8		mg/Kg		102	80 - 120
Lead	19.3	19.19		mg/Kg		100	80 - 120
Magnesium	1930	1878		mg/Kg		97	80 - 120
Manganese	193	199.0		mg/Kg		103	80 - 120
Nickel	193	198.5		mg/Kg		103	80 - 120
Potassium	1930	1858		mg/Kg		96	80 - 120
Selenium	19.3	18.63		mg/Kg		97	80 - 120
Silver	19.3	19.04		mg/Kg		99	80 - 120
Sodium	1930	2017		mg/Kg		105	80 - 120
Thallium	19.3	17.94		mg/Kg		93	80 - 120
Vanadium	193	190.3		mg/Kg		99	80 - 120
Zinc	193	184.4		mg/Kg		96	80 - 120

**Lab Sample ID: 490-38079-A-2-AC MS**

**Matrix: Solid**

**Analysis Batch: 116297**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 115747**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10500		889	12530	4	mg/Kg	☼	228	75 - 125
Antimony	<1.49		44.5	38.39		mg/Kg	☼	86	75 - 125
Arsenic	5.57		22.2	24.25		mg/Kg	☼	84	75 - 125
Barium	186		889	990.8		mg/Kg	☼	91	75 - 125
Beryllium	0.531	J	22.2	21.70		mg/Kg	☼	95	75 - 125
Cadmium	0.382	J	22.2	20.67		mg/Kg	☼	91	75 - 125
Calcium	13800		2220	12190	4	mg/Kg	☼	-72	75 - 125
Chromium	18.6		88.9	103.0		mg/Kg	☼	95	75 - 125
Cobalt	9.41		222	226.5		mg/Kg	☼	98	75 - 125
Copper	20.7		111	120.7		mg/Kg	☼	90	75 - 125
Iron	21100		445	21560	4	mg/Kg	☼	92	75 - 125
Lead	11.5		22.2	31.81		mg/Kg	☼	91	75 - 125
Magnesium	7900		2220	9481	F	mg/Kg	☼	71	75 - 125
Manganese	280	B	222	453.9		mg/Kg	☼	78	75 - 125
Nickel	27.9		222	251.9		mg/Kg	☼	101	75 - 125
Potassium	740	B	2220	2647		mg/Kg	☼	86	75 - 125
Selenium	<1.59		22.2	17.14		mg/Kg	☼	77	75 - 125
Silver	<0.319		22.2	19.76		mg/Kg	☼	89	75 - 125
Sodium	196	J B	2220	2274		mg/Kg	☼	93	75 - 125
Thallium	<1.27		22.2	20.96		mg/Kg	☼	94	75 - 125

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-38079-A-2-AC MS**  
**Matrix: Solid**  
**Analysis Batch: 116297**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 115747**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Vanadium	25.2		222	230.7		mg/Kg	☼	92	75 - 125	
Zinc	64.5		222	262.5		mg/Kg	☼	89	75 - 125	

**Lab Sample ID: 490-38079-A-2-AD MSD**  
**Matrix: Solid**  
**Analysis Batch: 116297**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 115747**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aluminum	10500		873	16060	4	mg/Kg	☼	637	75 - 125	25	20	
Antimony	<1.49		43.7	37.16		mg/Kg	☼	85	75 - 125	3	20	
Arsenic	5.57		21.8	23.80		mg/Kg	☼	84	75 - 125	2	20	
Barium	186		873	1029		mg/Kg	☼	97	75 - 125	4	20	
Beryllium	0.531	J	21.8	21.11		mg/Kg	☼	94	75 - 125	3	20	
Cadmium	0.382	J	21.8	20.26		mg/Kg	☼	91	75 - 125	2	20	
Calcium	13800		2180	14370	4	mg/Kg	☼	26	75 - 125	16	20	
Chromium	18.6		87.3	105.8		mg/Kg	☼	100	75 - 125	3	20	
Cobalt	9.41		218	225.3		mg/Kg	☼	99	75 - 125	1	20	
Copper	20.7		109	121.6		mg/Kg	☼	92	75 - 125	1	20	
Iron	21100		437	23710	4	mg/Kg	☼	588	75 - 125	10	20	
Lead	11.5		21.8	34.12		mg/Kg	☼	104	75 - 125	7	20	
Magnesium	7900		2180	10550		mg/Kg	☼	121	75 - 125	11	20	
Manganese	280	B	218	503.2		mg/Kg	☼	102	75 - 125	10	20	
Nickel	27.9		218	250.4		mg/Kg	☼	102	75 - 125	1	20	
Potassium	740	B	2180	3179		mg/Kg	☼	112	75 - 125	18	20	
Selenium	<1.59		21.8	17.29		mg/Kg	☼	79	75 - 125	1	20	
Silver	<0.319		21.8	19.15		mg/Kg	☼	88	75 - 125	3	20	
Sodium	196	J B	2180	2233		mg/Kg	☼	93	75 - 125	2	20	
Thallium	<1.27		21.8	20.65		mg/Kg	☼	95	75 - 125	1	20	
Vanadium	25.2		218	229.7		mg/Kg	☼	94	75 - 125	0	20	
Zinc	64.5		218	267.0		mg/Kg	☼	93	75 - 125	2	20	

**Lab Sample ID: MB 490-115420/1-B**  
**Matrix: Water**  
**Analysis Batch: 116048**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 115422**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	0.08380	J	0.100	0.0680	mg/L		10/18/13 13:24	10/21/13 17:42	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/18/13 13:24	10/21/13 17:42	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/18/13 13:24	10/21/13 17:42	1
Barium	<0.000500		0.0100	0.000500	mg/L		10/18/13 13:24	10/21/13 17:42	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/18/13 13:24	10/21/13 17:42	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/18/13 13:24	10/21/13 17:42	1
Calcium	<0.150		1.00	0.150	mg/L		10/18/13 13:24	10/21/13 17:42	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/18/13 13:24	10/21/13 17:42	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/18/13 13:24	10/21/13 17:42	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/18/13 13:24	10/21/13 17:42	1
Iron	<0.0100		0.100	0.0100	mg/L		10/18/13 13:24	10/21/13 17:42	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/18/13 13:24	10/21/13 17:42	1
Magnesium	<0.0530		1.00	0.0530	mg/L		10/18/13 13:24	10/21/13 17:42	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-115420/1-B**  
**Matrix: Water**  
**Analysis Batch: 116048**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 115422**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Manganese	<0.00200		0.0150	0.00200	mg/L		10/18/13 13:24	10/21/13 17:42	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/18/13 13:24	10/21/13 17:42	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/18/13 13:24	10/21/13 17:42	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/18/13 13:24	10/21/13 17:42	1
Thallium	0.005400	J	0.0100	0.00450	mg/L		10/18/13 13:24	10/21/13 17:42	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/18/13 13:24	10/21/13 17:42	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/18/13 13:24	10/21/13 17:42	1

**Lab Sample ID: MB 490-115420/1-B**  
**Matrix: Water**  
**Analysis Batch: 116362**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 115422**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Potassium	<0.0880		1.00	0.0880	mg/L		10/18/13 13:24	10/23/13 09:02	1
Sodium	<0.360		1.00	0.360	mg/L		10/18/13 13:24	10/23/13 09:02	1

**Lab Sample ID: LCS 490-115420/2-B**  
**Matrix: Water**  
**Analysis Batch: 116048**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 115422**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	2.00	2.126		mg/L		106	80 - 120	
Antimony	0.100	0.1058		mg/L		106	80 - 120	
Arsenic	0.0500	0.04920		mg/L		98	80 - 120	
Barium	2.00	2.125		mg/L		106	80 - 120	
Beryllium	0.0500	0.05530		mg/L		111	80 - 120	
Cadmium	0.0500	0.05390		mg/L		108	80 - 120	
Calcium	5.00	5.336		mg/L		107	80 - 120	
Chromium	0.200	0.2115		mg/L		106	80 - 120	
Cobalt	0.500	0.5178		mg/L		104	80 - 120	
Copper	0.250	0.2488		mg/L		100	80 - 120	
Iron	1.00	1.051		mg/L		105	80 - 120	
Lead	0.0500	0.05330		mg/L		107	80 - 120	
Magnesium	5.00	5.305		mg/L		106	80 - 120	
Manganese	0.500	0.5473		mg/L		109	80 - 120	
Nickel	0.500	0.5256		mg/L		105	80 - 120	
Selenium	0.0500	0.05020		mg/L		100	80 - 120	
Silver	0.0500	0.05480		mg/L		110	80 - 120	
Thallium	0.0500	0.05520		mg/L		110	80 - 120	
Vanadium	0.500	0.5196		mg/L		104	80 - 120	
Zinc	0.500	0.5122		mg/L		102	80 - 120	

**Lab Sample ID: LCSD 490-115420/3-B**  
**Matrix: Water**  
**Analysis Batch: 116048**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 115422**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD
							Limits	RPD	Limit
Aluminum	2.00	2.073		mg/L		104	80 - 120	3	20
Antimony	0.100	0.1060		mg/L		106	80 - 120	0	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCSD 490-115420/3-B**  
**Matrix: Water**  
**Analysis Batch: 116048**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 115422**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Arsenic	0.0500	0.05490		mg/L		110	80 - 120	11	20	
Barium	2.00	2.158		mg/L		108	80 - 120	2	20	
Beryllium	0.0500	0.05620		mg/L		112	80 - 120	2	20	
Cadmium	0.0500	0.05480		mg/L		110	80 - 120	2	20	
Calcium	5.00	5.393		mg/L		108	80 - 120	1	20	
Chromium	0.200	0.2150		mg/L		108	80 - 120	2	20	
Cobalt	0.500	0.5272		mg/L		105	80 - 120	2	20	
Copper	0.250	0.2668		mg/L		107	80 - 120	7	20	
Iron	1.00	1.063		mg/L		106	80 - 120	1	20	
Lead	0.0500	0.05470		mg/L		109	80 - 120	3	20	
Magnesium	5.00	5.316		mg/L		106	80 - 120	0	20	
Manganese	0.500	0.5585		mg/L		112	80 - 120	2	20	
Nickel	0.500	0.5321		mg/L		106	80 - 120	1	20	
Selenium	0.0500	0.04910		mg/L		98	80 - 120	2	20	
Silver	0.0500	0.05390		mg/L		108	80 - 120	2	20	
Thallium	0.0500	0.05530		mg/L		111	80 - 120	0	20	
Vanadium	0.500	0.5246		mg/L		105	80 - 120	1	20	
Zinc	0.500	0.5228		mg/L		105	80 - 120	2	20	

**Lab Sample ID: LCSD 490-115420/3-B**  
**Matrix: Water**  
**Analysis Batch: 116362**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 115422**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Potassium	5.00	5.334		mg/L		107	80 - 120	2	20	
Sodium	5.00	5.743		mg/L		115	80 - 120	2	20	

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 490-116434/1-A**  
**Matrix: Water**  
**Analysis Batch: 116761**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 116434**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000150		0.000200	0.000150	mg/L		10/23/13 12:54	10/24/13 11:19	1

**Lab Sample ID: LCS 490-116434/2-A**  
**Matrix: Water**  
**Analysis Batch: 116761**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 116434**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Mercury	0.00100	0.001074		mg/L		107	80 - 120	

**Lab Sample ID: 490-37637-3 MS**  
**Matrix: Water**  
**Analysis Batch: 116761**

**Client Sample ID: Tract 6 TW1 (8-12)**  
**Prep Type: Total/NA**  
**Prep Batch: 116434**

Analyte	Sample		Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
	Result	Qualifier							Limits	RPD
Mercury	<0.000150		0.00100	0.0008377		mg/L		84	75 - 125	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 7470A - Mercury (CVAA) (Continued)

**Lab Sample ID: 490-37637-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 116761**

**Client Sample ID: Tract 6 TW1 (8-12)**  
**Prep Type: Total/NA**  
**Prep Batch: 116434**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.000150		0.00100	0.0008585		mg/L		86	75 - 125	2	20

**Lab Sample ID: MB 490-116614/1-B**  
**Matrix: Water**  
**Analysis Batch: 116921**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 116615**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/24/13 08:25	10/24/13 14:28	1

**Lab Sample ID: LCS 490-116614/2-B**  
**Matrix: Water**  
**Analysis Batch: 116921**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 116615**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.001119		mg/L		112	80 - 120

**Lab Sample ID: LCSD 490-116614/3-B**  
**Matrix: Water**  
**Analysis Batch: 116921**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 116615**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.0009750		mg/L		98	80 - 120	14	20

## Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

**Lab Sample ID: MB 490-116388/1-A**  
**Matrix: Solid**  
**Analysis Batch: 117018**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 116388**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0300		0.0998	0.0300	mg/Kg		10/23/13 11:35	10/25/13 08:23	1

**Lab Sample ID: LCS 490-116388/2-A**  
**Matrix: Solid**  
**Analysis Batch: 117018**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 116388**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.161	0.1704		mg/Kg		106	80 - 120

**Lab Sample ID: 490-37637-1 MS**  
**Matrix: Soil**  
**Analysis Batch: 117018**

**Client Sample ID: Tract 6 SB1-(0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 116388**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.202		0.195	0.3550	F	mg/Kg	☼	78	80 - 120

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique) (Continued)

Lab Sample ID: 490-37637-1 MSD  
Matrix: Soil  
Analysis Batch: 117018

Client Sample ID: Tract 6 SB1-(0-2)  
Prep Type: Total/NA  
Prep Batch: 116388

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.202		0.195	0.4466	F	mg/Kg	☼	125	80 - 120	23	20

## Method: Moisture - Percent Moisture

Lab Sample ID: 490-37637-1 DU  
Matrix: Soil  
Analysis Batch: 114117

Client Sample ID: Tract 6 SB1-(0-2)  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	85		86		%		1	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## GC/MS VOA

### Prep Batch: 113952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	5035	
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	5035	
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	5035	
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	5035	

### Analysis Batch: 114468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Total/NA	Water	8260B	
490-37637-6	Tract 6 TW2 54-58	Total/NA	Water	8260B	
490-37637-7	Trip Blank	Total/NA	Water	8260B	
490-37783-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-37783-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-114468/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-114468/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-114468/7	Method Blank	Total/NA	Water	8260B	

### Analysis Batch: 114976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	8260B	113952
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	8260B	113952
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	8260B	113952
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	8260B	113952
LCS 490-114976/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-114976/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-114976/7	Method Blank	Total/NA	Solid	8260B	

### Analysis Batch: 115040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37615-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-37615-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
490-37637-8	Trip Blank	Total/NA	Water	8260B	
LCS 490-115040/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-115040/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-115040/7	Method Blank	Total/NA	Water	8260B	

## GC/MS Semi VOA

### Prep Batch: 114675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	3550C	
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	3550C	
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	3550C	
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	3550C	
490-37729-A-4-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-37729-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
LCS 490-114675/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-114675/1-A	Method Blank	Total/NA	Solid	3550C	

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## GC/MS Semi VOA (Continued)

### Prep Batch: 114792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Total/NA	Water	3510C	
490-37637-6	Tract 6 TW2 54-58	Total/NA	Water	3510C	
LCS 490-114792/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-114792/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 115014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Total/NA	Water	8270D	114792
490-37637-6	Tract 6 TW2 54-58	Total/NA	Water	8270D	114792
LCS 490-114792/2-A	Lab Control Sample	Total/NA	Water	8270D	114792
MB 490-114792/1-A	Method Blank	Total/NA	Water	8270D	114792

### Analysis Batch: 115140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	8270D	114675
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	8270D	114675
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	8270D	114675
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	8270D	114675
490-37729-A-4-B MS	Matrix Spike	Total/NA	Solid	8270D	114675
490-37729-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	114675
LCS 490-114675/2-A	Lab Control Sample	Total/NA	Solid	8270D	114675
MB 490-114675/1-A	Method Blank	Total/NA	Solid	8270D	114675

## GC Semi VOA

### Prep Batch: 114328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	3550C	
490-37637-1 MS	Tract 6 SB1-(0-2)	Total/NA	Soil	3550C	
490-37637-1 MSD	Tract 6 SB1-(0-2)	Total/NA	Soil	3550C	
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	3550C	
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	3550C	
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	3550C	
LCS 490-114328/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 490-114328/3-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-114328/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 114487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-F-8-D MS	Matrix Spike	Total/NA	Solid	3550C	
490-37275-F-8-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	3550C	
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	3550C	
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	3550C	
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	3550C	
LCS 490-114487/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-114487/1-A	Method Blank	Total/NA	Solid	3550C	

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## GC Semi VOA (Continued)

### Analysis Batch: 114696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	8081B	114328
490-37637-1 MS	Tract 6 SB1-(0-2)	Total/NA	Soil	8081B	114328
490-37637-1 MSD	Tract 6 SB1-(0-2)	Total/NA	Soil	8081B	114328
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	8081B	114328
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	8081B	114328
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	8081B	114328
LCS 490-114328/2-A	Lab Control Sample	Total/NA	Solid	8081B	114328
LCS 490-114328/3-A	Lab Control Sample	Total/NA	Solid	8081B	114328
MB 490-114328/1-A	Method Blank	Total/NA	Solid	8081B	114328

### Prep Batch: 114715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Total/NA	Water	3510C	
490-37637-6	Tract 6 TW2 54-58	Total/NA	Water	3510C	
LCS 490-114715/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-114715/1-A	Method Blank	Total/NA	Water	3510C	

### Prep Batch: 114718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Total/NA	Water	3510C	
490-37637-6	Tract 6 TW2 54-58	Total/NA	Water	3510C	
LCS 490-114718/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 490-114718/3-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-114718/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 114829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-F-8-D MS	Matrix Spike	Total/NA	Solid	8082A	114487
490-37275-F-8-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	114487
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	8082A	114487
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	8082A	114487
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	8082A	114487
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	8082A	114487
LCS 490-114487/2-A	Lab Control Sample	Total/NA	Solid	8082A	114487
MB 490-114487/1-A	Method Blank	Total/NA	Solid	8082A	114487

### Analysis Batch: 115053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Total/NA	Water	8082A	114715
490-37637-6	Tract 6 TW2 54-58	Total/NA	Water	8082A	114715
LCS 490-114715/2-A	Lab Control Sample	Total/NA	Water	8082A	114715
MB 490-114715/1-A	Method Blank	Total/NA	Water	8082A	114715

### Analysis Batch: 115150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	8081B	114328
LCS 490-114718/2-A	Lab Control Sample	Total/NA	Water	8081B	114718
LCS 490-114718/3-A	Lab Control Sample	Total/NA	Water	8081B	114718
MB 490-114718/1-A	Method Blank	Total/NA	Water	8081B	114718

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## GC Semi VOA (Continued)

### Analysis Batch: 115401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	8081B	114328
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	8081B	114328
490-37637-3	Tract 6 TW1 (8-12)	Total/NA	Water	8081B	114718
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	8081B	114328
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	8081B	114328
490-37637-6	Tract 6 TW2 54-58	Total/NA	Water	8081B	114718

### Analysis Batch: 116122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	8081B	114328
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	8081B	114328
490-37637-3	Tract 6 TW1 (8-12)	Total/NA	Water	8081B	114718
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	8081B	114328
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	8081B	114328
490-37637-6	Tract 6 TW2 54-58	Total/NA	Water	8081B	114718

## Metals

### Prep Batch: 114861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Total/NA	Water	3010A	
490-37637-6	Tract 6 TW2 54-58	Total/NA	Water	3010A	
490-37638-E-13-B MS	Matrix Spike	Total/NA	Water	3010A	
490-37638-E-13-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
LCS 490-114861/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 490-114861/1-A	Method Blank	Total/NA	Water	3010A	

### Analysis Batch: 115271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Total/NA	Water	6010C	114861
490-37637-6	Tract 6 TW2 54-58	Total/NA	Water	6010C	114861
490-37638-E-13-B MS	Matrix Spike	Total/NA	Water	6010C	114861
490-37638-E-13-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010C	114861
LCS 490-114861/2-A	Lab Control Sample	Total/NA	Water	6010C	114861
MB 490-114861/1-A	Method Blank	Total/NA	Water	6010C	114861

### Analysis Batch: 115415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-114861/2-A	Lab Control Sample	Total/NA	Water	6010C	114861
MB 490-114861/1-A	Method Blank	Total/NA	Water	6010C	114861

### Filtration Batch: 115420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Dissolved	Water	Filtration	
490-37637-6	Tract 6 TW2 54-58	Dissolved	Water	Filtration	
LCS 490-115420/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-115420/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-115420/1-B	Method Blank	Dissolved	Water	Filtration	

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Metals (Continued)

### Prep Batch: 115422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Dissolved	Water	3005A	115420
490-37637-6	Tract 6 TW2 54-58	Dissolved	Water	3005A	115420
LCS 490-115420/2-B	Lab Control Sample	Dissolved	Water	3005A	115420
LCSD 490-115420/3-B	Lab Control Sample Dup	Dissolved	Water	3005A	115420
MB 490-115420/1-B	Method Blank	Dissolved	Water	3005A	115420

### Prep Batch: 115480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	3051A	
490-37988-A-2-E MS	Matrix Spike	Total/NA	Solid	3051A	
490-37988-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3051A	
LCS 490-115480/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 490-115480/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	
MB 490-115480/1-A	Method Blank	Total/NA	Solid	3051A	

### Prep Batch: 115747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	3051A	
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	3051A	
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	3051A	
490-38079-A-2-AC MS	Matrix Spike	Total/NA	Solid	3051A	
490-38079-A-2-AD MSD	Matrix Spike Duplicate	Total/NA	Solid	3051A	
LCS 490-115747/2-A	Lab Control Sample	Total/NA	Solid	3051A	
MB 490-115747/1-A	Method Blank	Total/NA	Solid	3051A	

### Analysis Batch: 115954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	6010C	115480
490-37988-A-2-E MS	Matrix Spike	Total/NA	Solid	6010C	115480
490-37988-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	115480
LCS 490-115480/2-A	Lab Control Sample	Total/NA	Solid	6010C	115480
LCSD 490-115480/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	115480
MB 490-115480/1-A	Method Blank	Total/NA	Solid	6010C	115480

### Analysis Batch: 116048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Dissolved	Water	6010C	115422
490-37637-6	Tract 6 TW2 54-58	Dissolved	Water	6010C	115422
LCS 490-115420/2-B	Lab Control Sample	Dissolved	Water	6010C	115422
LCSD 490-115420/3-B	Lab Control Sample Dup	Dissolved	Water	6010C	115422
MB 490-115420/1-B	Method Blank	Dissolved	Water	6010C	115422

### Analysis Batch: 116091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 490-115480/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	115480

### Analysis Batch: 116297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	6010C	115747
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	6010C	115747
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	6010C	115747

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 116297 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-38079-A-2-AC MS	Matrix Spike	Total/NA	Solid	6010C	115747
490-38079-A-2-AD MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	115747
LCS 490-115747/2-A	Lab Control Sample	Total/NA	Solid	6010C	115747
MB 490-115747/1-A	Method Blank	Total/NA	Solid	6010C	115747

### Analysis Batch: 116362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 490-115420/3-B	Lab Control Sample Dup	Dissolved	Water	6010C	115422
MB 490-115420/1-B	Method Blank	Dissolved	Water	6010C	115422

### Prep Batch: 116388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	7471B	
490-37637-1 MS	Tract 6 SB1-(0-2)	Total/NA	Soil	7471B	
490-37637-1 MSD	Tract 6 SB1-(0-2)	Total/NA	Soil	7471B	
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	7471B	
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	7471B	
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	7471B	
LCS 490-116388/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 490-116388/1-A	Method Blank	Total/NA	Solid	7471B	

### Prep Batch: 116434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Total/NA	Water	7470A	
490-37637-3 MS	Tract 6 TW1 (8-12)	Total/NA	Water	7470A	
490-37637-3 MSD	Tract 6 TW1 (8-12)	Total/NA	Water	7470A	
490-37637-6	Tract 6 TW2 54-58	Total/NA	Water	7470A	
LCS 490-116434/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 490-116434/1-A	Method Blank	Total/NA	Water	7470A	

### Filtration Batch: 116614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Dissolved	Water	Filtration	
490-37637-6	Tract 6 TW2 54-58	Dissolved	Water	Filtration	
LCS 490-116614/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-116614/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-116614/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 116615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Dissolved	Water	7470A	116614
490-37637-6	Tract 6 TW2 54-58	Dissolved	Water	7470A	116614
LCS 490-116614/2-B	Lab Control Sample	Dissolved	Water	7470A	116614
LCSD 490-116614/3-B	Lab Control Sample Dup	Dissolved	Water	7470A	116614
MB 490-116614/1-B	Method Blank	Dissolved	Water	7470A	116614

### Analysis Batch: 116761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Total/NA	Water	7470A	116434
490-37637-3 MS	Tract 6 TW1 (8-12)	Total/NA	Water	7470A	116434
490-37637-3 MSD	Tract 6 TW1 (8-12)	Total/NA	Water	7470A	116434

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 116761 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-6	Tract 6 TW2 54-58	Total/NA	Water	7470A	116434
LCS 490-116434/2-A	Lab Control Sample	Total/NA	Water	7470A	116434
MB 490-116434/1-A	Method Blank	Total/NA	Water	7470A	116434

### Analysis Batch: 116921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-3	Tract 6 TW1 (8-12)	Dissolved	Water	7470A	116615
490-37637-6	Tract 6 TW2 54-58	Dissolved	Water	7470A	116615
LCS 490-116614/2-B	Lab Control Sample	Dissolved	Water	7470A	116615
LCS 490-116614/3-B	Lab Control Sample Dup	Dissolved	Water	7470A	116615
MB 490-116614/1-B	Method Blank	Dissolved	Water	7470A	116615

### Analysis Batch: 117018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	7471B	116388
490-37637-1 MS	Tract 6 SB1-(0-2)	Total/NA	Soil	7471B	116388
490-37637-1 MSD	Tract 6 SB1-(0-2)	Total/NA	Soil	7471B	116388
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	7471B	116388
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	7471B	116388
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	7471B	116388
LCS 490-116388/2-A	Lab Control Sample	Total/NA	Solid	7471B	116388
MB 490-116388/1-A	Method Blank	Total/NA	Solid	7471B	116388

## General Chemistry

### Analysis Batch: 114117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-1	Tract 6 SB1-(0-2)	Total/NA	Soil	Moisture	
490-37637-1 DU	Tract 6 SB1-(0-2)	Total/NA	Soil	Moisture	
490-37637-2	Tract 6 SB1-(10-14)	Total/NA	Soil	Moisture	
490-37637-4	Tract 6 SB2 (0-2)	Total/NA	Soil	Moisture	
490-37637-5	Tract 6 SB2 (10-14)	Total/NA	Soil	Moisture	



# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(0-2)**

**Lab Sample ID: 490-37637-1**

**Date Collected: 10/10/13 10:35**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 85.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113952	10/12/13 14:16	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114976	10/17/13 19:29	KKK	TAL NSH
Total/NA	Prep	3550C			114675	10/16/13 08:57	BJB	TAL NSH
Total/NA	Analysis	8270D		1	115140	10/17/13 23:33	KJP	TAL NSH
Total/NA	Analysis	8081B		1	114696	10/16/13 15:17	WAM	TAL NSH
Total/NA	Prep	3550C			114487	10/15/13 12:56	LP	TAL NSH
Total/NA	Analysis	8082A		1	114829	10/16/13 17:28	WAM	TAL NSH
Total/NA	Prep	3550C			114328	10/15/13 08:42	LP	TAL NSH
Total/NA	Analysis	8081B		1	115401	10/18/13 19:53	WAM	TAL NSH
Total/NA	Analysis	8081B		1	116122	10/22/13 17:06	WAM	TAL NSH
Total/NA	Prep	3051A			115480	10/18/13 15:23	DBK	TAL NSH
Total/NA	Analysis	6010C		1	115954	10/21/13 19:29	KDJ	TAL NSH
Total/NA	Prep	7471B			116388	10/23/13 11:35	LTB	TAL NSH
Total/NA	Analysis	7471B		1	117018	10/25/13 08:27	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	114117	10/14/13 10:23	RRS	TAL NSH

**Client Sample ID: Tract 6 SB1-(10-14)**

**Lab Sample ID: 490-37637-2**

**Date Collected: 10/10/13 10:45**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 73.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113952	10/12/13 14:16	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114976	10/17/13 19:59	KKK	TAL NSH
Total/NA	Prep	3550C			114675	10/16/13 08:57	BJB	TAL NSH
Total/NA	Analysis	8270D		1	115140	10/17/13 23:55	KJP	TAL NSH
Total/NA	Analysis	8081B		1	114696	10/16/13 15:53	WAM	TAL NSH
Total/NA	Prep	3550C			114487	10/15/13 12:56	LP	TAL NSH
Total/NA	Analysis	8082A		1	114829	10/16/13 17:50	WAM	TAL NSH
Total/NA	Prep	3550C			114328	10/15/13 08:42	LP	TAL NSH
Total/NA	Analysis	8081B		1	115401	10/18/13 20:05	WAM	TAL NSH
Total/NA	Analysis	8081B		1	116122	10/22/13 17:18	WAM	TAL NSH
Total/NA	Prep	3051A			115747	10/21/13 09:27	DBK	TAL NSH
Total/NA	Analysis	6010C		10	116297	10/22/13 15:46	DEB	TAL NSH
Total/NA	Prep	7471B			116388	10/23/13 11:35	LTB	TAL NSH
Total/NA	Analysis	7471B		1	117018	10/25/13 08:33	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	114117	10/14/13 10:23	RRS	TAL NSH

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 TW1 (8-12)**

**Lab Sample ID: 490-37637-3**

Date Collected: 10/10/13 11:00

Matrix: Water

Date Received: 10/12/13 08:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114468	10/15/13 21:15	EML	TAL NSH
Total/NA	Prep	3510C			114792	10/16/13 12:23	RCH	TAL NSH
Total/NA	Analysis	8270D		1	115014	10/17/13 19:43	BES	TAL NSH
Total/NA	Prep	3510C			114715	10/16/13 09:50	DEF	TAL NSH
Total/NA	Analysis	8082A		1	115053	10/17/13 13:49	WAM	TAL NSH
Total/NA	Prep	3510C			114718	10/16/13 09:58	CLH	TAL NSH
Total/NA	Analysis	8081B		10	115401	10/18/13 21:30	WAM	TAL NSH
Total/NA	Analysis	8081B		10	116122	10/22/13 18:07	WAM	TAL NSH
Total/NA	Prep	3010A			114861	10/16/13 14:45	JBD	TAL NSH
Total/NA	Analysis	6010C		1	115271	10/17/13 22:25	DEB	TAL NSH
Dissolved	Filtration	Filtration			115420	10/18/13 13:21	JBD	TAL NSH
Dissolved	Prep	3005A			115422	10/18/13 13:24	JBD	TAL NSH
Dissolved	Analysis	6010C		1	116048	10/21/13 17:57	KDJ	TAL NSH
Total/NA	Prep	7470A			116434	10/23/13 12:54	LTB	TAL NSH
Total/NA	Analysis	7470A		1	116761	10/24/13 11:23	LTB	TAL NSH
Dissolved	Filtration	Filtration			116614	10/24/13 08:23	LTB	TAL NSH
Dissolved	Prep	7470A			116615	10/24/13 08:25	LTB	TAL NSH
Dissolved	Analysis	7470A		1	116921	10/24/13 14:39	LTB	TAL NSH

**Client Sample ID: Tract 6 SB2 (0-2)**

**Lab Sample ID: 490-37637-4**

Date Collected: 10/10/13 13:50

Matrix: Soil

Date Received: 10/12/13 08:03

Percent Solids: 55.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113952	10/12/13 14:16	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114976	10/17/13 20:29	KKK	TAL NSH
Total/NA	Prep	3550C			114675	10/16/13 08:57	BJB	TAL NSH
Total/NA	Analysis	8270D		1	115140	10/18/13 00:18	KJP	TAL NSH
Total/NA	Analysis	8081B		10	114696	10/16/13 16:05	WAM	TAL NSH
Total/NA	Prep	3550C			114487	10/15/13 12:56	LP	TAL NSH
Total/NA	Analysis	8082A		1	114829	10/16/13 18:12	WAM	TAL NSH
Total/NA	Analysis	8081B		10	115150	10/18/13 01:21	WAM	TAL NSH
Total/NA	Prep	3550C			114328	10/15/13 08:42	LP	TAL NSH
Total/NA	Analysis	8081B		10	115401	10/18/13 22:06	WAM	TAL NSH
Total/NA	Analysis	8081B		10	116122	10/22/13 18:43	WAM	TAL NSH
Total/NA	Prep	3051A			115747	10/21/13 09:27	DBK	TAL NSH
Total/NA	Analysis	6010C		1	116297	10/22/13 15:51	DEB	TAL NSH
Total/NA	Prep	7471B			116388	10/23/13 11:35	LTB	TAL NSH
Total/NA	Analysis	7471B		1	117018	10/25/13 08:35	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	114117	10/14/13 10:23	RRS	TAL NSH

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (10-14)**

**Lab Sample ID: 490-37637-5**

**Date Collected: 10/10/13 14:00**

**Matrix: Soil**

**Date Received: 10/12/13 08:03**

**Percent Solids: 73.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113952	10/12/13 14:16	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114976	10/17/13 20:59	KKK	TAL NSH
Total/NA	Prep	3550C			114675	10/16/13 08:57	BJB	TAL NSH
Total/NA	Analysis	8270D		1	115140	10/18/13 00:41	KJP	TAL NSH
Total/NA	Analysis	8081B		1	114696	10/16/13 16:17	WAM	TAL NSH
Total/NA	Prep	3550C			114487	10/15/13 12:56	LP	TAL NSH
Total/NA	Analysis	8082A		1	114829	10/16/13 18:33	WAM	TAL NSH
Total/NA	Prep	3550C			114328	10/15/13 08:42	LP	TAL NSH
Total/NA	Analysis	8081B		1	115401	10/18/13 20:17	WAM	TAL NSH
Total/NA	Analysis	8081B		1	116122	10/22/13 17:30	WAM	TAL NSH
Total/NA	Prep	3051A			115747	10/21/13 09:27	DBK	TAL NSH
Total/NA	Analysis	6010C		1	116297	10/22/13 15:57	DEB	TAL NSH
Total/NA	Prep	7471B			116388	10/23/13 11:35	LTB	TAL NSH
Total/NA	Analysis	7471B		1	117018	10/25/13 08:37	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	114117	10/14/13 10:23	RRS	TAL NSH

**Client Sample ID: Tract 6 TW2 54-58**

**Lab Sample ID: 490-37637-6**

**Date Collected: 10/10/13 14:15**

**Matrix: Water**

**Date Received: 10/12/13 08:03**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114468	10/15/13 20:49	EML	TAL NSH
Total/NA	Prep	3510C			114792	10/16/13 12:23	RCH	TAL NSH
Total/NA	Analysis	8270D		1	115014	10/17/13 20:05	BES	TAL NSH
Total/NA	Prep	3510C			114715	10/16/13 09:50	DEF	TAL NSH
Total/NA	Analysis	8082A		1	115053	10/17/13 14:11	WAM	TAL NSH
Total/NA	Prep	3510C			114718	10/16/13 09:58	CLH	TAL NSH
Total/NA	Analysis	8081B		10	115401	10/18/13 21:18	WAM	TAL NSH
Total/NA	Analysis	8081B		10	116122	10/22/13 17:55	WAM	TAL NSH
Total/NA	Prep	3010A			114861	10/16/13 14:45	JBD	TAL NSH
Total/NA	Analysis	6010C		10	115271	10/17/13 22:28	DEB	TAL NSH
Dissolved	Filtration	Filtration			115420	10/18/13 13:21	JBD	TAL NSH
Dissolved	Prep	3005A			115422	10/18/13 13:24	JBD	TAL NSH
Dissolved	Analysis	6010C		1	116048	10/21/13 18:00	KDJ	TAL NSH
Total/NA	Prep	7470A			116434	10/23/13 12:54	LTB	TAL NSH
Total/NA	Analysis	7470A		1	116761	10/24/13 11:29	LTB	TAL NSH
Dissolved	Filtration	Filtration			116614	10/24/13 08:23	LTB	TAL NSH
Dissolved	Prep	7470A			116615	10/24/13 08:25	LTB	TAL NSH
Dissolved	Analysis	7470A		1	116921	10/24/13 14:37	LTB	TAL NSH

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37637-7**

**Date Collected: 10/10/13 00:01**

**Matrix: Water**

**Date Received: 10/12/13 08:03**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114468	10/15/13 19:28	EML	TAL NSH

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-37637-8**

**Date Collected: 10/10/13 00:01**

**Matrix: Water**

**Date Received: 10/12/13 08:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	115040	10/17/13 15:11	EML	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
8081B	Organochlorine Pesticides (GC)	SW846	TAL NSH
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NSH
6010C	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8081B	3510C	Water	Chlordane (technical)
8081B	3550C	Soil	Chlordane (technical)
8081B	3550C	Solid	Chlordane (technical)
8260B		Solid	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Solid	Cyclohexane
8260B		Solid	Methyl acetate
8260B		Solid	Methylcyclohexane
8260B		Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Water	Cyclohexane
8260B		Water	Methyl acetate
8260B		Water	Methylcyclohexane
8260B	5035	Soil	1,1,2-Trichloro-1,2,2-trichloroethane
8260B	5035	Soil	Cyclohexane
8260B	5035	Soil	Methyl acetate
8260B	5035	Soil	Methylcyclohexane
8270D	3510C	Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Water	3,3'-Dichlorobenzidine
8270D	3510C	Water	Acetophenone
8270D	3510C	Water	Atrazine
8270D	3510C	Water	Benzaldehyde
8270D	3510C	Water	Biphenyl
8270D	3510C	Water	Caprolactam
8270D	3510C	Water	Carbazole
8270D	3550C	Soil	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Soil	2,3,4,6-Tetrachlorophenol
8270D	3550C	Soil	3 & 4 Methylphenol
8270D	3550C	Soil	3,3'-Dichlorobenzidine
8270D	3550C	Soil	4-Nitrophenol
8270D	3550C	Soil	Acetophenone
8270D	3550C	Soil	Atrazine
8270D	3550C	Soil	Benzaldehyde
8270D	3550C	Soil	Biphenyl
8270D	3550C	Soil	Caprolactam
8270D	3550C	Soil	Carbazole
8270D	3550C	Solid	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Solid	2,3,4,6-Tetrachlorophenol
8270D	3550C	Solid	3 & 4 Methylphenol
8270D	3550C	Solid	3,3'-Dichlorobenzidine
8270D	3550C	Solid	4-Nitrophenol
8270D	3550C	Solid	Acetophenone
8270D	3550C	Solid	Atrazine
8270D	3550C	Solid	Benzaldehyde
8270D	3550C	Solid	Biphenyl
8270D	3550C	Solid	Caprolactam
8270D	3550C	Solid	Carbazole

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37637-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Soil	Percent Solids

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

COOLER RECEIPT FORM

Charleston



490-37637 Chain of Custody

Cooler Received/Opened On 10/12/2013 @ 0815

1. Tracking # 0719 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 1.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: (2) Front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) MDM

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO..NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO..#



### COOLER RECEIPT FORM

Cooler Received/Opened On 10/12/2013 @ 0815

1. Tracking # 0720 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 2.5 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: (2) Front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) MDM

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES..NO..NA

14. Was there a Trip Blank in this cooler? YES...NO..NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

21. Were there Non-Conformance issues at login? YES..NO Was a NCM generated? YES..NO..# \_\_\_\_\_

COOLER RECEIPT FORM

Cooler Received/Opened On 10/12/2013@ 0815

1. Tracking # 0888 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES) NO...NA

If yes, how many and where: one front

5. Were the seals intact, signed, and dated correctly? (YES) NO...NA

6. Were custody papers inside cooler? (YES) NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES (NO) and Intact YES...NO (NA)

Were these signed and dated correctly? YES...NO (NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES) NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES) NO...NA

12. Did all container labels and tags agree with custody papers? (YES) NO...NA

13a. Were VOA vials received? (YES) NO...NA

b. Was there any observable headspace present in any VOA vial? YES (NO) NA

14. Was there a Trip Blank in this cooler? (YES) NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO (NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES) NO...NA

16. Was residual chlorine present? YES (NO) NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)? (YES) NO...NA

18. Did you sign the custody papers in the appropriate place? (YES) NO...NA

19. Were correct containers used for the analysis requested? (YES) NO...NA

20. Was sufficient amount of sample sent in each container? (YES) NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

21. Were there Non-Conformance issues at login? YES..NO (NO) Was a NCM generated? YES (NO) #



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-37637-1

SDG Number: 1131-08-554

**Login Number: 37637**

**List Number: 1**

**Creator: Hayes, Ken**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5/1.1/1.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

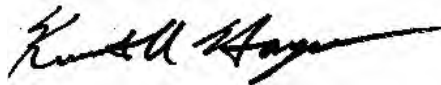
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204  
Tel: (615)726-0177

TestAmerica Job ID: 490-37639-1  
TestAmerica Sample Delivery Group: 1131-08-554  
Client Project/Site: Port Access Road

For:  
S&ME, Inc.  
620 Wando Park Boulevard  
Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline



Authorized for release by:  
10/28/2013 2:15:51 PM

Ken Hayes, Project Manager I  
(615)301-5035  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-37639-1	TRACT 33 SB-4 (0-2)	Soil	10/11/13 11:20	10/12/13 09:06
490-37639-2	TRACT 33 SB-4 (22-26)	Soil	10/11/13 11:30	10/12/13 09:06
490-37639-3	TRACT 33 TW-4 (14-18)	Ground Water	10/11/13 12:00	10/12/13 09:06
490-37639-4	TRIP BLANK	Water	10/11/13 00:01	10/12/13 09:06

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# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Job ID: 490-37639-1**

**Laboratory: TestAmerica Nashville**

## Narrative

### Job Narrative 490-37639-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 10/12/2013 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.1° C and 1.5° C.

#### GC/MS VOA

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 115059 were outside control limits for tetrachloroethene. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 115295. See LCS/LCSD

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 115295 recovered outside control limits for the following analytes: methyl acetate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The method blank for batch 115295 contained methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

#### GC/MS Semi VOA

Method(s) 8270D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114792.

Method(s) 8270D: The method blank for batch 114675 contained Bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

#### GC Semi VOA

Method(s) 8081B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 114328 was outside control limits.

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: TACT 33 SB-4 (0-2) (490-37639-1). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114718.

Method(s) 8082A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114715.

No other analytical or quality issues were noted.

#### Metals

Method(s) 6010C: The following sample(s) was diluted due to the abundance of Fe: 490-37639-f-3-a TACT 33 TW-4 (14-18) (490-37639-3). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The method blank for batch 490-114861 contained As, Fe, and K above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.



# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Job ID: 490-37639-1 (Continued)

### Laboratory: TestAmerica Nashville (Continued)

Method(s) 6010B, 6010C: The serial dilution performed for the following sample(s) associated with batch 490-114861 was outside control limits for Ca and Mg: 490-37638-e-13-a (490-37638-13 SD)

Method(s) 6010C: The post digestion spike % recovery for Ca associated with batch 490-115747 was outside of control limits.

Method(s) 6010C: The matrix spike(MS) recoveries for batch 490-115747 were outside control limits for Mg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010C: The method blank for batch 490-115747 contained K< Mn, and Na above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 7471B: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 116388 were outside control limits. This is attributed to non-homogeneity of the sample matrix.

No other analytical or quality issues were noted.

### General Chemistry

Method(s) 7196A: To verify the absence of an interference, EPA Method 7196A requires the sample to be diluted until the matrix spike (MS) recovery is within 85-115%. For this reason, the following sample(s) was diluted: (490-37639-3 MS), (490-37639-3 MSD), TACT 33 TW-4 (14-18) (490-37639-3). Elevated reporting limits (RLs) are provided.

Method(s) 7196A: The following sample(s) was received with insufficient time remaining to perform the analysis within holding time: TACT 33 TW-4 (14-18) (490-37639-3).

Method(s) 7196A: The matrix spike (MS) recovery for batch 299722 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 7196A: To verify the absence of an interference, EPA Method 7196A requires the sample to be diluted until the matrix spike (MS) recovery is within 85-115%. For this reason, the following sample(s) was diluted: (490-37639-1 DU), (490-37639-1 PDS), TACT 33 SB-4 (0-2) (490-37639-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

### Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114715, 114718 and 114792.

No other analytical or quality issues were noted.

### VOA Prep

No analytical or quality issues were noted.

# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
F	MS/MSD Recovery and/or RPD exceeds the control limits
E	Result exceeded calibration range.

### GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
E	Result exceeded calibration range.

### GC Semi VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
E	Result exceeded calibration range.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Metals

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
L	A negative instrument reading had an absolute value greater than the reporting limit

## General Chemistry

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
H	Sample was prepped or analyzed beyond the specified holding time

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)

# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

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## Glossary (Continued)

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Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 SB-4 (0-2)**

**Lab Sample ID: 490-37639-1**

Date Collected: 10/11/13 11:20

Matrix: Soil

Date Received: 10/12/13 09:06

Percent Solids: 88.6

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0520		0.0485	0.0388	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Benzene	0.00112	J	0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Bromochloromethane	<0.000534		0.00194	0.000534	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Bromodichloromethane	<0.000534		0.00194	0.000534	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Bromoform	<0.000534		0.00194	0.000534	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Bromomethane	<0.00116		0.00194	0.00116	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
2-Butanone (MEK)	<0.00495		0.0485	0.00495	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Carbon disulfide	<0.00349		0.00485	0.00349	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Carbon tetrachloride	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Chlorobenzene	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Chlorodibromomethane	<0.000330		0.00194	0.000330	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Chloroethane	<0.00184		0.00485	0.00184	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Chloroform	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Chloromethane	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
cis-1,2-Dichloroethene	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
cis-1,3-Dichloropropene	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Cyclohexane	<0.00320		0.00970	0.00320	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,2-Dibromo-3-Chloropropane	<0.000679		0.00485	0.000679	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,2-Dibromoethane (EDB)	<0.000970		0.00194	0.000970	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,2-Dichlorobenzene	<0.000330		0.00194	0.000330	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,3-Dichlorobenzene	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,4-Dichlorobenzene	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Dichlorodifluoromethane	<0.000970		0.00194	0.000970	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,1-Dichloroethane	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,2-Dichloroethane	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,1-Dichloroethene	<0.000553		0.00194	0.000553	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,2-Dichloropropane	<0.000912		0.00194	0.000912	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Ethylbenzene	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
2-Hexanone	<0.0162		0.0485	0.0162	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Isopropylbenzene	<0.000398		0.00194	0.000398	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Methyl acetate	<0.00233	*	0.00970	0.00233	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Methylcyclohexane	<0.00320		0.00970	0.00320	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Methylene Chloride	<0.000834		0.00970	0.000834	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
4-Methyl-2-pentanone (MIBK)	<0.0165		0.0485	0.0165	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Methyl tert-butyl ether	<0.000931		0.00194	0.000931	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Styrene	<0.00107		0.00194	0.00107	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,1,2,2-Tetrachloroethane	<0.000970		0.00194	0.000970	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Tetrachloroethene	<0.000708		0.00194	0.000708	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Toluene	<0.000718		0.00194	0.000718	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
trans-1,2-Dichloroethene	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
trans-1,3-Dichloropropene	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,2,3-Trichlorobenzene	<0.000369		0.00194	0.000369	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,2,4-Trichlorobenzene	<0.000650		0.00194	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,1,1-Trichloroethane	<0.000893		0.00194	0.000893	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,1,2-Trichloroethane	<0.00136		0.00485	0.00136	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Trichloroethene	<0.000931		0.00194	0.000931	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Trichlorofluoromethane	<0.000970		0.00194	0.000970	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000766		0.00194	0.000766	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
Vinyl chloride	<0.00107		0.00194	0.00107	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 SB-4 (0-2)**

**Lab Sample ID: 490-37639-1**

**Date Collected: 10/11/13 11:20**

**Matrix: Soil**

**Date Received: 10/12/13 09:06**

**Percent Solids: 88.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000650		0.00291	0.000650	mg/Kg	☼	10/12/13 14:16	10/18/13 20:15	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	105		70 - 130				10/12/13 14:16	10/18/13 20:15	1
Dibromofluoromethane (Surr)	102		70 - 130				10/12/13 14:16	10/18/13 20:15	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130				10/12/13 14:16	10/18/13 20:15	1
Toluene-d8 (Surr)	98		70 - 130				10/12/13 14:16	10/18/13 20:15	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acenaphthene</b>	<b>0.150</b>		0.0656	0.00979	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Acenaphthylene	<0.00881		0.0656	0.00881	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Acetophenone	<0.0685		0.326	0.0685	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
<b>Anthracene</b>	<b>0.0820</b>		0.0656	0.00881	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Atrazine	<0.163		0.326	0.163	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Benzaldehyde	<0.280		1.63	0.280	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
<b>Benzo[a]anthracene</b>	<b>0.0911</b>		0.0656	0.0147	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
<b>Benzo[a]pyrene</b>	<b>0.0575 J</b>		0.0656	0.0117	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
<b>Benzo[b]fluoranthene</b>	<b>0.111</b>		0.0656	0.0117	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Benzo[g,h,i]perylene	<0.00881		0.0656	0.00881	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
<b>Benzo[k]fluoranthene</b>	<b>0.0388 J</b>		0.0656	0.0137	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Biphenyl	<0.102		0.326	0.102	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Bis(2-chloroethoxy)methane	<0.0117		0.326	0.0117	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Bis(2-chloroethyl)ether	<0.0196		0.326	0.0196	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
bis (2-chloroisopropyl) ether	<0.131		0.326	0.131	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Bis(2-ethylhexyl) phthalate	<0.0127		0.326	0.0127	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
4-Bromophenyl phenyl ether	<0.0166		0.326	0.0166	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Butyl benzyl phthalate	<0.0157		0.326	0.0157	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Caprolactam	<0.106		0.326	0.106	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
<b>Carbazole</b>	<b>0.0473 J</b>		0.326	0.00685	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
4-Chloroaniline	<0.163		0.326	0.163	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
4-Chloro-3-methylphenol	<0.0157		0.326	0.0157	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2-Chloronaphthalene	<0.0166		0.326	0.0166	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2-Chlorophenol	<0.0147		0.326	0.0147	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
4-Chlorophenyl phenyl ether	<0.0235		0.326	0.0235	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
<b>Chrysene</b>	<b>0.138</b>		0.0656	0.00881	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Dibenz(a,h)anthracene	<0.00685		0.0656	0.00685	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
<b>Dibenzofuran</b>	<b>0.0636 J</b>		0.326	0.0127	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
3,3'-Dichlorobenzidine	<0.130		0.653	0.130	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2,4-Dichlorophenol	<0.0166		0.326	0.0166	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Diethyl phthalate	<0.0137		0.326	0.0137	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2,4-Dimethylphenol	<0.188		0.326	0.188	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Dimethyl phthalate	<0.00783		1.63	0.00783	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Di-n-butyl phthalate	<0.0127		0.326	0.0127	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
4,6-Dinitro-2-methylphenol	<0.101		0.326	0.101	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2,4-Dinitrophenol	<0.108		0.326	0.108	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2,4-Dinitrotoluene	<0.00881		0.326	0.00881	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2,6-Dinitrotoluene	<0.0303		0.326	0.0303	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Di-n-octyl phthalate	<0.0127		0.326	0.0127	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
<b>Fluoranthene</b>	<b>0.263</b>		0.0656	0.00881	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 SB-4 (0-2)**

**Lab Sample ID: 490-37639-1**

**Date Collected: 10/11/13 11:20**

**Matrix: Soil**

**Date Received: 10/12/13 09:06**

**Percent Solids: 88.6**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluorene</b>	<b>0.148</b>		0.0656	0.0117	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Hexachlorobenzene	<0.0284		0.326	0.0284	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Hexachlorobutadiene	<0.0685		0.326	0.0685	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Hexachlorocyclopentadiene	<0.0157		0.326	0.0157	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Hexachloroethane	<0.0196		0.326	0.0196	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Indeno[1,2,3-cd]pyrene	<0.00979		0.0656	0.00979	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Isophorone	<0.0578		0.326	0.0578	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2-Methylnaphthalene	<0.0157		0.0656	0.0157	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2-Methylphenol	<0.0910		0.326	0.0910	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
3 & 4 Methylphenol	<0.0196		0.326	0.0196	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Naphthalene	<0.00881		0.0656	0.00881	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2-Nitroaniline	<0.0176		0.816	0.0176	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
3-Nitroaniline	<0.145		0.816	0.145	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
4-Nitroaniline	<0.0294		0.816	0.0294	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Nitrobenzene	<0.0166		0.326	0.0166	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2-Nitrophenol	<0.0127		0.326	0.0127	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
4-Nitrophenol	<0.0147		0.326	0.0147	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
N-Nitrosodi-n-propylamine	<0.0206		0.326	0.0206	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0157		0.326	0.0157	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Pentachlorophenol	<0.122		0.816	0.122	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
<b>Phenanthrene</b>	<b>0.247</b>		0.0656	0.00881	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
Phenol	<0.0137		0.326	0.0137	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
<b>Pyrene</b>	<b>0.281</b>		0.0656	0.0117	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
1,2,4,5-Tetrachlorobenzene	<0.253		1.63	0.253	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2,3,4,6-Tetrachlorophenol	<0.165		0.326	0.165	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2,4,5-Trichlorophenol	<0.0166		0.816	0.0166	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
2,4,6-Trichlorophenol	<0.0245		0.326	0.0245	mg/Kg	☼	10/16/13 08:57	10/18/13 01:04	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-Fluorobiphenyl (Surr)	37		29 - 120				10/16/13 08:57	10/18/13 01:04	1
2-Fluorophenol (Surr)	41		10 - 120				10/16/13 08:57	10/18/13 01:04	1
Nitrobenzene-d5 (Surr)	42		27 - 120				10/16/13 08:57	10/18/13 01:04	1
Phenol-d5 (Surr)	50		10 - 120				10/16/13 08:57	10/18/13 01:04	1
Terphenyl-d14 (Surr)	55		13 - 120				10/16/13 08:57	10/18/13 01:04	1
2,4,6-Tribromophenol (Surr)	54		10 - 120				10/16/13 08:57	10/18/13 01:04	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00341		0.0187	0.00341	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
alpha-BHC	<0.00220		0.0187	0.00220	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
beta-BHC	<0.0220		0.0363	0.0220	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
delta-BHC	<0.00418		0.0187	0.00418	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
gamma-BHC (Lindane)	<0.00429		0.0187	0.00429	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
alpha-Chlordane	<0.00472		0.0187	0.00472	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
gamma-Chlordane	<0.00868		0.0187	0.00868	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
Chlordane (technical)	<0.399		0.733	0.399	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
<b>4,4'-DDD</b>	<b>0.0160</b>	<b>J</b>	0.0187	0.00472	mg/Kg	☼	10/15/13 08:42	10/22/13 18:55	10
<b>4,4'-DDE</b>	<b>0.0189</b>		0.0187	0.00549	mg/Kg	☼	10/15/13 08:42	10/22/13 18:55	10
<b>4,4'-DDT</b>	<b>0.0622</b>		0.0187	0.00934	mg/Kg	☼	10/15/13 08:42	10/22/13 18:55	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 SB-4 (0-2)**

**Lab Sample ID: 490-37639-1**

Date Collected: 10/11/13 11:20

Matrix: Soil

Date Received: 10/12/13 09:06

Percent Solids: 88.6

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00440		0.0187	0.00440	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
Endosulfan I	<0.00516		0.0187	0.00516	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
Endosulfan II	<0.00604		0.0187	0.00604	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
Endosulfan sulfate	<0.00549		0.0187	0.00549	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
Endrin	<0.00472		0.0187	0.00472	mg/Kg	☼	10/15/13 08:42	10/22/13 18:55	10
Endrin aldehyde	<0.00560		0.0187	0.00560	mg/Kg	☼	10/15/13 08:42	10/22/13 18:55	10
Endrin ketone	<0.00648		0.0187	0.00648	mg/Kg	☼	10/15/13 08:42	10/22/13 18:55	10
Heptachlor	<0.00462		0.0187	0.00462	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
Heptachlor epoxide	<0.00714		0.0187	0.00714	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10
Methoxychlor	<0.00538		0.0363	0.00538	mg/Kg	☼	10/15/13 08:42	10/18/13 22:19	10
Toxaphene	<0.464		0.733	0.464	mg/Kg	☼	10/15/13 08:42	10/16/13 16:30	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	60		21 - 145	10/15/13 08:42	10/16/13 16:30	10
DCB Decachlorobiphenyl (Surr)	87		25 - 150	10/15/13 08:42	10/16/13 16:30	10

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0112		0.0373	0.0112	mg/Kg	☼	10/15/13 12:56	10/16/13 18:55	1
PCB-1221	<0.0112		0.0373	0.0112	mg/Kg	☼	10/15/13 12:56	10/16/13 18:55	1
PCB-1232	<0.0224		0.0373	0.0224	mg/Kg	☼	10/15/13 12:56	10/16/13 18:55	1
PCB-1242	<0.0112		0.0373	0.0112	mg/Kg	☼	10/15/13 12:56	10/16/13 18:55	1
PCB-1248	<0.0112		0.0373	0.0112	mg/Kg	☼	10/15/13 12:56	10/16/13 18:55	1
PCB-1254	<0.0112		0.0373	0.0112	mg/Kg	☼	10/15/13 12:56	10/16/13 18:55	1
PCB-1260	<0.0112		0.0373	0.0112	mg/Kg	☼	10/15/13 12:56	10/16/13 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	76		20 - 150	10/15/13 12:56	10/16/13 18:55	1
Tetrachloro-m-xylene	97		19 - 147	10/15/13 12:56	10/16/13 18:55	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>9800</b>		22.6	18.1	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
Antimony	<1.58		11.3	1.58	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Arsenic</b>	<b>2.87</b>		2.26	1.07	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Barium</b>	<b>41.5</b>		2.26	0.226	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Beryllium</b>	<b>0.271 J</b>		1.13	0.113	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Cadmium</b>	<b>0.226 J</b>		1.13	0.113	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Calcium</b>	<b>2020</b>		226	49.7	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Chromium</b>	<b>108</b>		1.13	0.339	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Cobalt</b>	<b>1.47 J</b>		2.26	0.339	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Copper</b>	<b>13.8</b>		2.26	1.92	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Iron</b>	<b>9900</b>		22.6	1.70	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Lead</b>	<b>49.0</b>		1.13	0.791	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Magnesium</b>	<b>1630</b>		226	14.7	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Manganese</b>	<b>99.1 B</b>		3.39	0.373	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Nickel</b>	<b>9.68</b>		2.26	0.339	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
<b>Potassium</b>	<b>359 B</b>		226	22.6	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
Selenium	<1.70		2.26	1.70	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
Silver	<0.339		1.13	0.339	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 SB-4 (0-2)**

**Lab Sample ID: 490-37639-1**

Date Collected: 10/11/13 11:20

Matrix: Soil

Date Received: 10/12/13 09:06

Percent Solids: 88.6

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	120	J B	226	22.6	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
Thallium	<1.36		2.26	1.36	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
Vanadium	16.9		11.3	3.50	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1
Zinc	82.1		11.3	1.13	mg/Kg	☼	10/21/13 09:27	10/22/13 16:02	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0733	J	0.112	0.0336	mg/Kg	☼	10/23/13 11:35	10/25/13 08:39	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<2.97		9.90	2.97	mg/Kg	☼	10/21/13 08:43	10/22/13 13:45	10
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89		0.10	0.10	%			10/14/13 09:50	1



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 SB-4 (22-26)**

**Lab Sample ID: 490-37639-2**

Date Collected: 10/11/13 11:30

Matrix: Soil

Date Received: 10/12/13 09:06

Percent Solids: 70.0

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.142		0.0698	0.0558	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Benzene	0.00196	J	0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Bromochloromethane	<0.000768		0.00279	0.000768	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Bromodichloromethane	<0.000768		0.00279	0.000768	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Bromoform	<0.000768		0.00279	0.000768	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Bromomethane	<0.00167		0.00279	0.00167	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
2-Butanone (MEK)	0.0154	J	0.0698	0.00712	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Carbon disulfide	<0.00502		0.00698	0.00502	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Carbon tetrachloride	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Chlorobenzene	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Chlorodibromomethane	<0.000475		0.00279	0.000475	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Chloroethane	<0.00265		0.00698	0.00265	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Chloroform	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Chloromethane	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
cis-1,2-Dichloroethene	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
cis-1,3-Dichloropropene	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Cyclohexane	<0.00461		0.0140	0.00461	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,2-Dibromo-3-Chloropropane	<0.000977		0.00698	0.000977	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,2-Dibromoethane (EDB)	<0.00140		0.00279	0.00140	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,2-Dichlorobenzene	<0.000475		0.00279	0.000475	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,3-Dichlorobenzene	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,4-Dichlorobenzene	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Dichlorodifluoromethane	<0.00140		0.00279	0.00140	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,1-Dichloroethane	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,2-Dichloroethane	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,1-Dichloroethene	<0.000796		0.00279	0.000796	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,2-Dichloropropane	<0.00131		0.00279	0.00131	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Ethylbenzene	0.00181	J	0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
2-Hexanone	<0.0233		0.0698	0.0233	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Isopropylbenzene	<0.000572		0.00279	0.000572	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Methyl acetate	<0.00335	*	0.0140	0.00335	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Methylcyclohexane	<0.00461		0.0140	0.00461	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Methylene Chloride	<0.00120		0.0140	0.00120	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
4-Methyl-2-pentanone (MIBK)	<0.0237		0.0698	0.0237	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Methyl tert-butyl ether	<0.00134		0.00279	0.00134	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Styrene	<0.00154		0.00279	0.00154	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,1,2,2-Tetrachloroethane	<0.00140		0.00279	0.00140	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Tetrachloroethene	<0.00102		0.00279	0.00102	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Toluene	0.00192	J	0.00279	0.00103	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
trans-1,2-Dichloroethene	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
trans-1,3-Dichloropropene	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,2,3-Trichlorobenzene	<0.000530		0.00279	0.000530	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,2,4-Trichlorobenzene	<0.000935		0.00279	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,1,1-Trichloroethane	<0.00128		0.00279	0.00128	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,1,2-Trichloroethane	<0.00195		0.00698	0.00195	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Trichloroethene	<0.00134		0.00279	0.00134	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Trichlorofluoromethane	<0.00140		0.00279	0.00140	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.00110		0.00279	0.00110	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
Vinyl chloride	<0.00154		0.00279	0.00154	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 SB-4 (22-26)**

**Lab Sample ID: 490-37639-2**

**Date Collected: 10/11/13 11:30**

**Matrix: Soil**

**Date Received: 10/12/13 09:06**

**Percent Solids: 70.0**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000935		0.00419	0.000935	mg/Kg	☼	10/12/13 14:16	10/18/13 20:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	109		70 - 130				10/12/13 14:16	10/18/13 20:45	1
Dibromofluoromethane (Surr)	100		70 - 130				10/12/13 14:16	10/18/13 20:45	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 130				10/12/13 14:16	10/18/13 20:45	1
Toluene-d8 (Surr)	101		70 - 130				10/12/13 14:16	10/18/13 20:45	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00985		0.0660	0.00985	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Acenaphthylene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Acetophenone	<0.0690		0.328	0.0690	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Anthracene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Atrazine	<0.164		0.328	0.164	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Benzaldehyde	<0.282		1.64	0.282	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Benzo[a]anthracene	<0.0148		0.0660	0.0148	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Benzo[a]pyrene	<0.0118		0.0660	0.0118	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Benzo[b]fluoranthene	<0.0118		0.0660	0.0118	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Benzo[g,h,i]perylene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Benzo[k]fluoranthene	<0.0138		0.0660	0.0138	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Biphenyl	<0.102		0.328	0.102	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Bis(2-chloroethoxy)methane	<0.0118		0.328	0.0118	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Bis(2-chloroethyl)ether	<0.0197		0.328	0.0197	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
bis (2-chloroisopropyl) ether	<0.132		0.328	0.132	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Bis(2-ethylhexyl) phthalate	<0.0128		0.328	0.0128	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
4-Bromophenyl phenyl ether	<0.0167		0.328	0.0167	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Butyl benzyl phthalate	<0.0158		0.328	0.0158	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Caprolactam	<0.106		0.328	0.106	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Carbazole	<0.00690		0.328	0.00690	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
4-Chloroaniline	<0.164		0.328	0.164	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
4-Chloro-3-methylphenol	<0.0158		0.328	0.0158	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2-Chloronaphthalene	<0.0167		0.328	0.0167	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2-Chlorophenol	<0.0148		0.328	0.0148	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
4-Chlorophenyl phenyl ether	<0.0236		0.328	0.0236	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Chrysene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Dibenz(a,h)anthracene	<0.00690		0.0660	0.00690	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Dibenzofuran	<0.0128		0.328	0.0128	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
3,3'-Dichlorobenzidine	<0.131		0.657	0.131	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2,4-Dichlorophenol	<0.0167		0.328	0.0167	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Diethyl phthalate	<0.0138		0.328	0.0138	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2,4-Dimethylphenol	<0.189		0.328	0.189	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Dimethyl phthalate	<0.00788		1.64	0.00788	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Di-n-butyl phthalate	<0.0128		0.328	0.0128	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
4,6-Dinitro-2-methylphenol	<0.101		0.328	0.101	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2,4-Dinitrophenol	<0.108		0.328	0.108	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2,4-Dinitrotoluene	<0.00887		0.328	0.00887	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2,6-Dinitrotoluene	<0.0305		0.328	0.0305	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Di-n-octyl phthalate	<0.0128		0.328	0.0128	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Fluoranthene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 SB-4 (22-26)**

**Lab Sample ID: 490-37639-2**

**Date Collected: 10/11/13 11:30**

**Matrix: Soil**

**Date Received: 10/12/13 09:06**

**Percent Solids: 70.0**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0118		0.0660	0.0118	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Hexachlorobenzene	<0.0286		0.328	0.0286	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Hexachlorobutadiene	<0.0690		0.328	0.0690	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Hexachlorocyclopentadiene	<0.0158		0.328	0.0158	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Hexachloroethane	<0.0197		0.328	0.0197	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Indeno[1,2,3-cd]pyrene	<0.00985		0.0660	0.00985	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Isophorone	<0.0581		0.328	0.0581	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2-Methylnaphthalene	<0.0158		0.0660	0.0158	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2-Methylphenol	<0.0916		0.328	0.0916	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
3 & 4 Methylphenol	<0.0197		0.328	0.0197	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Naphthalene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2-Nitroaniline	<0.0177		0.821	0.0177	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
3-Nitroaniline	<0.146		0.821	0.146	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
4-Nitroaniline	<0.0296		0.821	0.0296	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Nitrobenzene	<0.0167		0.328	0.0167	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2-Nitrophenol	<0.0128		0.328	0.0128	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
4-Nitrophenol	<0.0148		0.328	0.0148	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
N-Nitrosodi-n-propylamine	<0.0207		0.328	0.0207	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0158		0.328	0.0158	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Pentachlorophenol	<0.123		0.821	0.123	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Phenanthrene	<0.00887		0.0660	0.00887	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Phenol	<0.0138		0.328	0.0138	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
Pyrene	<0.0118		0.0660	0.0118	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
1,2,4,5-Tetrachlorobenzene	<0.254		1.64	0.254	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2,3,4,6-Tetrachlorophenol	<0.166		0.328	0.166	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2,4,5-Trichlorophenol	<0.0167		0.821	0.0167	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1
2,4,6-Trichlorophenol	<0.0246		0.328	0.0246	mg/Kg	☼	10/16/13 08:57	10/18/13 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	37		29 - 120	10/16/13 08:57	10/18/13 01:26	1
2-Fluorophenol (Surr)	47		10 - 120	10/16/13 08:57	10/18/13 01:26	1
Nitrobenzene-d5 (Surr)	45		27 - 120	10/16/13 08:57	10/18/13 01:26	1
Phenol-d5 (Surr)	58		10 - 120	10/16/13 08:57	10/18/13 01:26	1
Terphenyl-d14 (Surr)	65		13 - 120	10/16/13 08:57	10/18/13 01:26	1
2,4,6-Tribromophenol (Surr)	67		10 - 120	10/16/13 08:57	10/18/13 01:26	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000430		0.00236	0.000430	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
alpha-BHC	<0.000278		0.00236	0.000278	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
beta-BHC	<0.00278		0.00458	0.00278	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
delta-BHC	<0.000528		0.00236	0.000528	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
gamma-BHC (Lindane)	<0.000541		0.00236	0.000541	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
alpha-Chlordane	<0.000597		0.00236	0.000597	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
gamma-Chlordane	<0.00110		0.00236	0.00110	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
Chlordane (technical)	<0.0504		0.0926	0.0504	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
4,4'-DDD	<0.000597		0.00236	0.000597	mg/Kg	☼	10/15/13 08:42	10/18/13 20:29	1
4,4'-DDE	<0.000694		0.00236	0.000694	mg/Kg	☼	10/15/13 08:42	10/18/13 20:29	1
4,4'-DDT	<0.00118		0.00236	0.00118	mg/Kg	☼	10/15/13 08:42	10/18/13 20:29	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 SB-4 (22-26)**

**Lab Sample ID: 490-37639-2**

**Date Collected: 10/11/13 11:30**

**Matrix: Soil**

**Date Received: 10/12/13 09:06**

**Percent Solids: 70.0**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000555		0.00236	0.000555	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
Endosulfan I	<0.000652		0.00236	0.000652	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
Endosulfan II	<0.000764		0.00236	0.000764	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
Endosulfan sulfate	<0.000694		0.00236	0.000694	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
Endrin	<0.000597		0.00236	0.000597	mg/Kg	☼	10/15/13 08:42	10/22/13 17:42	1
Endrin aldehyde	<0.000708		0.00236	0.000708	mg/Kg	☼	10/15/13 08:42	10/22/13 17:42	1
Endrin ketone	<0.000819		0.00236	0.000819	mg/Kg	☼	10/15/13 08:42	10/22/13 17:42	1
Heptachlor	<0.000583		0.00236	0.000583	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
Heptachlor epoxide	<0.000902		0.00236	0.000902	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1
Methoxychlor	<0.000680		0.00458	0.000680	mg/Kg	☼	10/15/13 08:42	10/18/13 20:29	1
Toxaphene	<0.0586		0.0926	0.0586	mg/Kg	☼	10/15/13 08:42	10/16/13 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		21 - 145	10/15/13 08:42	10/16/13 16:42	1
DCB Decachlorobiphenyl (Surr)	83		25 - 150	10/15/13 08:42	10/16/13 16:42	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0139		0.0464	0.0139	mg/Kg	☼	10/15/13 12:56	10/16/13 19:16	1
PCB-1221	<0.0139		0.0464	0.0139	mg/Kg	☼	10/15/13 12:56	10/16/13 19:16	1
PCB-1232	<0.0279		0.0464	0.0279	mg/Kg	☼	10/15/13 12:56	10/16/13 19:16	1
PCB-1242	<0.0139		0.0464	0.0139	mg/Kg	☼	10/15/13 12:56	10/16/13 19:16	1
PCB-1248	<0.0139		0.0464	0.0139	mg/Kg	☼	10/15/13 12:56	10/16/13 19:16	1
PCB-1254	<0.0139		0.0464	0.0139	mg/Kg	☼	10/15/13 12:56	10/16/13 19:16	1
PCB-1260	<0.0139		0.0464	0.0139	mg/Kg	☼	10/15/13 12:56	10/16/13 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	76		20 - 150	10/15/13 12:56	10/16/13 19:16	1
Tetrachloro-m-xylene	95		19 - 147	10/15/13 12:56	10/16/13 19:16	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>6850</b>		27.2	21.8	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
Antimony	<1.91		13.6	1.91	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Arsenic</b>	<b>6.91</b>		2.72	1.29	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Barium</b>	<b>21.0</b>		2.72	0.272	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Beryllium</b>	<b>0.762 J</b>		1.36	0.136	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
Cadmium	<0.136		1.36	0.136	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Calcium</b>	<b>32300</b>		272	59.9	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Chromium</b>	<b>17.8</b>		1.36	0.408	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Cobalt</b>	<b>5.42</b>		2.72	0.408	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Copper</b>	<b>2.89</b>		2.72	2.31	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Iron</b>	<b>13000</b>		27.2	2.04	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Lead</b>	<b>10.4</b>		1.36	0.953	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Magnesium</b>	<b>2790</b>		272	17.7	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Manganese</b>	<b>136 B</b>		4.08	0.449	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Nickel</b>	<b>6.89</b>		2.72	0.408	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
<b>Potassium</b>	<b>1390 B</b>		272	27.2	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
Selenium	<2.04		2.72	2.04	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
Silver	<0.408		1.36	0.408	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 SB-4 (22-26)**

**Lab Sample ID: 490-37639-2**

Date Collected: 10/11/13 11:30

Matrix: Soil

Date Received: 10/12/13 09:06

Percent Solids: 70.0

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	829	B	272	27.2	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
Thallium	<1.63		2.72	1.63	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
Vanadium	18.6		13.6	4.22	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1
Zinc	25.3		13.6	1.36	mg/Kg	☼	10/21/13 09:27	10/22/13 16:21	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0423		0.141	0.0423	mg/Kg	☼	10/23/13 11:35	10/25/13 08:41	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.393		1.31	0.393	mg/Kg	☼	10/21/13 08:43	10/22/13 13:18	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	70		0.10	0.10	%			10/14/13 09:50	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 TW-4 (14-18)**

**Lab Sample ID: 490-37639-3**

**Date Collected: 10/11/13 12:00**

**Matrix: Ground Water**

**Date Received: 10/12/13 09:06**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/17/13 19:14	1
Benzene	<0.200		1.00	0.200	ug/L			10/17/13 19:14	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/17/13 19:14	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/17/13 19:14	1
Bromoform	<0.290		1.00	0.290	ug/L			10/17/13 19:14	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/17/13 19:14	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/17/13 19:14	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/17/13 19:14	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/17/13 19:14	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/17/13 19:14	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/17/13 19:14	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/17/13 19:14	1
Chloroform	<0.230		1.00	0.230	ug/L			10/17/13 19:14	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/17/13 19:14	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/17/13 19:14	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/17/13 19:14	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/17/13 19:14	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/17/13 19:14	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/17/13 19:14	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/17/13 19:14	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/17/13 19:14	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/17/13 19:14	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/17/13 19:14	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/17/13 19:14	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/17/13 19:14	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/17/13 19:14	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/17/13 19:14	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/17/13 19:14	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/17/13 19:14	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/17/13 19:14	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/17/13 19:14	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/17/13 19:14	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/17/13 19:14	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/17/13 19:14	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/17/13 19:14	1
Styrene	<0.280		1.00	0.280	ug/L			10/17/13 19:14	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/17/13 19:14	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/17/13 19:14	1
Toluene	<0.170		1.00	0.170	ug/L			10/17/13 19:14	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/17/13 19:14	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/17/13 19:14	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/17/13 19:14	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/17/13 19:14	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/17/13 19:14	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/17/13 19:14	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/17/13 19:14	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/17/13 19:14	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/17/13 19:14	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/17/13 19:14	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 TW-4 (14-18)**

**Lab Sample ID: 490-37639-3**

**Date Collected: 10/11/13 12:00**

**Matrix: Ground Water**

**Date Received: 10/12/13 09:06**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/17/13 19:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	112		70 - 130					10/17/13 19:14	1
Dibromofluoromethane (Surr)	105		70 - 130					10/17/13 19:14	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 130					10/17/13 19:14	1
Toluene-d8 (Surr)	96		70 - 130					10/17/13 19:14	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.355		1.94	0.355	ug/L		10/16/13 12:23	10/17/13 20:28	1
Acenaphthylene	<0.320		1.94	0.320	ug/L		10/16/13 12:23	10/17/13 20:28	1
Acetophenone	<1.84		9.71	1.84	ug/L		10/16/13 12:23	10/17/13 20:28	1
Anthracene	<0.857		1.94	0.857	ug/L		10/16/13 12:23	10/17/13 20:28	1
Atrazine	<3.59 *		9.71	3.59	ug/L		10/16/13 12:23	10/17/13 20:28	1
Benzaldehyde	<2.09		9.71	2.09	ug/L		10/16/13 12:23	10/17/13 20:28	1
Benzo[a]anthracene	<0.315		1.94	0.315	ug/L		10/16/13 12:23	10/17/13 20:28	1
Benzo[a]pyrene	<0.320		1.94	0.320	ug/L		10/16/13 12:23	10/17/13 20:28	1
Benzo[b]fluoranthene	<0.410		1.94	0.410	ug/L		10/16/13 12:23	10/17/13 20:28	1
Benzo[g,h,i]perylene	<0.279		1.94	0.279	ug/L		10/16/13 12:23	10/17/13 20:28	1
Benzo[k]fluoranthene	<0.353		1.94	0.353	ug/L		10/16/13 12:23	10/17/13 20:28	1
Biphenyl	<3.23		9.71	3.23	ug/L		10/16/13 12:23	10/17/13 20:28	1
Bis(2-chloroethoxy)methane	<1.32		9.71	1.32	ug/L		10/16/13 12:23	10/17/13 20:28	1
Bis(2-chloroethyl)ether	<1.35		9.71	1.35	ug/L		10/16/13 12:23	10/17/13 20:28	1
bis (2-chloroisopropyl) ether	<1.90		9.71	1.90	ug/L		10/16/13 12:23	10/17/13 20:28	1
Bis(2-ethylhexyl) phthalate	<2.00		9.71	2.00	ug/L		10/16/13 12:23	10/17/13 20:28	1
4-Bromophenyl phenyl ether	<1.33		9.71	1.33	ug/L		10/16/13 12:23	10/17/13 20:28	1
Butyl benzyl phthalate	<1.69		9.71	1.69	ug/L		10/16/13 12:23	10/17/13 20:28	1
Caprolactam	<3.23		9.71	3.23	ug/L		10/16/13 12:23	10/17/13 20:28	1
Carbazole	<0.290		9.71	0.290	ug/L		10/16/13 12:23	10/17/13 20:28	1
4-Chloroaniline	<1.14		9.71	1.14	ug/L		10/16/13 12:23	10/17/13 20:28	1
4-Chloro-3-methylphenol	<3.23		9.71	3.23	ug/L		10/16/13 12:23	10/17/13 20:28	1
2-Chloronaphthalene	<1.59		9.71	1.59	ug/L		10/16/13 12:23	10/17/13 20:28	1
2-Chlorophenol	<1.54		9.71	1.54	ug/L		10/16/13 12:23	10/17/13 20:28	1
4-Chlorophenyl phenyl ether	<1.70		9.71	1.70	ug/L		10/16/13 12:23	10/17/13 20:28	1
Chrysene	<1.06		1.94	1.06	ug/L		10/16/13 12:23	10/17/13 20:28	1
Dibenz(a,h)anthracene	<0.625		1.94	0.625	ug/L		10/16/13 12:23	10/17/13 20:28	1
Dibenzofuran	<0.329		9.71	0.329	ug/L		10/16/13 12:23	10/17/13 20:28	1
3,3'-Dichlorobenzidine	<1.48		9.71	1.48	ug/L		10/16/13 12:23	10/17/13 20:28	1
2,4-Dichlorophenol	<0.990		9.71	0.990	ug/L		10/16/13 12:23	10/17/13 20:28	1
Diethyl phthalate	<1.57		9.71	1.57	ug/L		10/16/13 12:23	10/17/13 20:28	1
2,4-Dimethylphenol	<0.967		9.71	0.967	ug/L		10/16/13 12:23	10/17/13 20:28	1
Dimethyl phthalate	<1.76		9.71	1.76	ug/L		10/16/13 12:23	10/17/13 20:28	1
Di-n-butyl phthalate	<1.46		9.71	1.46	ug/L		10/16/13 12:23	10/17/13 20:28	1
4,6-Dinitro-2-methylphenol	<2.01		24.3	2.01	ug/L		10/16/13 12:23	10/17/13 20:28	1
2,4-Dinitrophenol	<2.39		24.3	2.39	ug/L		10/16/13 12:23	10/17/13 20:28	1
2,4-Dinitrotoluene	<3.23		9.71	3.23	ug/L		10/16/13 12:23	10/17/13 20:28	1
2,6-Dinitrotoluene	<1.88		9.71	1.88	ug/L		10/16/13 12:23	10/17/13 20:28	1
Di-n-octyl phthalate	<2.24		9.71	2.24	ug/L		10/16/13 12:23	10/17/13 20:28	1
Fluoranthene	<0.337		1.94	0.337	ug/L		10/16/13 12:23	10/17/13 20:28	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 TW-4 (14-18)**

**Lab Sample ID: 490-37639-3**

**Date Collected: 10/11/13 12:00**

**Matrix: Ground Water**

**Date Received: 10/12/13 09:06**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.307		1.94	0.307	ug/L		10/16/13 12:23	10/17/13 20:28	1
Hexachlorobenzene	<1.64		9.71	1.64	ug/L		10/16/13 12:23	10/17/13 20:28	1
Hexachlorobutadiene	<3.23		9.71	3.23	ug/L		10/16/13 12:23	10/17/13 20:28	1
Hexachlorocyclopentadiene	<3.23		9.71	3.23	ug/L		10/16/13 12:23	10/17/13 20:28	1
Hexachloroethane	<3.23	*	9.71	3.23	ug/L		10/16/13 12:23	10/17/13 20:28	1
Indeno[1,2,3-cd]pyrene	<0.370		1.94	0.370	ug/L		10/16/13 12:23	10/17/13 20:28	1
Isophorone	<1.20		9.71	1.20	ug/L		10/16/13 12:23	10/17/13 20:28	1
2-Methylnaphthalene	<0.302		1.94	0.302	ug/L		10/16/13 12:23	10/17/13 20:28	1
2-Methylphenol	<3.23		9.71	3.23	ug/L		10/16/13 12:23	10/17/13 20:28	1
3 & 4 Methylphenol	<3.23		9.71	3.23	ug/L		10/16/13 12:23	10/17/13 20:28	1
Naphthalene	<0.386		1.94	0.386	ug/L		10/16/13 12:23	10/17/13 20:28	1
2-Nitroaniline	<1.01		24.3	1.01	ug/L		10/16/13 12:23	10/17/13 20:28	1
3-Nitroaniline	<1.80		24.3	1.80	ug/L		10/16/13 12:23	10/17/13 20:28	1
4-Nitroaniline	<2.32		24.3	2.32	ug/L		10/16/13 12:23	10/17/13 20:28	1
Nitrobenzene	<1.20		9.71	1.20	ug/L		10/16/13 12:23	10/17/13 20:28	1
2-Nitrophenol	<1.52		9.71	1.52	ug/L		10/16/13 12:23	10/17/13 20:28	1
4-Nitrophenol	<3.23		24.3	3.23	ug/L		10/16/13 12:23	10/17/13 20:28	1
N-Nitrosodi-n-propylamine	<1.38		9.71	1.38	ug/L		10/16/13 12:23	10/17/13 20:28	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.40		9.71	1.40	ug/L		10/16/13 12:23	10/17/13 20:28	1
Pentachlorophenol	<1.60		24.3	1.60	ug/L		10/16/13 12:23	10/17/13 20:28	1
Phenanthrene	<0.333		1.94	0.333	ug/L		10/16/13 12:23	10/17/13 20:28	1
Phenol	<3.35		9.71	3.35	ug/L		10/16/13 12:23	10/17/13 20:28	1
Pyrene	<0.321		1.94	0.321	ug/L		10/16/13 12:23	10/17/13 20:28	1
1,2,4,5-Tetrachlorobenzene	<3.92		9.71	3.92	ug/L		10/16/13 12:23	10/17/13 20:28	1
2,3,4,6-Tetrachlorophenol	<3.52		9.71	3.52	ug/L		10/16/13 12:23	10/17/13 20:28	1
2,4,5-Trichlorophenol	<1.97		24.3	1.97	ug/L		10/16/13 12:23	10/17/13 20:28	1
2,4,6-Trichlorophenol	<1.71		9.71	1.71	ug/L		10/16/13 12:23	10/17/13 20:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	54		29 - 120				10/16/13 12:23	10/17/13 20:28	1
2-Fluorophenol (Surr)	35		10 - 120				10/16/13 12:23	10/17/13 20:28	1
Nitrobenzene-d5 (Surr)	59		27 - 120				10/16/13 12:23	10/17/13 20:28	1
Phenol-d5 (Surr)	23		10 - 120				10/16/13 12:23	10/17/13 20:28	1
Terphenyl-d14 (Surr)	55		13 - 120				10/16/13 12:23	10/17/13 20:28	1
2,4,6-Tribromophenol (Surr)	58		10 - 120				10/16/13 12:23	10/17/13 20:28	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00562		0.0238	0.00562	ug/L		10/16/13 09:58	10/17/13 21:06	1
alpha-BHC	<0.0106		0.0238	0.0106	ug/L		10/16/13 09:58	10/17/13 21:06	1
beta-BHC	<0.00667		0.0238	0.00667	ug/L		10/16/13 09:58	10/17/13 21:06	1
delta-BHC	<0.00733		0.0238	0.00733	ug/L		10/16/13 09:58	10/17/13 21:06	1
gamma-BHC (Lindane)	<0.00543		0.0238	0.00543	ug/L		10/16/13 09:58	10/17/13 21:06	1
alpha-Chlordane	<0.00505		0.0238	0.00505	ug/L		10/16/13 09:58	10/17/13 21:06	1
gamma-Chlordane	<0.0171		0.0238	0.0171	ug/L		10/16/13 09:58	10/17/13 21:06	1
Chlordane (technical)	<0.174		1.90	0.174	ug/L		10/16/13 09:58	10/17/13 21:06	1
4,4'-DDD	<0.00733		0.0238	0.00733	ug/L		10/16/13 09:58	10/17/13 21:06	1
4,4'-DDE	<0.00943		0.0238	0.00943	ug/L		10/16/13 09:58	10/17/13 21:06	1
4,4'-DDT	<0.00848		0.0238	0.00848	ug/L		10/16/13 09:58	10/18/13 18:40	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 TW-4 (14-18)**

**Lab Sample ID: 490-37639-3**

**Date Collected: 10/11/13 12:00**

**Matrix: Ground Water**

**Date Received: 10/12/13 09:06**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00543		0.0238	0.00543	ug/L		10/16/13 09:58	10/17/13 21:06	1
Endosulfan I	<0.00743		0.0238	0.00743	ug/L		10/16/13 09:58	10/17/13 21:06	1
Endosulfan II	<0.00514		0.0238	0.00514	ug/L		10/16/13 09:58	10/17/13 21:06	1
Endosulfan sulfate	<0.00619		0.0238	0.00619	ug/L		10/16/13 09:58	10/17/13 21:06	1
Endrin	<0.00629		0.0238	0.00629	ug/L		10/16/13 09:58	10/24/13 08:50	1
Endrin aldehyde	<0.00829		0.0238	0.00829	ug/L		10/16/13 09:58	10/24/13 08:50	1
Endrin ketone	<0.00619		0.0238	0.00619	ug/L		10/16/13 09:58	10/24/13 08:50	1
Heptachlor	<0.00543		0.0238	0.00543	ug/L		10/16/13 09:58	10/17/13 21:06	1
Heptachlor epoxide	<0.00667		0.0238	0.00667	ug/L		10/16/13 09:58	10/17/13 21:06	1
Methoxychlor	<0.00505		0.0238	0.00505	ug/L		10/16/13 09:58	10/18/13 18:40	1
Toxaphene	<0.0393		1.90	0.0393	ug/L		10/16/13 09:58	10/17/13 21:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		38 - 150	10/16/13 09:58	10/17/13 21:06	1
DCB Decachlorobiphenyl (Surr)	63		10 - 141	10/16/13 09:58	10/17/13 21:06	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0462		0.472	0.0462	ug/L		10/16/13 09:50	10/17/13 14:32	1
PCB-1221	<0.245		0.472	0.245	ug/L		10/16/13 09:50	10/17/13 14:32	1
PCB-1232	<0.0660		0.472	0.0660	ug/L		10/16/13 09:50	10/17/13 14:32	1
PCB-1242	<0.0604		0.472	0.0604	ug/L		10/16/13 09:50	10/17/13 14:32	1
PCB-1248	<0.0651		0.472	0.0651	ug/L		10/16/13 09:50	10/17/13 14:32	1
PCB-1254	<0.00660		0.472	0.00660	ug/L		10/16/13 09:50	10/17/13 14:32	1
PCB-1260	<0.0113		0.472	0.0113	ug/L		10/16/13 09:50	10/17/13 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	53		10 - 150	10/16/13 09:50	10/17/13 14:32	1
Tetrachloro-m-xylene	107		10 - 150	10/16/13 09:50	10/17/13 14:32	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>87.5</b>		1.00	0.680	mg/L		10/16/13 14:45	10/17/13 23:05	10
Antimony	<0.0670		0.100	0.0670	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Arsenic</b>	<b>0.311</b>	<b>B</b>	0.100	0.0470	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Barium</b>	<b>0.586</b>		0.100	0.00500	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Beryllium</b>	<b>0.0330</b>	<b>J</b>	0.0400	0.00300	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Cadmium</b>	<b>0.0200</b>		0.0100	0.00200	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Calcium</b>	<b>41.5</b>		10.0	1.50	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Chromium</b>	<b>1.40</b>		0.0500	0.0120	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Cobalt</b>	<b>0.117</b>		0.100	0.00900	mg/L		10/16/13 14:45	10/17/13 23:05	10
Copper	<0.0700		0.100	0.0700	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Iron</b>	<b>371</b>	<b>B</b>	1.00	0.100	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Lead</b>	<b>0.161</b>		0.0500	0.0350	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Magnesium</b>	<b>61.2</b>		10.0	0.530	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Manganese</b>	<b>2.06</b>		0.150	0.0200	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Nickel</b>	<b>0.170</b>		0.100	0.0130	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Potassium</b>	<b>9.29</b>	<b>J B</b>	10.0	0.880	mg/L		10/16/13 14:45	10/17/13 23:05	10
Selenium	<0.0640		0.100	0.0640	mg/L		10/16/13 14:45	10/17/13 23:05	10
Silver	<0.0130	<b>L</b>	0.0500	0.0130	mg/L		10/16/13 14:45	10/17/13 23:05	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 TW-4 (14-18)**

**Lab Sample ID: 490-37639-3**

Date Collected: 10/11/13 12:00

Matrix: Ground Water

Date Received: 10/12/13 09:06

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>50.2</b>		10.0	3.60	mg/L		10/16/13 14:45	10/17/13 23:05	10
Thallium	<0.0450		0.100	0.0450	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Vanadium</b>	<b>0.513</b>		0.200	0.150	mg/L		10/16/13 14:45	10/17/13 23:05	10
<b>Zinc</b>	<b>0.497</b>	<b>J</b>	0.500	0.100	mg/L		10/16/13 14:45	10/17/13 23:05	10

**Method: 6010C - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0680		0.100	0.0680	mg/L		10/18/13 13:24	10/21/13 18:04	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/18/13 13:24	10/21/13 18:04	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/18/13 13:24	10/21/13 18:04	1
<b>Barium</b>	<b>0.0249</b>		0.0100	0.000500	mg/L		10/18/13 13:24	10/21/13 18:04	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/18/13 13:24	10/21/13 18:04	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/18/13 13:24	10/21/13 18:04	1
<b>Calcium</b>	<b>41.6</b>		1.00	0.150	mg/L		10/18/13 13:24	10/21/13 18:04	1
<b>Chromium</b>	<b>0.667</b>		0.00500	0.00120	mg/L		10/18/13 13:24	10/21/13 18:04	1
<b>Cobalt</b>	<b>0.00850</b>	<b>J</b>	0.0100	0.000900	mg/L		10/18/13 13:24	10/21/13 18:04	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/18/13 13:24	10/21/13 18:04	1
Iron	<0.0100		0.100	0.0100	mg/L		10/18/13 13:24	10/21/13 18:04	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/18/13 13:24	10/21/13 18:04	1
<b>Magnesium</b>	<b>44.6</b>		1.00	0.0530	mg/L		10/18/13 13:24	10/21/13 18:04	1
<b>Manganese</b>	<b>0.427</b>		0.0150	0.00200	mg/L		10/18/13 13:24	10/21/13 18:04	1
<b>Nickel</b>	<b>0.00440</b>	<b>J</b>	0.0100	0.00130	mg/L		10/18/13 13:24	10/21/13 18:04	1
<b>Potassium</b>	<b>6.17</b>		1.00	0.0880	mg/L		10/18/13 13:24	10/21/13 18:04	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/18/13 13:24	10/21/13 18:04	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/18/13 13:24	10/21/13 18:04	1
<b>Sodium</b>	<b>51.8</b>		1.00	0.360	mg/L		10/18/13 13:24	10/21/13 18:04	1
<b>Thallium</b>	<b>0.00610</b>	<b>J B</b>	0.0100	0.00450	mg/L		10/18/13 13:24	10/21/13 18:04	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/18/13 13:24	10/21/13 18:04	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/18/13 13:24	10/21/13 18:04	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/23/13 12:54	10/24/13 11:36	1

**Method: 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		10/24/13 08:25	10/24/13 14:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.300	H	1.00	0.300	mg/L			10/12/13 13:20	100

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 490-37639-4**

**Date Collected: 10/11/13 00:01**

**Matrix: Water**

**Date Received: 10/12/13 09:06**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/17/13 17:54	1
Benzene	<0.200		1.00	0.200	ug/L			10/17/13 17:54	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/17/13 17:54	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/17/13 17:54	1
Bromoform	<0.290		1.00	0.290	ug/L			10/17/13 17:54	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/17/13 17:54	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/17/13 17:54	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/17/13 17:54	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/17/13 17:54	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/17/13 17:54	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/17/13 17:54	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/17/13 17:54	1
Chloroform	<0.230		1.00	0.230	ug/L			10/17/13 17:54	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/17/13 17:54	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/17/13 17:54	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/17/13 17:54	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/17/13 17:54	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/17/13 17:54	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/17/13 17:54	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/17/13 17:54	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/17/13 17:54	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/17/13 17:54	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/17/13 17:54	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/17/13 17:54	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/17/13 17:54	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/17/13 17:54	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/17/13 17:54	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/17/13 17:54	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/17/13 17:54	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/17/13 17:54	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/17/13 17:54	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/17/13 17:54	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/17/13 17:54	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/17/13 17:54	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/17/13 17:54	1
Styrene	<0.280		1.00	0.280	ug/L			10/17/13 17:54	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/17/13 17:54	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/17/13 17:54	1
Toluene	<0.170		1.00	0.170	ug/L			10/17/13 17:54	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/17/13 17:54	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/17/13 17:54	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/17/13 17:54	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/17/13 17:54	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/17/13 17:54	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/17/13 17:54	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/17/13 17:54	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/17/13 17:54	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/17/13 17:54	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/17/13 17:54	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 490-37639-4**

Date Collected: 10/11/13 00:01

Matrix: Water

Date Received: 10/12/13 09:06

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/17/13 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130					10/17/13 17:54	1
Dibromofluoromethane (Surr)	101		70 - 130					10/17/13 17:54	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 130					10/17/13 17:54	1
Toluene-d8 (Surr)	96		70 - 130					10/17/13 17:54	1



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-115059/5**

**Matrix: Water**

**Analysis Batch: 115059**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		5.00	2.66	ug/L			10/17/13 13:42	1
Benzene	<0.200		1.00	0.200	ug/L			10/17/13 13:42	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			10/17/13 13:42	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			10/17/13 13:42	1
Bromoform	<0.290		1.00	0.290	ug/L			10/17/13 13:42	1
Bromomethane	<0.350		1.00	0.350	ug/L			10/17/13 13:42	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			10/17/13 13:42	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			10/17/13 13:42	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			10/17/13 13:42	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			10/17/13 13:42	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			10/17/13 13:42	1
Chloroethane	<0.360		1.00	0.360	ug/L			10/17/13 13:42	1
Chloroform	<0.230		1.00	0.230	ug/L			10/17/13 13:42	1
Chloromethane	<0.360		1.00	0.360	ug/L			10/17/13 13:42	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/17/13 13:42	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/17/13 13:42	1
Cyclohexane	<0.220		5.00	0.220	ug/L			10/17/13 13:42	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			10/17/13 13:42	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			10/17/13 13:42	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			10/17/13 13:42	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			10/17/13 13:42	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			10/17/13 13:42	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			10/17/13 13:42	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			10/17/13 13:42	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			10/17/13 13:42	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			10/17/13 13:42	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			10/17/13 13:42	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			10/17/13 13:42	1
2-Hexanone	<1.28		5.00	1.28	ug/L			10/17/13 13:42	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			10/17/13 13:42	1
Methyl acetate	<0.720		10.0	0.720	ug/L			10/17/13 13:42	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			10/17/13 13:42	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			10/17/13 13:42	1
4-Methyl-2-pentanone (MIBK)	<0.810		5.00	0.810	ug/L			10/17/13 13:42	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			10/17/13 13:42	1
Styrene	<0.280		1.00	0.280	ug/L			10/17/13 13:42	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			10/17/13 13:42	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			10/17/13 13:42	1
Toluene	<0.170		1.00	0.170	ug/L			10/17/13 13:42	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			10/17/13 13:42	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			10/17/13 13:42	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			10/17/13 13:42	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			10/17/13 13:42	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/17/13 13:42	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			10/17/13 13:42	1
Trichloroethene	<0.200		1.00	0.200	ug/L			10/17/13 13:42	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			10/17/13 13:42	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			10/17/13 13:42	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-115059/5**

**Matrix: Water**

**Analysis Batch: 115059**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/17/13 13:42	1
Xylenes, Total	<0.380		2.00	0.380	ug/L			10/17/13 13:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		10/17/13 13:42	1
Dibromofluoromethane (Surr)	105		70 - 130		10/17/13 13:42	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 130		10/17/13 13:42	1
Toluene-d8 (Surr)	99		70 - 130		10/17/13 13:42	1

**Lab Sample ID: LCS 490-115059/3**

**Matrix: Water**

**Analysis Batch: 115059**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	82.72		ug/L		83	54 - 145
Benzene	20.0	18.90		ug/L		95	80 - 121
Bromochloromethane	20.0	19.25		ug/L		96	78 - 129
Bromodichloromethane	20.0	20.42		ug/L		102	75 - 129
Bromoform	20.0	21.39		ug/L		107	46 - 145
Bromomethane	20.0	16.94		ug/L		85	41 - 150
2-Butanone (MEK)	100	86.99		ug/L		87	62 - 133
Carbon disulfide	20.0	18.78		ug/L		94	77 - 126
Carbon tetrachloride	20.0	21.30		ug/L		107	64 - 147
Chlorobenzene	20.0	19.77		ug/L		99	80 - 120
Chlorodibromomethane	20.0	19.66		ug/L		98	69 - 133
Chloroethane	20.0	18.18		ug/L		91	72 - 120
Chloroform	20.0	18.31		ug/L		92	73 - 129
Chloromethane	20.0	13.80		ug/L		69	12 - 150
cis-1,2-Dichloroethene	20.0	17.87		ug/L		89	76 - 125
cis-1,3-Dichloropropene	20.0	19.61		ug/L		98	74 - 140
Cyclohexane	20.0	17.73		ug/L		89	73 - 122
1,2-Dibromo-3-Chloropropane	20.0	24.12		ug/L		121	54 - 125
1,2-Dibromoethane (EDB)	20.0	19.92		ug/L		100	80 - 129
1,2-Dichlorobenzene	20.0	20.02		ug/L		100	80 - 121
1,3-Dichlorobenzene	20.0	19.06		ug/L		95	80 - 122
1,4-Dichlorobenzene	20.0	19.05		ug/L		95	80 - 120
Dichlorodifluoromethane	20.0	15.47		ug/L		77	37 - 127
1,1-Dichloroethane	20.0	18.50		ug/L		92	78 - 125
1,2-Dichloroethane	20.0	16.10		ug/L		81	77 - 121
1,1-Dichloroethene	20.0	19.33		ug/L		97	79 - 124
1,2-Dichloropropane	20.0	18.69		ug/L		93	75 - 120
Ethylbenzene	20.0	19.24		ug/L		96	80 - 130
2-Hexanone	100	83.96		ug/L		84	60 - 142
Isopropylbenzene	20.0	19.93		ug/L		100	80 - 141
Methyl acetate	100	75.30		ug/L		75	64 - 150
Methylcyclohexane	20.0	19.74		ug/L		99	71 - 129
Methylene Chloride	20.0	17.01		ug/L		85	79 - 123
4-Methyl-2-pentanone (MIBK)	100	93.48		ug/L		93	60 - 137

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-115059/3**

**Matrix: Water**

**Analysis Batch: 115059**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Methyl tert-butyl ether	20.0	19.57		ug/L		98	72 - 133	
Styrene	20.0	20.96		ug/L		105	80 - 127	
1,1,2,2-Tetrachloroethane	20.0	19.51		ug/L		98	69 - 131	
Tetrachloroethene	20.0	19.77		ug/L		99	80 - 126	
Toluene	20.0	19.33		ug/L		97	80 - 126	
trans-1,2-Dichloroethene	20.0	17.54		ug/L		88	79 - 126	
trans-1,3-Dichloropropene	20.0	19.89		ug/L		99	63 - 134	
1,2,3-Trichlorobenzene	20.0	23.07		ug/L		115	62 - 133	
1,2,4-Trichlorobenzene	20.0	20.46		ug/L		102	63 - 133	
1,1,1-Trichloroethane	20.0	22.22		ug/L		111	78 - 135	
1,1,2-Trichloroethane	20.0	19.95		ug/L		100	80 - 124	
Trichloroethene	20.0	20.94		ug/L		105	80 - 123	
Trichlorofluoromethane	20.0	18.74		ug/L		94	65 - 124	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	19.19		ug/L		96	77 - 129	
Vinyl chloride	20.0	17.16		ug/L		86	68 - 120	
Xylenes, Total	40.0	38.60		ug/L		97	80 - 132	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	83		70 - 130
Toluene-d8 (Surr)	98		70 - 130

**Lab Sample ID: LCSD 490-115059/4**

**Matrix: Water**

**Analysis Batch: 115059**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
									RPD	Limit
Acetone	100	81.26		ug/L		81	54 - 145	2	21	
Benzene	20.0	18.49		ug/L		92	80 - 121	2	17	
Bromochloromethane	20.0	19.81		ug/L		99	78 - 129	3	17	
Bromodichloromethane	20.0	20.26		ug/L		101	75 - 129	1	18	
Bromoform	20.0	21.16		ug/L		106	46 - 145	1	16	
Bromomethane	20.0	17.02		ug/L		85	41 - 150	0	50	
2-Butanone (MEK)	100	89.99		ug/L		90	62 - 133	3	19	
Carbon disulfide	20.0	17.73		ug/L		89	77 - 126	6	21	
Carbon tetrachloride	20.0	20.78		ug/L		104	64 - 147	3	19	
Chlorobenzene	20.0	19.12		ug/L		96	80 - 120	3	14	
Chlorodibromomethane	20.0	18.96		ug/L		95	69 - 133	4	15	
Chloroethane	20.0	16.79		ug/L		84	72 - 120	8	20	
Chloroform	20.0	17.63		ug/L		88	73 - 129	4	18	
Chloromethane	20.0	12.88		ug/L		64	12 - 150	7	31	
cis-1,2-Dichloroethene	20.0	17.65		ug/L		88	76 - 125	1	17	
cis-1,3-Dichloropropene	20.0	19.40		ug/L		97	74 - 140	1	15	
Cyclohexane	20.0	17.23		ug/L		86	73 - 122	3	16	
1,2-Dibromo-3-Chloropropane	20.0	24.09		ug/L		120	54 - 125	0	24	
1,2-Dibromoethane (EDB)	20.0	20.39		ug/L		102	80 - 129	2	15	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-115059/4**

**Matrix: Water**

**Analysis Batch: 115059**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	20.0	19.47		ug/L		97	80 - 121	3	15
1,3-Dichlorobenzene	20.0	18.76		ug/L		94	80 - 122	2	15
1,4-Dichlorobenzene	20.0	18.89		ug/L		94	80 - 120	1	15
Dichlorodifluoromethane	20.0	14.96		ug/L		75	37 - 127	3	18
1,1-Dichloroethane	20.0	17.85		ug/L		89	78 - 125	4	17
1,2-Dichloroethane	20.0	15.86		ug/L		79	77 - 121	1	17
1,1-Dichloroethene	20.0	18.94		ug/L		95	79 - 124	2	17
1,2-Dichloropropane	20.0	18.61		ug/L		93	75 - 120	0	17
Ethylbenzene	20.0	19.01		ug/L		95	80 - 130	1	15
2-Hexanone	100	83.91		ug/L		84	60 - 142	0	15
Isopropylbenzene	20.0	19.35		ug/L		97	80 - 141	3	16
Methyl acetate	100	79.00		ug/L		79	64 - 150	5	31
Methylcyclohexane	20.0	19.11		ug/L		96	71 - 129	3	19
Methylene Chloride	20.0	17.16		ug/L		86	79 - 123	1	17
4-Methyl-2-pentanone (MIBK)	100	93.52		ug/L		94	60 - 137	0	17
Methyl tert-butyl ether	20.0	20.00		ug/L		100	72 - 133	2	16
Styrene	20.0	20.61		ug/L		103	80 - 127	2	24
1,1,2,2-Tetrachloroethane	20.0	18.98		ug/L		95	69 - 131	3	20
Tetrachloroethene	20.0	19.05		ug/L		95	80 - 126	4	16
Toluene	20.0	18.86		ug/L		94	80 - 126	2	15
trans-1,2-Dichloroethene	20.0	16.59		ug/L		83	79 - 126	6	16
trans-1,3-Dichloropropene	20.0	19.85		ug/L		99	63 - 134	0	14
1,2,3-Trichlorobenzene	20.0	23.00		ug/L		115	62 - 133	0	25
1,2,4-Trichlorobenzene	20.0	20.48		ug/L		102	63 - 133	0	19
1,1,1-Trichloroethane	20.0	21.51		ug/L		108	78 - 135	3	17
1,1,2-Trichloroethane	20.0	19.59		ug/L		98	80 - 124	2	15
Trichloroethene	20.0	20.38		ug/L		102	80 - 123	3	17
Trichlorofluoromethane	20.0	16.69		ug/L		83	65 - 124	12	18
1,1,2-Trichloro-1,2,2-trichloroethane	20.0	18.19		ug/L		91	77 - 129	5	18
Vinyl chloride	20.0	16.68		ug/L		83	68 - 120	3	17
Xylenes, Total	40.0	37.93		ug/L		95	80 - 132	2	15

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	82		70 - 130
Toluene-d8 (Surr)	98		70 - 130

**Lab Sample ID: 490-37869-A-7 MS**

**Matrix: Water**

**Analysis Batch: 115059**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Acetone	<2.66		250	187.3		ug/L		75	45 - 141
Benzene	<0.200		50.0	41.70		ug/L		83	75 - 133
Bromochloromethane	<0.150		50.0	45.27		ug/L		91	67 - 139
Bromodichloromethane	<0.170		50.0	46.87		ug/L		94	70 - 140

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37869-A-7 MS**

**Matrix: Water**

**Analysis Batch: 115059**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Bromoform	<0.290		50.0	45.02		ug/L		90	42 - 147
Bromomethane	<0.350		50.0	47.37		ug/L		95	16 - 163
2-Butanone (MEK)	<2.64		250	210.5		ug/L		84	50 - 138
Carbon disulfide	<0.220		50.0	37.61		ug/L		75	48 - 152
Carbon tetrachloride	<0.180		50.0	49.85		ug/L		100	62 - 164
Chlorobenzene	<0.180		50.0	43.94		ug/L		88	80 - 129
Chlorodibromomethane	<0.250		50.0	44.49		ug/L		89	66 - 140
Chloroethane	<0.360		50.0	42.70		ug/L		85	58 - 137
Chloroform	<0.230		50.0	40.49		ug/L		81	66 - 138
Chloromethane	<0.360		50.0	37.20		ug/L		74	10 - 169
cis-1,2-Dichloroethene	<0.210		50.0	40.19		ug/L		80	68 - 138
cis-1,3-Dichloropropene	<0.170		50.0	44.63		ug/L		89	71 - 141
Cyclohexane	<0.220		50.0	39.28		ug/L		79	58 - 144
1,2-Dibromo-3-Chloropropane	<0.940		50.0	52.32		ug/L		105	52 - 126
1,2-Dibromoethane (EDB)	<0.210		50.0	45.16		ug/L		90	75 - 137
1,2-Dichlorobenzene	<0.190		50.0	44.88		ug/L		90	79 - 128
1,3-Dichlorobenzene	<0.180		50.0	44.33		ug/L		89	77 - 131
1,4-Dichlorobenzene	<0.170		50.0	43.95		ug/L		88	78 - 126
Dichlorodifluoromethane	<0.170		50.0	29.93		ug/L		60	40 - 127
1,1-Dichloroethane	<0.240		50.0	41.45		ug/L		83	71 - 139
1,2-Dichloroethane	<0.200		50.0	33.50		ug/L		67	64 - 136
1,1,1-Dichloroethene	0.312	J	50.0	44.69		ug/L		89	70 - 142
1,2-Dichloropropane	<0.250		50.0	43.38		ug/L		87	67 - 131
Ethylbenzene	<0.190		50.0	42.46		ug/L		85	79 - 139
2-Hexanone	<1.28		250	202.6		ug/L		81	50 - 150
Isopropylbenzene	<0.330		50.0	45.28		ug/L		91	80 - 153
Methyl acetate	<0.720		250	156.2		ug/L		62	30 - 165
Methylcyclohexane	<0.200		50.0	44.80		ug/L		90	59 - 151
Methylene Chloride	<0.220		50.0	40.23		ug/L		80	64 - 139
4-Methyl-2-pentanone (MIBK)	<0.810		250	222.0		ug/L		89	50 - 147
Methyl tert-butyl ether	<0.170		50.0	49.53		ug/L		99	66 - 141
Styrene	<0.280		50.0	47.52		ug/L		95	61 - 148
1,1,1,2-Tetrachloroethane	<0.190		50.0	45.08		ug/L		90	56 - 143
Tetrachloroethene	145		50.0	164.8	F	ug/L		39	72 - 145
Toluene	<0.170		50.0	41.30		ug/L		83	75 - 136
trans-1,2-Dichloroethene	<0.230		50.0	38.13		ug/L		76	66 - 143
trans-1,3-Dichloropropene	<0.170		50.0	43.17		ug/L		86	59 - 135
1,2,3-Trichlorobenzene	<0.230		50.0	60.16		ug/L		120	55 - 138
1,2,4-Trichlorobenzene	<0.200		50.0	57.60		ug/L		115	60 - 136
1,1,1-Trichloroethane	52.5		50.0	97.72		ug/L		90	76 - 149
1,1,2-Trichloroethane	<0.190		50.0	43.33		ug/L		87	74 - 134
Trichloroethene	0.437	J	50.0	48.51		ug/L		96	73 - 144
Trichlorofluoromethane	<0.210		50.0	43.12		ug/L		86	58 - 139
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	42.23		ug/L		84	72 - 148
Vinyl chloride	<0.180		50.0	40.02		ug/L		80	56 - 129
Xylenes, Total	<0.380		100	84.44		ug/L		84	74 - 141

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37869-A-7 MS**

**Matrix: Water**

**Analysis Batch: 115059**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	79		70 - 130
Toluene-d8 (Surr)	97		70 - 130

**Lab Sample ID: 490-37869-A-7 MSD**

**Matrix: Water**

**Analysis Batch: 115059**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Acetone	<2.66		250	174.0		ug/L		70	45 - 141	7	21
Benzene	<0.200		50.0	41.42		ug/L		83	75 - 133	1	17
Bromochloromethane	<0.150		50.0	43.50		ug/L		87	67 - 139	4	17
Bromodichloromethane	<0.170		50.0	46.24		ug/L		92	70 - 140	1	18
Bromoform	<0.290		50.0	46.00		ug/L		92	42 - 147	2	16
Bromomethane	<0.350		50.0	46.55		ug/L		93	16 - 163	2	50
2-Butanone (MEK)	<2.64		250	207.7		ug/L		83	50 - 138	1	19
Carbon disulfide	<0.220		50.0	36.41		ug/L		73	48 - 152	3	21
Carbon tetrachloride	<0.180		50.0	48.83		ug/L		98	62 - 164	2	19
Chlorobenzene	<0.180		50.0	43.98		ug/L		88	80 - 129	0	14
Chlorodibromomethane	<0.250		50.0	43.83		ug/L		88	66 - 140	1	15
Chloroethane	<0.360		50.0	43.08		ug/L		86	58 - 137	1	20
Chloroform	<0.230		50.0	39.79		ug/L		80	66 - 138	2	18
Chloromethane	<0.360		50.0	33.55		ug/L		67	10 - 169	10	31
cis-1,2-Dichloroethene	<0.210		50.0	39.44		ug/L		79	68 - 138	2	17
cis-1,3-Dichloropropene	<0.170		50.0	44.80		ug/L		90	71 - 141	0	15
Cyclohexane	<0.220		50.0	37.91		ug/L		76	58 - 144	4	16
1,2-Dibromo-3-Chloropropane	<0.940		50.0	54.73		ug/L		109	52 - 126	5	24
1,2-Dibromoethane (EDB)	<0.210		50.0	44.94		ug/L		90	75 - 137	1	15
1,2-Dichlorobenzene	<0.190		50.0	45.04		ug/L		90	79 - 128	0	15
1,3-Dichlorobenzene	<0.180		50.0	44.63		ug/L		89	77 - 131	1	15
1,4-Dichlorobenzene	<0.170		50.0	43.96		ug/L		88	78 - 126	0	15
Dichlorodifluoromethane	<0.170		50.0	28.85		ug/L		58	40 - 127	4	18
1,1-Dichloroethane	<0.240		50.0	40.52		ug/L		81	71 - 139	2	17
1,2-Dichloroethane	<0.200		50.0	32.76		ug/L		66	64 - 136	2	17
1,1,1-Dichloroethene	0.312	J	50.0	42.60		ug/L		85	70 - 142	5	17
1,2-Dichloropropane	<0.250		50.0	43.09		ug/L		86	67 - 131	1	17
Ethylbenzene	<0.190		50.0	42.11		ug/L		84	79 - 139	1	15
2-Hexanone	<1.28		250	205.8		ug/L		82	50 - 150	2	15
Isopropylbenzene	<0.330		50.0	45.29		ug/L		91	80 - 153	0	16
Methyl acetate	<0.720		250	155.7		ug/L		62	30 - 165	0	31
Methylcyclohexane	<0.200		50.0	44.31		ug/L		89	59 - 151	1	19
Methylene Chloride	<0.220		50.0	39.71		ug/L		79	64 - 139	1	17
4-Methyl-2-pentanone (MIBK)	<0.810		250	225.8		ug/L		90	50 - 147	2	17
Methyl tert-butyl ether	<0.170		50.0	53.56		ug/L		107	66 - 141	8	16
Styrene	<0.280		50.0	46.93		ug/L		94	61 - 148	1	24
1,1,1,2,2-Tetrachloroethane	<0.190		50.0	45.32		ug/L		91	56 - 143	1	20
Tetrachloroethene	145		50.0	150.8	F	ug/L		11	72 - 145	9	16

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37869-A-7 MSD**

**Matrix: Water**

**Analysis Batch: 115059**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Toluene	<0.170		50.0	41.28		ug/L		83	75 - 136	0	15
trans-1,2-Dichloroethene	<0.230		50.0	37.28		ug/L		75	66 - 143	2	16
trans-1,3-Dichloropropene	<0.170		50.0	43.88		ug/L		88	59 - 135	2	14
1,2,3-Trichlorobenzene	<0.230		50.0	61.44		ug/L		123	55 - 138	2	25
1,2,4-Trichlorobenzene	<0.200		50.0	58.85		ug/L		118	60 - 136	2	19
1,1,1-Trichloroethane	52.5		50.0	91.26		ug/L		77	76 - 149	7	17
1,1,2-Trichloroethane	<0.190		50.0	43.21		ug/L		86	74 - 134	0	15
Trichloroethene	0.437	J	50.0	48.24		ug/L		96	73 - 144	1	17
Trichlorofluoromethane	<0.210		50.0	40.60		ug/L		81	58 - 139	6	18
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	41.39		ug/L		83	72 - 148	2	18
Vinyl chloride	<0.180		50.0	39.38		ug/L		79	56 - 129	2	17
Xylenes, Total	<0.380		100	84.69		ug/L		85	74 - 141	0	15

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	77		70 - 130
Toluene-d8 (Surr)	97		70 - 130

**Lab Sample ID: MB 490-115295/10**

**Matrix: Solid**

**Analysis Batch: 115295**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0400		0.0500	0.0400	mg/Kg			10/18/13 14:14	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/18/13 14:14	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			10/18/13 14:14	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			10/18/13 14:14	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			10/18/13 14:14	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			10/18/13 14:14	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			10/18/13 14:14	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			10/18/13 14:14	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			10/18/13 14:14	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/18/13 14:14	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			10/18/13 14:14	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			10/18/13 14:14	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			10/18/13 14:14	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/18/13 14:14	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-115295/10**

**Matrix: Solid**

**Analysis Batch: 115295**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			10/18/13 14:14	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			10/18/13 14:14	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			10/18/13 14:14	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			10/18/13 14:14	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			10/18/13 14:14	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			10/18/13 14:14	1
Methylene Chloride	<0.000860		0.0100	0.000860	mg/Kg			10/18/13 14:14	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			10/18/13 14:14	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			10/18/13 14:14	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			10/18/13 14:14	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			10/18/13 14:14	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			10/18/13 14:14	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			10/18/13 14:14	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			10/18/13 14:14	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			10/18/13 14:14	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			10/18/13 14:14	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			10/18/13 14:14	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			10/18/13 14:14	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			10/18/13 14:14	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			10/18/13 14:14	1
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			10/18/13 14:14	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			10/18/13 14:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130		10/18/13 14:14	1
Dibromofluoromethane (Surr)	102		70 - 130		10/18/13 14:14	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 130		10/18/13 14:14	1
Toluene-d8 (Surr)	96		70 - 130		10/18/13 14:14	1

**Lab Sample ID: LCS 490-115295/4**

**Matrix: Solid**

**Analysis Batch: 115295**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2737		mg/Kg		109	51 - 149
Benzene	0.0500	0.04880		mg/Kg		98	75 - 127
Bromochloromethane	0.0500	0.05296		mg/Kg		106	70 - 132
Bromodichloromethane	0.0500	0.05434		mg/Kg		109	68 - 135
Bromoform	0.0500	0.04950		mg/Kg		99	36 - 150
Bromomethane	0.0500	0.05378		mg/Kg		108	43 - 142
2-Butanone (MEK)	0.250	0.2635		mg/Kg		105	61 - 132
Carbon disulfide	0.0500	0.04921		mg/Kg		98	74 - 135
Carbon tetrachloride	0.0500	0.05074		mg/Kg		101	70 - 141

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-115295/4**

**Matrix: Solid**

**Analysis Batch: 115295**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	0.0500	0.04725		mg/Kg		94	84 - 125
Chlorodibromomethane	0.0500	0.05094	E	mg/Kg		102	66 - 134
Chloroethane	0.0500	0.04979		mg/Kg		100	53 - 144
Chloroform	0.0500	0.04643		mg/Kg		93	76 - 130
Chloromethane	0.0500	0.05026		mg/Kg		101	23 - 150
cis-1,2-Dichloroethene	0.0500	0.04942		mg/Kg		99	75 - 125
cis-1,3-Dichloropropene	0.0500	0.04893		mg/Kg		98	73 - 148
Cyclohexane	0.0500	0.04986		mg/Kg		100	70 - 133
1,2-Dibromo-3-Chloropropane	0.0500	0.04201		mg/Kg		84	49 - 142
1,2-Dibromoethane (EDB)	0.0500	0.04902		mg/Kg		98	80 - 135
1,2-Dichlorobenzene	0.0500	0.04917		mg/Kg		98	80 - 134
1,3-Dichlorobenzene	0.0500	0.04958		mg/Kg		99	79 - 137
1,4-Dichlorobenzene	0.0500	0.04513		mg/Kg		90	77 - 139
Dichlorodifluoromethane	0.0500	0.04860		mg/Kg		97	12 - 144
1,1-Dichloroethane	0.0500	0.04865		mg/Kg		97	75 - 124
1,2-Dichloroethane	0.0500	0.04813		mg/Kg		96	65 - 134
1,1-Dichloroethene	0.0500	0.04691		mg/Kg		94	75 - 131
1,2-Dichloropropane	0.0500	0.05123		mg/Kg		102	69 - 120
Ethylbenzene	0.0500	0.04549		mg/Kg		91	80 - 134
2-Hexanone	0.250	0.2539		mg/Kg		102	57 - 148
Isopropylbenzene	0.0500	0.04868		mg/Kg		97	80 - 150
Methyl acetate	0.250	0.3141		mg/Kg		126	11 - 170
Methylcyclohexane	0.0500	0.04884		mg/Kg		98	69 - 140
Methylene Chloride	0.0500	0.04598		mg/Kg		92	68 - 144
4-Methyl-2-pentanone (MIBK)	0.250	0.2494		mg/Kg		100	59 - 138
Methyl tert-butyl ether	0.0500	0.05434		mg/Kg		109	70 - 136
Styrene	0.0500	0.05020		mg/Kg		100	82 - 137
1,1,2,2-Tetrachloroethane	0.0500	0.04872		mg/Kg		97	66 - 134
Tetrachloroethene	0.0500	0.04370		mg/Kg		87	78 - 140
Toluene	0.0500	0.04354		mg/Kg		87	80 - 132
trans-1,2-Dichloroethene	0.0500	0.04951		mg/Kg		99	76 - 128
trans-1,3-Dichloropropene	0.0500	0.04279		mg/Kg		86	62 - 139
1,2,3-Trichlorobenzene	0.0500	0.05594		mg/Kg		112	70 - 150
1,2,4-Trichlorobenzene	0.0500	0.04889		mg/Kg		98	62 - 150
1,1,1-Trichloroethane	0.0500	0.04803		mg/Kg		96	72 - 140
1,1,2-Trichloroethane	0.0500	0.04538		mg/Kg		91	78 - 128
Trichloroethene	0.0500	0.05171		mg/Kg		103	77 - 127
Trichlorofluoromethane	0.0500	0.04573		mg/Kg		91	50 - 140
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.04806		mg/Kg		96	67 - 136
Vinyl chloride	0.0500	0.05069		mg/Kg		101	47 - 136
Xylenes, Total	0.100	0.09254		mg/Kg		93	80 - 137

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
Toluene-d8 (Surr)	93		70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-115295/7**

**Matrix: Solid**

**Analysis Batch: 115295**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.250	0.2667		mg/Kg		107	51 - 149	3	50
Benzene	0.0500	0.04666		mg/Kg		93	75 - 127	4	50
Bromochloromethane	0.0500	0.05185		mg/Kg		104	70 - 132	2	50
Bromodichloromethane	0.0500	0.05274		mg/Kg		105	68 - 135	3	50
Bromoform	0.0500	0.05087	E	mg/Kg		102	36 - 150	3	50
Bromomethane	0.0500	0.05046		mg/Kg		101	43 - 142	6	50
2-Butanone (MEK)	0.250	0.2713		mg/Kg		109	61 - 132	3	50
Carbon disulfide	0.0500	0.04689		mg/Kg		94	74 - 135	5	50
Carbon tetrachloride	0.0500	0.04791		mg/Kg		96	70 - 141	6	50
Chlorobenzene	0.0500	0.04724		mg/Kg		94	84 - 125	0	50
Chlorodibromomethane	0.0500	0.05234	E	mg/Kg		105	66 - 134	3	50
Chloroethane	0.0500	0.04767		mg/Kg		95	53 - 144	4	50
Chloroform	0.0500	0.04476		mg/Kg		90	76 - 130	4	49
Chloromethane	0.0500	0.04743		mg/Kg		95	23 - 150	6	50
cis-1,2-Dichloroethene	0.0500	0.04641		mg/Kg		93	75 - 125	6	50
cis-1,3-Dichloropropene	0.0500	0.04847		mg/Kg		97	73 - 148	1	50
Cyclohexane	0.0500	0.04824		mg/Kg		96	70 - 133	3	50
1,2-Dibromo-3-Chloropropane	0.0500	0.04318		mg/Kg		86	49 - 142	3	50
1,2-Dibromoethane (EDB)	0.0500	0.05037		mg/Kg		101	80 - 135	3	50
1,2-Dichlorobenzene	0.0500	0.05167		mg/Kg		103	80 - 134	5	50
1,3-Dichlorobenzene	0.0500	0.05129		mg/Kg		103	79 - 137	3	50
1,4-Dichlorobenzene	0.0500	0.04889		mg/Kg		98	77 - 139	8	50
Dichlorodifluoromethane	0.0500	0.04540		mg/Kg		91	12 - 144	7	50
1,1-Dichloroethane	0.0500	0.04625		mg/Kg		93	75 - 124	5	50
1,2-Dichloroethane	0.0500	0.04581		mg/Kg		92	65 - 134	5	50
1,1-Dichloroethene	0.0500	0.04680		mg/Kg		94	75 - 131	0	50
1,2-Dichloropropane	0.0500	0.04873		mg/Kg		97	69 - 120	5	50
Ethylbenzene	0.0500	0.04643		mg/Kg		93	80 - 134	2	50
2-Hexanone	0.250	0.2743		mg/Kg		110	57 - 148	8	50
Isopropylbenzene	0.0500	0.04954		mg/Kg		99	80 - 150	2	50
Methyl acetate	0.250	0.4345	*	mg/Kg		174	11 - 170	32	50
Methylcyclohexane	0.0500	0.04991		mg/Kg		100	69 - 140	2	50
Methylene Chloride	0.0500	0.04506		mg/Kg		90	68 - 144	2	50
4-Methyl-2-pentanone (MIBK)	0.250	0.2649		mg/Kg		106	59 - 138	6	50
Methyl tert-butyl ether	0.0500	0.05046		mg/Kg		101	70 - 136	7	50
Styrene	0.0500	0.05048		mg/Kg		101	82 - 137	1	50
1,1,2,2-Tetrachloroethane	0.0500	0.04869		mg/Kg		97	66 - 134	0	50
Tetrachloroethene	0.0500	0.04488		mg/Kg		90	78 - 140	3	50
Toluene	0.0500	0.04408		mg/Kg		88	80 - 132	1	50
trans-1,2-Dichloroethene	0.0500	0.04526		mg/Kg		91	76 - 128	9	50
trans-1,3-Dichloropropene	0.0500	0.04180		mg/Kg		84	62 - 139	2	50
1,2,3-Trichlorobenzene	0.0500	0.05909		mg/Kg		118	70 - 150	5	50
1,2,4-Trichlorobenzene	0.0500	0.05344		mg/Kg		107	62 - 150	9	50
1,1,1-Trichloroethane	0.0500	0.04451		mg/Kg		89	72 - 140	8	50
1,1,2-Trichloroethane	0.0500	0.04719		mg/Kg		94	78 - 128	4	50
Trichloroethene	0.0500	0.05065		mg/Kg		101	77 - 127	2	50
Trichlorofluoromethane	0.0500	0.04364		mg/Kg		87	50 - 140	5	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-115295/7**

**Matrix: Solid**

**Analysis Batch: 115295**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.04734		mg/Kg		95	67 - 136	1	50
Vinyl chloride	0.0500	0.04768		mg/Kg		95	47 - 136	6	50
Xylenes, Total	0.100	0.09518		mg/Kg		95	80 - 137	3	50

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
Toluene-d8 (Surr)	95		70 - 130

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-114675/1-A**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0100		0.0670	0.0100	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Acenaphthylene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Acetophenone	<0.0700		0.333	0.0700	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Anthracene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Atrazine	<0.167		0.333	0.167	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Benzaldehyde	<0.286		1.67	0.286	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Benzo[a]anthracene	<0.0150		0.0670	0.0150	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Benzo[a]pyrene	<0.0120		0.0670	0.0120	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Benzo[b]fluoranthene	<0.0120		0.0670	0.0120	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Benzo[g,h,i]perylene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Benzo[k]fluoranthene	<0.0140		0.0670	0.0140	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Biphenyl	<0.104		0.333	0.104	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Bis(2-chloroethoxy)methane	<0.0120		0.333	0.0120	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Bis(2-chloroethyl)ether	<0.0200		0.333	0.0200	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
bis (2-chloroisopropyl) ether	<0.134		0.333	0.134	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Bis(2-ethylhexyl) phthalate	0.03650	J	0.333	0.0130	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4-Bromophenyl phenyl ether	<0.0170		0.333	0.0170	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Butyl benzyl phthalate	<0.0160		0.333	0.0160	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Caprolactam	<0.108		0.333	0.108	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Carbazole	<0.00700		0.333	0.00700	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4-Chloroaniline	<0.166		0.333	0.166	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4-Chloro-3-methylphenol	<0.0160		0.333	0.0160	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2-Chloronaphthalene	<0.0170		0.333	0.0170	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2-Chlorophenol	<0.0150		0.333	0.0150	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4-Chlorophenyl phenyl ether	<0.0240		0.333	0.0240	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Chrysene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Dibenz(a,h)anthracene	<0.00700		0.0670	0.00700	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Dibenzofuran	<0.0130		0.333	0.0130	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
3,3'-Dichlorobenzidine	<0.133		0.667	0.133	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,4-Dichlorophenol	<0.0170		0.333	0.0170	mg/Kg		10/16/13 08:57	10/17/13 20:31	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-114675/1-A

Matrix: Solid

Analysis Batch: 115140

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<0.0140		0.333	0.0140	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Dimethyl phthalate	<0.00800		1.67	0.00800	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Di-n-butyl phthalate	<0.0130		0.333	0.0130	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4,6-Dinitro-2-methylphenol	<0.103		0.333	0.103	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,4-Dinitrophenol	<0.110		0.333	0.110	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,4-Dinitrotoluene	<0.00900		0.333	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,6-Dinitrotoluene	<0.0310		0.333	0.0310	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Di-n-octyl phthalate	<0.0130		0.333	0.0130	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Fluoranthene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Fluorene	<0.0120		0.0670	0.0120	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Hexachlorobenzene	<0.0290		0.333	0.0290	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Hexachlorobutadiene	<0.0700		0.333	0.0700	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Hexachlorocyclopentadiene	<0.0160		0.333	0.0160	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Hexachloroethane	<0.0200		0.333	0.0200	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Indeno[1,2,3-cd]pyrene	<0.0100		0.0670	0.0100	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Isophorone	<0.0590		0.333	0.0590	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2-Methylnaphthalene	<0.0160		0.0670	0.0160	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2-Methylphenol	<0.0930		0.333	0.0930	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
3 & 4 Methylphenol	<0.0200		0.333	0.0200	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Naphthalene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2-Nitroaniline	<0.0180		0.833	0.0180	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
3-Nitroaniline	<0.148		0.833	0.148	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4-Nitroaniline	<0.0300		0.833	0.0300	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Nitrobenzene	<0.0170		0.333	0.0170	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2-Nitrophenol	<0.0130		0.333	0.0130	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
4-Nitrophenol	<0.0150		0.333	0.0150	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
N-Nitrosodi-n-propylamine	<0.0210		0.333	0.0210	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		0.333	0.0160	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Pentachlorophenol	<0.125		0.833	0.125	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Phenanthrene	<0.00900		0.0670	0.00900	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Phenol	<0.0140		0.333	0.0140	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
Pyrene	<0.0120		0.0670	0.0120	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	0.258	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,3,4,6-Tetrachlorophenol	<0.169		0.333	0.169	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,4,5-Trichlorophenol	<0.0170		0.833	0.0170	mg/Kg		10/16/13 08:57	10/17/13 20:31	1
2,4,6-Trichlorophenol	<0.0250		0.333	0.0250	mg/Kg		10/16/13 08:57	10/17/13 20:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		29 - 120	10/16/13 08:57	10/17/13 20:31	1
2-Fluorophenol (Surr)	66		10 - 120	10/16/13 08:57	10/17/13 20:31	1
Nitrobenzene-d5 (Surr)	70		27 - 120	10/16/13 08:57	10/17/13 20:31	1
Phenol-d5 (Surr)	76		10 - 120	10/16/13 08:57	10/17/13 20:31	1
Terphenyl-d14 (Surr)	79		13 - 120	10/16/13 08:57	10/17/13 20:31	1
2,4,6-Tribromophenol (Surr)	65		10 - 120	10/16/13 08:57	10/17/13 20:31	1

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114675/2-A**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.150		mg/Kg		69	36 - 120
Acenaphthylene	1.67	1.155		mg/Kg		69	38 - 120
Acetophenone	1.67	1.168		mg/Kg		70	30 - 120
Anthracene	1.67	1.172		mg/Kg		70	46 - 124
Atrazine	1.67	1.335		mg/Kg		80	41 - 120
Benzaldehyde	1.67	0.5146	J	mg/Kg		31	10 - 150
Benzo[a]anthracene	1.67	1.207		mg/Kg		72	45 - 120
Benzo[a]pyrene	1.67	1.186		mg/Kg		71	45 - 120
Benzo[b]fluoranthene	1.67	1.183		mg/Kg		71	42 - 120
Benzo[g,h,i]perylene	1.67	1.211		mg/Kg		73	38 - 120
Benzo[k]fluoranthene	1.67	1.184		mg/Kg		71	42 - 120
Biphenyl	1.67	1.165		mg/Kg		70	15 - 120
Bis(2-chloroethoxy)methane	1.67	1.169		mg/Kg		70	32 - 120
Bis(2-chloroethyl)ether	1.67	1.166		mg/Kg		70	31 - 120
bis (2-chloroisopropyl) ether	1.67	0.9993		mg/Kg		60	32 - 120
Bis(2-ethylhexyl) phthalate	1.67	1.171		mg/Kg		70	43 - 120
4-Bromophenyl phenyl ether	1.67	1.216		mg/Kg		73	40 - 120
Butyl benzyl phthalate	1.67	1.221		mg/Kg		73	43 - 133
Caprolactam	1.67	1.319		mg/Kg		79	18 - 138
Carbazole	1.67	1.193		mg/Kg		72	44 - 120
4-Chloroaniline	1.67	1.269		mg/Kg		76	35 - 120
4-Chloro-3-methylphenol	1.67	1.263		mg/Kg		76	38 - 120
2-Chloronaphthalene	1.67	1.105		mg/Kg		66	34 - 120
2-Chlorophenol	1.67	1.157		mg/Kg		69	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.160		mg/Kg		70	42 - 120
Chrysene	1.67	1.251		mg/Kg		75	43 - 120
Dibenz(a,h)anthracene	1.67	1.221		mg/Kg		73	32 - 128
Dibenzofuran	1.67	1.126		mg/Kg		68	41 - 120
3,3'-Dichlorobenzidine	1.67	1.042		mg/Kg		63	39 - 120
2,4-Dichlorophenol	1.67	1.217		mg/Kg		73	32 - 120
Diethyl phthalate	1.67	1.147		mg/Kg		69	41 - 122
2,4-Dimethylphenol	1.67	1.133		mg/Kg		68	32 - 120
Dimethyl phthalate	1.67	1.153	J	mg/Kg		69	55 - 120
Di-n-butyl phthalate	1.67	1.163		mg/Kg		70	46 - 127
4,6-Dinitro-2-methylphenol	3.33	2.697		mg/Kg		81	27 - 134
2,4-Dinitrophenol	3.33	2.354		mg/Kg		71	23 - 142
2,4-Dinitrotoluene	1.67	1.291		mg/Kg		77	43 - 120
2,6-Dinitrotoluene	1.67	1.327		mg/Kg		80	43 - 120
Di-n-octyl phthalate	1.67	1.177		mg/Kg		71	40 - 130
Fluoranthene	1.67	1.221		mg/Kg		73	46 - 120
Fluorene	1.67	1.183		mg/Kg		71	42 - 120
Hexachlorobenzene	1.67	1.218		mg/Kg		73	44 - 120
Hexachlorobutadiene	1.67	1.064		mg/Kg		64	31 - 120
Hexachlorocyclopentadiene	1.67	0.8169		mg/Kg		49	24 - 120
Hexachloroethane	1.67	0.9937		mg/Kg		60	33 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.185		mg/Kg		71	41 - 121
Isophorone	1.67	1.272		mg/Kg		76	33 - 120
2-Methylnaphthalene	1.67	1.151		mg/Kg		69	28 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114675/2-A**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	1.67	1.311		mg/Kg		79	36 - 120
3 & 4 Methylphenol	1.67	1.309		mg/Kg		79	37 - 120
Naphthalene	1.67	1.125		mg/Kg		68	32 - 120
2-Nitroaniline	1.67	1.342		mg/Kg		80	40 - 120
3-Nitroaniline	1.67	1.302		mg/Kg		78	42 - 120
4-Nitroaniline	1.67	1.389		mg/Kg		83	43 - 120
Nitrobenzene	1.67	1.198		mg/Kg		72	26 - 120
2-Nitrophenol	1.67	1.281		mg/Kg		77	29 - 120
4-Nitrophenol	3.33	2.405		mg/Kg		72	32 - 136
N-Nitrosodi-n-propylamine	1.67	1.217		mg/Kg		73	35 - 120
n-Nitrosodiphenylamine(as diphenylamine)	1.67	1.140		mg/Kg		68	52 - 140
Pentachlorophenol	3.33	2.397		mg/Kg		72	44 - 134
Phenanthrene	1.67	1.156		mg/Kg		69	45 - 120
Phenol	1.67	1.154		mg/Kg		69	30 - 120
Pyrene	1.67	1.231		mg/Kg		74	43 - 120
1,2,4,5-Tetrachlorobenzene	1.67	1.176	J	mg/Kg		71	41 - 120
2,3,4,6-Tetrachlorophenol	1.67	1.275		mg/Kg		77	44 - 120
2,4,5-Trichlorophenol	1.67	1.164		mg/Kg		70	39 - 120
2,4,6-Trichlorophenol	1.67	1.219		mg/Kg		73	39 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	60		29 - 120
2-Fluorophenol (Surr)	61		10 - 120
Nitrobenzene-d5 (Surr)	67		27 - 120
Phenol-d5 (Surr)	69		10 - 120
Terphenyl-d14 (Surr)	74		13 - 120
2,4,6-Tribromophenol (Surr)	77		10 - 120

**Lab Sample ID: 490-37729-A-4-B MS**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0358	J	1.67	1.041		mg/Kg		60	19 - 120
Acenaphthylene	<0.00899		1.67	1.029		mg/Kg		62	25 - 120
Acetophenone	<0.0699		1.67	1.014		mg/Kg		61	10 - 200
Anthracene	0.547		1.67	1.465		mg/Kg		55	28 - 125
Atrazine	<0.167		1.67	1.146		mg/Kg		69	10 - 200
Benzaldehyde	<0.286		1.67	1.316	J	mg/Kg		79	10 - 200
Benzo[a]anthracene	1.49		1.67	2.356		mg/Kg		52	23 - 120
Benzo[a]pyrene	0.935		1.67	1.829		mg/Kg		54	15 - 128
Benzo[b]fluoranthene	2.20		1.67	2.913		mg/Kg		43	12 - 133
Benzo[g,h,i]perylene	0.568		1.67	1.538		mg/Kg		58	22 - 120
Benzo[k]fluoranthene	0.667		1.67	1.703		mg/Kg		62	28 - 120
Biphenyl	<0.104		1.67	1.014		mg/Kg		61	10 - 200
Bis(2-chloroethoxy)methane	<0.0120		1.67	0.9920		mg/Kg		60	24 - 120
Bis(2-chloroethyl)ether	<0.0200		1.67	0.9640		mg/Kg		58	22 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37729-A-4-B MS**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
bis (2-chloroisopropyl) ether	<0.134		1.67	0.6444		mg/Kg		39	20 - 120
Bis(2-ethylhexyl) phthalate	<0.0130		1.67	1.112		mg/Kg		67	26 - 120
4-Bromophenyl phenyl ether	<0.0170		1.67	1.010		mg/Kg		61	31 - 120
Butyl benzyl phthalate	<0.0160		1.67	1.140		mg/Kg		68	24 - 133
Caprolactam	<0.108		1.67	1.119		mg/Kg		67	10 - 199
Carbazole	0.302	J	1.67	1.344		mg/Kg		62	25 - 123
4-Chloroaniline	<0.166		1.67	1.150		mg/Kg		69	26 - 120
4-Chloro-3-methylphenol	<0.0160		1.67	1.243		mg/Kg		75	21 - 120
2-Chloronaphthalene	<0.0170		1.67	0.9529		mg/Kg		57	24 - 120
2-Chlorophenol	<0.0150		1.67	1.042		mg/Kg		63	25 - 120
4-Chlorophenyl phenyl ether	<0.0240		1.67	1.024		mg/Kg		61	26 - 120
Chrysene	2.29		1.67	2.972		mg/Kg		41	20 - 120
Dibenz(a,h)anthracene	0.191		1.67	1.203		mg/Kg		61	12 - 128
Dibenzofuran	0.0907	J	1.67	1.062		mg/Kg		58	21 - 120
3,3'-Dichlorobenzidine	<0.133		1.67	1.082		mg/Kg		65	10 - 120
2,4-Dichlorophenol	<0.0170		1.67	1.118		mg/Kg		67	17 - 120
Diethyl phthalate	<0.0140		1.67	0.9882		mg/Kg		59	29 - 122
2,4-Dimethylphenol	<0.192		1.67	1.016		mg/Kg		61	17 - 120
Dimethyl phthalate	<0.00799		1.67	1.016	J	mg/Kg		61	30 - 120
Di-n-butyl phthalate	<0.0130		1.67	0.9866		mg/Kg		59	29 - 126
4,6-Dinitro-2-methylphenol	<0.103		3.33	2.229		mg/Kg		67	10 - 134
2,4-Dinitrophenol	<0.110		3.33	1.580		mg/Kg		47	10 - 150
2,4-Dinitrotoluene	<0.00899		1.67	1.138		mg/Kg		68	24 - 121
2,6-Dinitrotoluene	<0.0310		1.67	1.177		mg/Kg		71	24 - 120
Di-n-octyl phthalate	<0.0130		1.67	1.229		mg/Kg		74	27 - 130
Fluoranthene	3.53	E	1.67	4.105	E	mg/Kg		34	10 - 143
Fluorene	0.277		1.67	1.293		mg/Kg		61	20 - 120
Hexachlorobenzene	<0.0290		1.67	1.023		mg/Kg		61	25 - 120
Hexachlorobutadiene	<0.0699		1.67	0.7873		mg/Kg		47	10 - 120
Hexachlorocyclopentadiene	<0.0160		1.67	0.5038		mg/Kg		30	10 - 120
Hexachloroethane	<0.0200		1.67	0.7893		mg/Kg		47	10 - 120
Indeno[1,2,3-cd]pyrene	0.459		1.67	1.414		mg/Kg		57	22 - 121
Isophorone	<0.0589		1.67	1.064		mg/Kg		64	24 - 120
2-Methylnaphthalene	<0.0160		1.67	0.9693		mg/Kg		58	13 - 120
2-Methylphenol	<0.0929		1.67	1.197		mg/Kg		72	23 - 120
3 & 4 Methylphenol	<0.0200		1.67	1.254		mg/Kg		75	19 - 120
Naphthalene	<0.00899		1.67	0.9384		mg/Kg		56	10 - 120
2-Nitroaniline	<0.0180		1.67	1.320		mg/Kg		79	31 - 120
3-Nitroaniline	<0.148		1.67	1.301		mg/Kg		78	31 - 120
4-Nitroaniline	<0.0300		1.67	1.382		mg/Kg		83	28 - 120
Nitrobenzene	<0.0170		1.67	1.038		mg/Kg		62	19 - 120
2-Nitrophenol	<0.0130		1.67	1.098		mg/Kg		66	23 - 120
4-Nitrophenol	<0.0150		3.33	2.505		mg/Kg		75	16 - 139
N-Nitrosodi-n-propylamine	<0.0210		1.67	1.054		mg/Kg		63	24 - 120
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		1.67	0.9593		mg/Kg		58	26 - 150
Pentachlorophenol	<0.125		3.33	2.129		mg/Kg		64	19 - 145
Phenanthrene	2.52		1.67	3.038		mg/Kg		31	21 - 122

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37729-A-4-B MS**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Phenol	<0.0140		1.67	1.103		mg/Kg		66	15 - 120
Pyrene	2.99		1.67	3.665	E	mg/Kg		41	20 - 123
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	1.000	J	mg/Kg		60	10 - 200
2,3,4,6-Tetrachlorophenol	<0.169		1.67	1.225		mg/Kg		74	10 - 200
2,4,5-Trichlorophenol	<0.0170		1.67	1.121		mg/Kg		67	27 - 120
2,4,6-Trichlorophenol	<0.0250		1.67	1.138		mg/Kg		68	24 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	46		29 - 120
2-Fluorophenol (Surr)	56		10 - 120
Nitrobenzene-d5 (Surr)	56		27 - 120
Phenol-d5 (Surr)	65		10 - 120
Terphenyl-d14 (Surr)	61		13 - 120
2,4,6-Tribromophenol (Surr)	67		10 - 120

**Lab Sample ID: 490-37729-A-4-C MSD**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier					RPD	Limit
Acenaphthene	0.0358	J	1.63	0.9880		mg/Kg		58	19 - 120	5	50
Acenaphthylene	<0.00899		1.63	0.9851		mg/Kg		60	25 - 120	4	50
Acetophenone	<0.0699		1.63	0.9460		mg/Kg		58	10 - 200	7	50
Anthracene	0.547		1.63	1.491		mg/Kg		58	28 - 125	2	49
Atrazine	<0.167		1.63	1.118		mg/Kg		69	10 - 200	2	50
Benzaldehyde	<0.286		1.63	1.337	J	mg/Kg		82	10 - 200	2	50
Benzo[a]anthracene	1.49		1.63	2.591		mg/Kg		68	23 - 120	9	50
Benzo[a]pyrene	0.935		1.63	1.975		mg/Kg		64	15 - 128	8	50
Benzo[b]fluoranthene	2.20		1.63	3.179		mg/Kg		60	12 - 133	9	50
Benzo[g,h,i]perylene	0.568		1.63	1.617		mg/Kg		64	22 - 120	5	50
Benzo[k]fluoranthene	0.667		1.63	1.843		mg/Kg		72	28 - 120	8	45
Biphenyl	<0.104		1.63	0.9464		mg/Kg		58	10 - 200	7	50
Bis(2-chloroethoxy)methane	<0.0120		1.63	0.8979		mg/Kg		55	24 - 120	10	50
Bis(2-chloroethyl)ether	<0.0200		1.63	0.9386		mg/Kg		58	22 - 120	3	50
bis (2-chloroisopropyl) ether	<0.134		1.63	0.6184		mg/Kg		38	20 - 120	4	50
Bis(2-ethylhexyl) phthalate	<0.0130		1.63	1.116		mg/Kg		68	26 - 120	0	50
4-Bromophenyl phenyl ether	<0.0170		1.63	0.9812		mg/Kg		60	31 - 120	3	37
Butyl benzyl phthalate	<0.0160		1.63	1.107		mg/Kg		68	24 - 133	3	50
Caprolactam	<0.108		1.63	1.070		mg/Kg		66	10 - 199	4	50
Carbazole	0.302	J	1.63	1.330		mg/Kg		63	25 - 123	1	46
4-Chloroaniline	<0.166		1.63	1.070		mg/Kg		66	26 - 120	7	50
4-Chloro-3-methylphenol	<0.0160		1.63	1.140		mg/Kg		70	21 - 120	9	49
2-Chloronaphthalene	<0.0170		1.63	0.9029		mg/Kg		55	24 - 120	5	50
2-Chlorophenol	<0.0150		1.63	0.9945		mg/Kg		61	25 - 120	5	50
4-Chlorophenyl phenyl ether	<0.0240		1.63	0.9725		mg/Kg		60	26 - 120	5	50
Chrysene	2.29		1.63	3.340	E	mg/Kg		65	20 - 120	12	49
Dibenz(a,h)anthracene	0.191		1.63	1.200		mg/Kg		62	12 - 128	0	50
Dibenzofuran	0.0907	J	1.63	1.036		mg/Kg		58	21 - 120	3	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-37729-A-4-C MSD**

**Matrix: Solid**

**Analysis Batch: 115140**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114675**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
3,3'-Dichlorobenzidine	<0.133		1.63	1.067		mg/Kg		65	10 - 120	1	50
2,4-Dichlorophenol	<0.0170		1.63	1.027		mg/Kg		63	17 - 120	8	50
Diethyl phthalate	<0.0140		1.63	0.9526		mg/Kg		58	29 - 122	4	45
2,4-Dimethylphenol	<0.192		1.63	0.9938		mg/Kg		61	17 - 120	2	50
Dimethyl phthalate	<0.00799		1.63	0.9587	J	mg/Kg		59	30 - 120	6	46
Di-n-butyl phthalate	<0.0130		1.63	0.9661		mg/Kg		59	29 - 126	2	49
4,6-Dinitro-2-methylphenol	<0.103		3.26	2.174		mg/Kg		67	10 - 134	2	50
2,4-Dinitrophenol	<0.110		3.26	1.589		mg/Kg		49	10 - 150	1	50
2,4-Dinitrotoluene	<0.00899		1.63	1.122		mg/Kg		69	24 - 121	1	50
2,6-Dinitrotoluene	<0.0310		1.63	1.129		mg/Kg		69	24 - 120	4	50
Di-n-octyl phthalate	<0.0130		1.63	1.207		mg/Kg		74	27 - 130	2	50
Fluoranthene	3.53	E	1.63	4.451	E	mg/Kg		56	10 - 143	8	50
Fluorene	0.277		1.63	1.272		mg/Kg		61	20 - 120	2	50
Hexachlorobenzene	<0.0290		1.63	0.9933		mg/Kg		61	25 - 120	3	50
Hexachlorobutadiene	<0.0699		1.63	0.7717		mg/Kg		47	10 - 120	2	50
Hexachlorocyclopentadiene	<0.0160		1.63	0.4749		mg/Kg		29	10 - 120	6	50
Hexachloroethane	<0.0200		1.63	0.7931		mg/Kg		49	10 - 120	0	50
Indeno[1,2,3-cd]pyrene	0.459		1.63	1.481		mg/Kg		63	22 - 121	5	50
Isophorone	<0.0589		1.63	0.9708		mg/Kg		60	24 - 120	9	50
2-Methylnaphthalene	<0.0160		1.63	0.8935		mg/Kg		55	13 - 120	8	50
2-Methylphenol	<0.0929		1.63	1.138		mg/Kg		70	23 - 120	5	50
3 & 4 Methylphenol	<0.0200		1.63	1.188		mg/Kg		73	19 - 120	5	50
Naphthalene	<0.00899		1.63	0.8810		mg/Kg		54	10 - 120	6	50
2-Nitroaniline	<0.0180		1.63	1.252		mg/Kg		77	31 - 120	5	50
3-Nitroaniline	<0.148		1.63	1.244		mg/Kg		76	31 - 120	4	49
4-Nitroaniline	<0.0300		1.63	1.350		mg/Kg		83	28 - 120	2	49
Nitrobenzene	<0.0170		1.63	0.9681		mg/Kg		59	19 - 120	7	50
2-Nitrophenol	<0.0130		1.63	1.008		mg/Kg		62	23 - 120	8	50
4-Nitrophenol	<0.0150		3.26	2.417		mg/Kg		74	16 - 139	4	45
N-Nitrosodi-n-propylamine	<0.0210		1.63	0.9860		mg/Kg		60	24 - 120	7	50
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		1.63	0.9255		mg/Kg		57	26 - 150	4	50
Pentachlorophenol	<0.125		3.26	2.073		mg/Kg		64	19 - 145	3	50
Phenanthrene	2.52		1.63	3.245		mg/Kg		44	21 - 122	7	50
Phenol	<0.0140		1.63	1.064		mg/Kg		65	15 - 120	4	50
Pyrene	2.99		1.63	4.033	E	mg/Kg		64	20 - 123	10	50
1,2,4,5-Tetrachlorobenzene	<0.258		1.63	0.9407	J	mg/Kg		58	10 - 200	6	50
2,3,4,6-Tetrachlorophenol	<0.169		1.63	1.185		mg/Kg		73	10 - 200	3	50
2,4,5-Trichlorophenol	<0.0170		1.63	1.063		mg/Kg		65	27 - 120	5	50
2,4,6-Trichlorophenol	<0.0250		1.63	1.057		mg/Kg		65	24 - 122	7	50

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	43		29 - 120
2-Fluorophenol (Surr)	57		10 - 120
Nitrobenzene-d5 (Surr)	54		27 - 120
Phenol-d5 (Surr)	65		10 - 120
Terphenyl-d14 (Surr)	58		13 - 120
2,4,6-Tribromophenol (Surr)	66		10 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114792/1-A**

**Matrix: Water**

**Analysis Batch: 115014**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114792**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.366		2.00	0.366	ug/L		10/16/13 12:23	10/17/13 16:42	1
Acenaphthylene	<0.330		2.00	0.330	ug/L		10/16/13 12:23	10/17/13 16:42	1
Acetophenone	<1.90		10.0	1.90	ug/L		10/16/13 12:23	10/17/13 16:42	1
Anthracene	<0.883		2.00	0.883	ug/L		10/16/13 12:23	10/17/13 16:42	1
Atrazine	<3.70		10.0	3.70	ug/L		10/16/13 12:23	10/17/13 16:42	1
Benzaldehyde	<2.15		10.0	2.15	ug/L		10/16/13 12:23	10/17/13 16:42	1
Benzo[a]anthracene	<0.324		2.00	0.324	ug/L		10/16/13 12:23	10/17/13 16:42	1
Benzo[a]pyrene	<0.330		2.00	0.330	ug/L		10/16/13 12:23	10/17/13 16:42	1
Benzo[b]fluoranthene	<0.422		2.00	0.422	ug/L		10/16/13 12:23	10/17/13 16:42	1
Benzo[g,h,i]perylene	<0.287		2.00	0.287	ug/L		10/16/13 12:23	10/17/13 16:42	1
Benzo[k]fluoranthene	<0.364		2.00	0.364	ug/L		10/16/13 12:23	10/17/13 16:42	1
Biphenyl	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
Bis(2-chloroethoxy)methane	<1.36		10.0	1.36	ug/L		10/16/13 12:23	10/17/13 16:42	1
Bis(2-chloroethyl)ether	<1.39		10.0	1.39	ug/L		10/16/13 12:23	10/17/13 16:42	1
bis (2-chloroisopropyl) ether	<1.96		10.0	1.96	ug/L		10/16/13 12:23	10/17/13 16:42	1
Bis(2-ethylhexyl) phthalate	<2.06		10.0	2.06	ug/L		10/16/13 12:23	10/17/13 16:42	1
4-Bromophenyl phenyl ether	<1.37		10.0	1.37	ug/L		10/16/13 12:23	10/17/13 16:42	1
Butyl benzyl phthalate	<1.74		10.0	1.74	ug/L		10/16/13 12:23	10/17/13 16:42	1
Caprolactam	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
Carbazole	<0.299		10.0	0.299	ug/L		10/16/13 12:23	10/17/13 16:42	1
4-Chloroaniline	<1.17		10.0	1.17	ug/L		10/16/13 12:23	10/17/13 16:42	1
4-Chloro-3-methylphenol	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
2-Chloronaphthalene	<1.64		10.0	1.64	ug/L		10/16/13 12:23	10/17/13 16:42	1
2-Chlorophenol	<1.59		10.0	1.59	ug/L		10/16/13 12:23	10/17/13 16:42	1
4-Chlorophenyl phenyl ether	<1.75		10.0	1.75	ug/L		10/16/13 12:23	10/17/13 16:42	1
Chrysene	<1.09		2.00	1.09	ug/L		10/16/13 12:23	10/17/13 16:42	1
Dibenz(a,h)anthracene	<0.644		2.00	0.644	ug/L		10/16/13 12:23	10/17/13 16:42	1
Dibenzofuran	<0.339		10.0	0.339	ug/L		10/16/13 12:23	10/17/13 16:42	1
3,3'-Dichlorobenzidine	<1.52		10.0	1.52	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,4-Dichlorophenol	<1.02		10.0	1.02	ug/L		10/16/13 12:23	10/17/13 16:42	1
Diethyl phthalate	<1.62		10.0	1.62	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,4-Dimethylphenol	<0.996		10.0	0.996	ug/L		10/16/13 12:23	10/17/13 16:42	1
Dimethyl phthalate	<1.81		10.0	1.81	ug/L		10/16/13 12:23	10/17/13 16:42	1
Di-n-butyl phthalate	<1.50		10.0	1.50	ug/L		10/16/13 12:23	10/17/13 16:42	1
4,6-Dinitro-2-methylphenol	<2.07		25.0	2.07	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,4-Dinitrophenol	<2.46		25.0	2.46	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,4-Dinitrotoluene	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,6-Dinitrotoluene	<1.94		10.0	1.94	ug/L		10/16/13 12:23	10/17/13 16:42	1
Di-n-octyl phthalate	<2.31		10.0	2.31	ug/L		10/16/13 12:23	10/17/13 16:42	1
Fluoranthene	<0.347		2.00	0.347	ug/L		10/16/13 12:23	10/17/13 16:42	1
Fluorene	<0.316		2.00	0.316	ug/L		10/16/13 12:23	10/17/13 16:42	1
Hexachlorobenzene	<1.69		10.0	1.69	ug/L		10/16/13 12:23	10/17/13 16:42	1
Hexachlorobutadiene	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
Hexachlorocyclopentadiene	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
Hexachloroethane	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
Indeno[1,2,3-cd]pyrene	<0.381		2.00	0.381	ug/L		10/16/13 12:23	10/17/13 16:42	1
Isophorone	<1.24		10.0	1.24	ug/L		10/16/13 12:23	10/17/13 16:42	1
2-Methylnaphthalene	<0.311		2.00	0.311	ug/L		10/16/13 12:23	10/17/13 16:42	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-114792/1-A**

**Matrix: Water**

**Analysis Batch: 115014**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114792**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Methylphenol	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
3 & 4 Methylphenol	<3.33		10.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
Naphthalene	<0.398		2.00	0.398	ug/L		10/16/13 12:23	10/17/13 16:42	1
2-Nitroaniline	<1.04		25.0	1.04	ug/L		10/16/13 12:23	10/17/13 16:42	1
3-Nitroaniline	<1.85		25.0	1.85	ug/L		10/16/13 12:23	10/17/13 16:42	1
4-Nitroaniline	<2.39		25.0	2.39	ug/L		10/16/13 12:23	10/17/13 16:42	1
Nitrobenzene	<1.24		10.0	1.24	ug/L		10/16/13 12:23	10/17/13 16:42	1
2-Nitrophenol	<1.57		10.0	1.57	ug/L		10/16/13 12:23	10/17/13 16:42	1
4-Nitrophenol	<3.33		25.0	3.33	ug/L		10/16/13 12:23	10/17/13 16:42	1
N-Nitrosodi-n-propylamine	<1.42		10.0	1.42	ug/L		10/16/13 12:23	10/17/13 16:42	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.44		10.0	1.44	ug/L		10/16/13 12:23	10/17/13 16:42	1
Pentachlorophenol	<1.65		25.0	1.65	ug/L		10/16/13 12:23	10/17/13 16:42	1
Phenanthrene	<0.343		2.00	0.343	ug/L		10/16/13 12:23	10/17/13 16:42	1
Phenol	<3.45		10.0	3.45	ug/L		10/16/13 12:23	10/17/13 16:42	1
Pyrene	<0.331		2.00	0.331	ug/L		10/16/13 12:23	10/17/13 16:42	1
1,2,4,5-Tetrachlorobenzene	<4.04		10.0	4.04	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,3,4,6-Tetrachlorophenol	<3.63		10.0	3.63	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,4,5-Trichlorophenol	<2.03		25.0	2.03	ug/L		10/16/13 12:23	10/17/13 16:42	1
2,4,6-Trichlorophenol	<1.76		10.0	1.76	ug/L		10/16/13 12:23	10/17/13 16:42	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	58		29 - 120	10/16/13 12:23	10/17/13 16:42	1
2-Fluorophenol (Surr)	42		10 - 120	10/16/13 12:23	10/17/13 16:42	1
Nitrobenzene-d5 (Surr)	70		27 - 120	10/16/13 12:23	10/17/13 16:42	1
Phenol-d5 (Surr)	28		10 - 120	10/16/13 12:23	10/17/13 16:42	1
Terphenyl-d14 (Surr)	92		13 - 120	10/16/13 12:23	10/17/13 16:42	1
2,4,6-Tribromophenol (Surr)	78		10 - 120	10/16/13 12:23	10/17/13 16:42	1

**Lab Sample ID: LCS 490-114792/2-A**

**Matrix: Water**

**Analysis Batch: 115014**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114792**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Acenaphthene	50.0	37.49		ug/L		75	46 - 120
Acenaphthylene	50.0	36.27		ug/L		73	48 - 120
Acetophenone	50.0	39.93		ug/L		80	52 - 133
Anthracene	50.0	42.59		ug/L		85	58 - 130
Atrazine	50.0	156.5	E *	ug/L		313	24 - 133
Benzaldehyde	50.0	54.02		ug/L		108	34 - 120
Benzo[a]anthracene	50.0	40.81		ug/L		82	57 - 120
Benzo[a]pyrene	50.0	41.60		ug/L		83	57 - 124
Benzo[b]fluoranthene	50.0	42.95		ug/L		86	51 - 125
Benzo[g,h,i]perylene	50.0	37.28		ug/L		75	51 - 123
Benzo[k]fluoranthene	50.0	40.87		ug/L		82	51 - 120
Biphenyl	50.0	34.72		ug/L		69	10 - 146
Bis(2-chloroethoxy)methane	50.0	36.79		ug/L		74	44 - 120
Bis(2-chloroethyl)ether	50.0	37.66		ug/L		75	47 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114792/2-A**

**Matrix: Water**

**Analysis Batch: 115014**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114792**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
bis (2-chloroisopropyl) ether	50.0	32.41		ug/L		65	44 - 120
Bis(2-ethylhexyl) phthalate	50.0	39.30		ug/L		79	47 - 138
4-Bromophenyl phenyl ether	50.0	38.48		ug/L		77	47 - 127
Butyl benzyl phthalate	50.0	39.17		ug/L		78	51 - 146
Caprolactam	50.0	12.07		ug/L		24	10 - 120
Carbazole	50.0	42.91		ug/L		86	54 - 123
4-Chloroaniline	50.0	43.54		ug/L		87	44 - 120
4-Chloro-3-methylphenol	50.0	40.42		ug/L		81	44 - 120
2-Chloronaphthalene	50.0	31.93		ug/L		64	39 - 120
2-Chlorophenol	50.0	37.43		ug/L		75	40 - 120
4-Chlorophenyl phenyl ether	50.0	39.87		ug/L		80	50 - 120
Chrysene	50.0	41.25		ug/L		83	55 - 120
Dibenz(a,h)anthracene	50.0	38.86		ug/L		78	50 - 125
Dibenzofuran	50.0	38.29		ug/L		77	50 - 120
3,3'-Dichlorobenzidine	50.0	43.04		ug/L		86	46 - 129
2,4-Dichlorophenol	50.0	38.95		ug/L		78	38 - 120
Diethyl phthalate	50.0	40.16		ug/L		80	54 - 128
2,4-Dimethylphenol	50.0	42.32		ug/L		85	21 - 126
Dimethyl phthalate	50.0	40.17		ug/L		80	53 - 127
Di-n-butyl phthalate	50.0	41.33		ug/L		83	54 - 140
4,6-Dinitro-2-methylphenol	100	66.26		ug/L		66	19 - 150
2,4-Dinitrophenol	100	57.57		ug/L		58	20 - 150
2,4-Dinitrotoluene	50.0	43.37		ug/L		87	46 - 132
2,6-Dinitrotoluene	50.0	38.10		ug/L		76	54 - 128
Di-n-octyl phthalate	50.0	42.65		ug/L		85	50 - 142
Fluoranthene	50.0	43.95		ug/L		88	56 - 120
Fluorene	50.0	40.30		ug/L		81	52 - 120
Hexachlorobenzene	50.0	38.54		ug/L		77	48 - 131
Hexachlorobutadiene	50.0	15.13		ug/L		30	28 - 120
Hexachlorocyclopentadiene	50.0	18.27		ug/L		37	17 - 120
Hexachloroethane	50.0	13.39	*	ug/L		27	30 - 120
Indeno[1,2,3-cd]pyrene	50.0	37.67		ug/L		75	54 - 125
Isophorone	50.0	41.99		ug/L		84	47 - 120
2-Methylnaphthalene	50.0	28.41		ug/L		57	31 - 120
2-Methylphenol	50.0	35.81		ug/L		72	38 - 120
3 & 4 Methylphenol	50.0	34.87		ug/L		70	33 - 120
Naphthalene	50.0	26.21		ug/L		52	37 - 120
2-Nitroaniline	50.0	45.95		ug/L		92	46 - 131
3-Nitroaniline	50.0	45.00		ug/L		90	54 - 121
4-Nitroaniline	50.0	47.01		ug/L		94	55 - 123
Nitrobenzene	50.0	38.41		ug/L		77	36 - 120
2-Nitrophenol	50.0	38.91		ug/L		78	32 - 120
4-Nitrophenol	100	35.35		ug/L		35	10 - 120
N-Nitrosodi-n-propylamine	50.0	40.70		ug/L		81	51 - 120
n-Nitrosodiphenylamine(as diphenylamine)	50.0	37.76		ug/L		76	58 - 149
Pentachlorophenol	100	102.8		ug/L		103	21 - 150
Phenanthrene	50.0	42.49		ug/L		85	56 - 120

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-114792/2-A**

**Matrix: Water**

**Analysis Batch: 115014**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114792**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Phenol	50.0	17.31		ug/L		35	14 - 120
Pyrene	50.0	38.49		ug/L		77	53 - 129
1,2,4,5-Tetrachlorobenzene	50.0	31.04		ug/L		62	25 - 120
2,3,4,6-Tetrachlorophenol	50.0	44.61		ug/L		89	31 - 148
2,4,5-Trichlorophenol	50.0	41.65		ug/L		83	40 - 129
2,4,6-Trichlorophenol	50.0	40.87		ug/L		82	39 - 135

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	70		29 - 120
2-Fluorophenol (Surr)	42		10 - 120
Nitrobenzene-d5 (Surr)	73		27 - 120
Phenol-d5 (Surr)	29		10 - 120
Terphenyl-d14 (Surr)	79		13 - 120
2,4,6-Tribromophenol (Surr)	78		10 - 120

## Method: 8081B - Organochlorine Pesticides (GC)

**Lab Sample ID: MB 490-114328/1-A**

**Matrix: Solid**

**Analysis Batch: 114696**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114328**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	<0.000310		0.00170	0.000310	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
alpha-BHC	<0.000200		0.00170	0.000200	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
beta-BHC	<0.00200		0.00330	0.00200	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
delta-BHC	<0.000380		0.00170	0.000380	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
gamma-BHC (Lindane)	<0.000390		0.00170	0.000390	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
alpha-Chlordane	<0.000430		0.00170	0.000430	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
gamma-Chlordane	<0.000790		0.00170	0.000790	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Chlordane (technical)	<0.0363		0.0667	0.0363	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
4,4'-DDD	<0.000430		0.00170	0.000430	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
4,4'-DDE	<0.000500		0.00170	0.000500	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
4,4'-DDT	<0.000850		0.00170	0.000850	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Dieldrin	<0.000400		0.00170	0.000400	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Endosulfan I	<0.000470		0.00170	0.000470	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Endosulfan II	<0.000550		0.00170	0.000550	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Endosulfan sulfate	<0.000500		0.00170	0.000500	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Endrin	<0.000430		0.00170	0.000430	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Endrin aldehyde	<0.000510		0.00170	0.000510	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Endrin ketone	<0.000590		0.00170	0.000590	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Heptachlor	<0.000420		0.00170	0.000420	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Heptachlor epoxide	<0.000650		0.00170	0.000650	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Methoxychlor	<0.000490		0.00330	0.000490	mg/Kg		10/15/13 08:42	10/16/13 14:40	1
Toxaphene	<0.0422		0.0667	0.0422	mg/Kg		10/15/13 08:42	10/16/13 14:40	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	78		21 - 145	10/15/13 08:42	10/16/13 14:40	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: MB 490-114328/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114696**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114328**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	84		25 - 150	10/15/13 08:42	10/16/13 14:40	1

**Lab Sample ID: LCS 490-114328/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114696**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114328**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Chlordane (technical)	0.167	0.1248		mg/Kg		75	50 - 150
Toxaphene	0.333	0.1642		mg/Kg		49	10 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	76		21 - 145
DCB Decachlorobiphenyl (Surr)	81	p	25 - 150

**Lab Sample ID: LCS 490-114328/3-A**  
**Matrix: Solid**  
**Analysis Batch: 114696**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114328**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Aldrin	0.0167	0.01523		mg/Kg		91	47 - 132
alpha-BHC	0.0167	0.01495		mg/Kg		90	45 - 128
beta-BHC	0.0167	0.01397		mg/Kg		84	48 - 135
delta-BHC	0.0167	0.01405		mg/Kg		84	10 - 149
gamma-BHC (Lindane)	0.0167	0.01437		mg/Kg		86	48 - 131
alpha-Chlordane	0.0167	0.01593		mg/Kg		96	47 - 134
gamma-Chlordane	0.0167	0.01600		mg/Kg		96	48 - 145
4,4'-DDD	0.0167	0.01550		mg/Kg		93	46 - 149
4,4'-DDE	0.0167	0.01493		mg/Kg		90	48 - 139
4,4'-DDT	0.0167	0.009251		mg/Kg		56	24 - 150
Dieldrin	0.0167	0.01538		mg/Kg		92	42 - 137
Endosulfan I	0.0167	0.01516		mg/Kg		91	10 - 150
Endosulfan II	0.0167	0.01493		mg/Kg		90	12 - 150
Endosulfan sulfate	0.0167	0.01427		mg/Kg		86	36 - 148
Endrin	0.0167	0.01325		mg/Kg		80	46 - 145
Endrin aldehyde	0.0167	0.01355		mg/Kg		81	48 - 150
Endrin ketone	0.0167	0.01391		mg/Kg		83	43 - 150
Heptachlor	0.0167	0.01310		mg/Kg		79	45 - 140
Heptachlor epoxide	0.0167	0.01529		mg/Kg		92	47 - 133
Methoxychlor	0.0167	0.009566		mg/Kg		57	23 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	85		21 - 145
DCB Decachlorobiphenyl (Surr)	89		25 - 150



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 490-37637-H-1-C MSD**

**Matrix: Solid**

**Analysis Batch: 114696**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114328**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Heptachlor epoxide	<0.000754		0.0195	0.006244	F	mg/Kg	✘	32	15 - 139	58	50	
Methoxychlor	<0.000569		0.0195	0.003310	J F	mg/Kg	✘	17	10 - 175	70	50	
<b>MSD MSD</b>												
Surrogate	%Recovery	Qualifier	Limits									
Tetrachloro-m-xylene	33		21 - 145									
DCB Decachlorobiphenyl (Surr)	35		25 - 150									

**Lab Sample ID: MB 490-114718/1-A**

**Matrix: Water**

**Analysis Batch: 115150**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 114718**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
Aldrin	<0.00590		0.0250	0.00590	ug/L		10/16/13 09:58	10/17/13 18:52	1	
alpha-BHC	<0.0111		0.0250	0.0111	ug/L		10/16/13 09:58	10/17/13 18:52	1	
beta-BHC	<0.00700		0.0250	0.00700	ug/L		10/16/13 09:58	10/17/13 18:52	1	
delta-BHC	<0.00770		0.0250	0.00770	ug/L		10/16/13 09:58	10/17/13 18:52	1	
gamma-BHC (Lindane)	<0.00570		0.0250	0.00570	ug/L		10/16/13 09:58	10/17/13 18:52	1	
alpha-Chlordane	<0.00530		0.0250	0.00530	ug/L		10/16/13 09:58	10/17/13 18:52	1	
gamma-Chlordane	<0.0180		0.0250	0.0180	ug/L		10/16/13 09:58	10/17/13 18:52	1	
Chlordane (technical)	<0.183		2.00	0.183	ug/L		10/16/13 09:58	10/17/13 18:52	1	
4,4'-DDD	<0.00770		0.0250	0.00770	ug/L		10/16/13 09:58	10/17/13 18:52	1	
4,4'-DDE	<0.00990		0.0250	0.00990	ug/L		10/16/13 09:58	10/17/13 18:52	1	
4,4'-DDT	<0.00890		0.0250	0.00890	ug/L		10/16/13 09:58	10/17/13 18:52	1	
Dieldrin	<0.00570		0.0250	0.00570	ug/L		10/16/13 09:58	10/17/13 18:52	1	
Endosulfan I	<0.00780		0.0250	0.00780	ug/L		10/16/13 09:58	10/17/13 18:52	1	
Endosulfan II	<0.00540		0.0250	0.00540	ug/L		10/16/13 09:58	10/17/13 18:52	1	
Endosulfan sulfate	<0.00650		0.0250	0.00650	ug/L		10/16/13 09:58	10/17/13 18:52	1	
Endrin	<0.00660		0.0250	0.00660	ug/L		10/16/13 09:58	10/17/13 18:52	1	
Endrin aldehyde	<0.00870		0.0250	0.00870	ug/L		10/16/13 09:58	10/17/13 18:52	1	
Endrin ketone	<0.00650		0.0250	0.00650	ug/L		10/16/13 09:58	10/17/13 18:52	1	
Heptachlor	<0.00570		0.0250	0.00570	ug/L		10/16/13 09:58	10/17/13 18:52	1	
Heptachlor epoxide	<0.00700		0.0250	0.00700	ug/L		10/16/13 09:58	10/17/13 18:52	1	
Methoxychlor	<0.00530		0.0250	0.00530	ug/L		10/16/13 09:58	10/17/13 18:52	1	
Toxaphene	<0.0413		2.00	0.0413	ug/L		10/16/13 09:58	10/17/13 18:52	1	
<b>MB MB</b>										
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Tetrachloro-m-xylene	86		38 - 150	10/16/13 09:58	10/17/13 18:52	1				
DCB Decachlorobiphenyl (Surr)	108		10 - 141	10/16/13 09:58	10/17/13 18:52	1				

**Lab Sample ID: LCS 490-114718/2-A**

**Matrix: Water**

**Analysis Batch: 115150**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 114718**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	RPD
Aldrin	0.500	0.4345		ug/L		87	38 - 128	
alpha-BHC	0.500	0.4837		ug/L		97	47 - 136	
beta-BHC	0.500	0.4387		ug/L		88	50 - 140	
delta-BHC	0.500	0.4572		ug/L		91	35 - 145	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID:** LCS 490-114718/2-A  
**Matrix:** Water  
**Analysis Batch:** 115150

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 114718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
gamma-BHC (Lindane)	0.500	0.4725		ug/L		94	50 - 138	
alpha-Chlordane	0.500	0.4908		ug/L		98	49 - 137	
gamma-Chlordane	0.500	0.5007		ug/L		100	46 - 143	
4,4'-DDD	0.500	0.5075		ug/L		101	51 - 150	
4,4'-DDE	0.500	0.4755		ug/L		95	49 - 138	
4,4'-DDT	0.500	0.4370		ug/L		87	33 - 150	
Dieldrin	0.500	0.5020		ug/L		100	49 - 136	
Endosulfan I	0.500	0.4900		ug/L		98	10 - 150	
Endosulfan II	0.500	0.5106		ug/L		102	11 - 150	
Endosulfan sulfate	0.500	0.5187		ug/L		104	43 - 150	
Endrin	0.500	0.5497		ug/L		110	54 - 150	
Endrin aldehyde	0.500	0.4785		ug/L		96	50 - 150	
Endrin ketone	0.500	0.5012		ug/L		100	50 - 147	
Heptachlor	0.500	0.4169		ug/L		83	43 - 146	
Heptachlor epoxide	0.500	0.4926		ug/L		99	50 - 136	
Methoxychlor	0.500	0.5337		ug/L		107	35 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	89		38 - 150
DCB Decachlorobiphenyl (Surr)	105		10 - 141

**Lab Sample ID:** LCS 490-114718/3-A  
**Matrix:** Water  
**Analysis Batch:** 115150

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 114718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Chlordane (technical)	5.00	3.848		ug/L		77	49 - 150	
Toxaphene	10.0	7.601		ug/L		76	34 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	90		38 - 150
DCB Decachlorobiphenyl (Surr)	89	p	10 - 141

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID:** MB 490-114487/1-A  
**Matrix:** Solid  
**Analysis Batch:** 114829

**Client Sample ID:** Method Blank  
**Prep Type:** Total/NA  
**Prep Batch:** 114487

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0100		0.0333	0.0100	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1221	<0.0100		0.0333	0.0100	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1232	<0.0200		0.0333	0.0200	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1242	<0.0100		0.0333	0.0100	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1248	<0.0100		0.0333	0.0100	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1254	<0.0100		0.0333	0.0100	mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1260	<0.0100		0.0333	0.0100	mg/Kg		10/15/13 12:56	10/16/13 15:41	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: MB 490-114487/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114829**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114487**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	75		20 - 150	10/15/13 12:56	10/16/13 15:41	1
Tetrachloro-m-xylene	94		19 - 147	10/15/13 12:56	10/16/13 15:41	1

**Lab Sample ID: LCS 490-114487/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114829**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114487**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
PCB-1248	0.167	0.1503		mg/Kg		90	45 - 149	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	82		20 - 150
Tetrachloro-m-xylene	83		19 - 147

**Lab Sample ID: 490-37275-F-8-D MS**  
**Matrix: Solid**  
**Analysis Batch: 114829**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 114487**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
PCB-1248	<0.0111		0.184	0.1498		mg/Kg	☼	81	11 - 158	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	79		20 - 150
Tetrachloro-m-xylene	75		19 - 147

**Lab Sample ID: 490-37275-F-8-E MSD**  
**Matrix: Solid**  
**Analysis Batch: 114829**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 114487**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
									Limits		RPD	Limit
PCB-1248	<0.0111		0.181	0.1535		mg/Kg	☼	85	11 - 158	2	50	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	76		20 - 150
Tetrachloro-m-xylene	73		19 - 147

**Lab Sample ID: MB 490-114715/1-A**  
**Matrix: Water**  
**Analysis Batch: 115053**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114715**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0490		0.500	0.0490	ug/L		10/16/13 09:50	10/17/13 13:06	1
PCB-1221	<0.260		0.500	0.260	ug/L		10/16/13 09:50	10/17/13 13:06	1
PCB-1232	<0.0700		0.500	0.0700	ug/L		10/16/13 09:50	10/17/13 13:06	1
PCB-1242	<0.0640		0.500	0.0640	ug/L		10/16/13 09:50	10/17/13 13:06	1
PCB-1248	<0.0690		0.500	0.0690	ug/L		10/16/13 09:50	10/17/13 13:06	1
PCB-1254	<0.00700		0.500	0.00700	ug/L		10/16/13 09:50	10/17/13 13:06	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: MB 490-114715/1-A**  
**Matrix: Water**  
**Analysis Batch: 115053**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114715**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	<0.0120		0.500	0.0120	ug/L		10/16/13 09:50	10/17/13 13:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	77		10 - 150	10/16/13 09:50	10/17/13 13:06	1
Tetrachloro-m-xylene	98		10 - 150	10/16/13 09:50	10/17/13 13:06	1

**Lab Sample ID: LCS 490-114715/2-A**  
**Matrix: Water**  
**Analysis Batch: 115053**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114715**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1248	5.00	4.317		ug/L		86	11 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	78		10 - 150
Tetrachloro-m-xylene	78		10 - 150

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 490-114861/1-A**  
**Matrix: Water**  
**Analysis Batch: 115271**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114861**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0680		0.100	0.0680	mg/L		10/16/13 14:45	10/17/13 22:06	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/16/13 14:45	10/17/13 22:06	1
Arsenic	0.005300	J	0.0100	0.00470	mg/L		10/16/13 14:45	10/17/13 22:06	1
Barium	<0.000500		0.0100	0.000500	mg/L		10/16/13 14:45	10/17/13 22:06	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/16/13 14:45	10/17/13 22:06	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/16/13 14:45	10/17/13 22:06	1
Calcium	<0.150		1.00	0.150	mg/L		10/16/13 14:45	10/17/13 22:06	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/16/13 14:45	10/17/13 22:06	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/16/13 14:45	10/17/13 22:06	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/16/13 14:45	10/17/13 22:06	1
Iron	0.01020	J	0.100	0.0100	mg/L		10/16/13 14:45	10/17/13 22:06	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/16/13 14:45	10/17/13 22:06	1
Magnesium	<0.0530		1.00	0.0530	mg/L		10/16/13 14:45	10/17/13 22:06	1
Manganese	<0.00200		0.0150	0.00200	mg/L		10/16/13 14:45	10/17/13 22:06	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/16/13 14:45	10/17/13 22:06	1
Potassium	0.3510	J	1.00	0.0880	mg/L		10/16/13 14:45	10/17/13 22:06	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/16/13 14:45	10/17/13 22:06	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/16/13 14:45	10/17/13 22:06	1
Thallium	<0.00450		0.0100	0.00450	mg/L		10/16/13 14:45	10/17/13 22:06	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/16/13 14:45	10/17/13 22:06	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/16/13 14:45	10/17/13 22:06	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-114861/1-A**  
**Matrix: Water**  
**Analysis Batch: 115415**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114861**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.360		1.00	0.360	mg/L		10/16/13 14:45	10/18/13 11:57	1

**Lab Sample ID: LCS 490-114861/2-A**  
**Matrix: Water**  
**Analysis Batch: 115271**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114861**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	2.064		mg/L		103	80 - 120
Antimony	0.100	0.1064		mg/L		106	80 - 120
Arsenic	0.0500	0.04770		mg/L		95	80 - 120
Barium	2.00	2.114		mg/L		106	80 - 120
Beryllium	0.0500	0.05310		mg/L		106	80 - 120
Cadmium	0.0500	0.05210		mg/L		104	80 - 120
Calcium	5.00	4.802		mg/L		96	80 - 120
Chromium	0.200	0.2047		mg/L		102	80 - 120
Cobalt	0.500	0.5203		mg/L		104	80 - 120
Copper	0.250	0.2493		mg/L		100	80 - 120
Iron	1.00	1.032		mg/L		103	80 - 120
Lead	0.0500	0.05460		mg/L		109	80 - 120
Magnesium	5.00	5.096		mg/L		102	80 - 120
Manganese	0.500	0.5332		mg/L		107	80 - 120
Nickel	0.500	0.5238		mg/L		105	80 - 120
Potassium	5.00	5.211		mg/L		104	80 - 120
Selenium	0.0500	0.04630		mg/L		93	80 - 120
Silver	0.0500	0.05090		mg/L		102	80 - 120
Thallium	0.0500	0.05090		mg/L		102	80 - 120
Vanadium	0.500	0.5037		mg/L		101	80 - 120
Zinc	0.500	0.5018		mg/L		100	80 - 120

**Lab Sample ID: LCS 490-114861/2-A**  
**Matrix: Water**  
**Analysis Batch: 115415**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114861**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	5.00	5.224		mg/L		104	80 - 120

**Lab Sample ID: 490-37638-E-13-B MS**  
**Matrix: Water**  
**Analysis Batch: 115271**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 114861**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	<0.0680		2.00	2.048		mg/L		102	75 - 125
Antimony	<0.00670		0.100	0.1014		mg/L		101	75 - 125
Arsenic	<0.00470		0.0500	0.05160		mg/L		103	75 - 125
Barium	0.0206		2.00	2.070		mg/L		102	75 - 125
Beryllium	<0.000300		0.0500	0.05400		mg/L		108	75 - 125
Cadmium	<0.000200		0.0500	0.05280		mg/L		106	75 - 125
Calcium	45.9		5.00	50.93	4	mg/L		101	75 - 125
Chromium	<0.00120		0.200	0.2097		mg/L		105	75 - 125

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-37638-E-13-B MS**

**Matrix: Water**

**Analysis Batch: 115271**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 114861**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Cobalt	<0.000900		0.500	0.5132		mg/L		103	75 - 125	
Copper	<0.00700		0.250	0.2538		mg/L		102	75 - 125	
Iron	0.114	B	1.00	1.131		mg/L		102	75 - 125	
Lead	<0.00350		0.0500	0.05430		mg/L		109	75 - 125	
Magnesium	4.79		5.00	9.766		mg/L		100	75 - 125	
Manganese	0.0423		0.500	0.5886		mg/L		109	75 - 125	
Nickel	<0.00130		0.500	0.5162		mg/L		103	75 - 125	
Potassium	1.66	B	5.00	6.728		mg/L		101	75 - 125	
Selenium	<0.00640		0.0500	0.04560		mg/L		91	75 - 125	
Silver	<0.00130		0.0500	0.05340		mg/L		107	75 - 125	
Sodium	6.51		5.00	10.92		mg/L		88	75 - 125	
Thallium	<0.00450		0.0500	0.04910		mg/L		98	75 - 125	
Vanadium	<0.0150		0.500	0.5230		mg/L		105	75 - 125	
Zinc	0.0149	J	0.500	0.5199		mg/L		101	75 - 125	

**Lab Sample ID: 490-37638-E-13-C MSD**

**Matrix: Water**

**Analysis Batch: 115271**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 114861**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aluminum	<0.0680		2.00	2.249		mg/L		112	75 - 125	9	20	
Antimony	<0.00670		0.100	0.1035		mg/L		104	75 - 125	2	20	
Arsenic	<0.00470		0.0500	0.04810		mg/L		96	75 - 125	7	20	
Barium	0.0206		2.00	2.083		mg/L		103	75 - 125	1	20	
Beryllium	<0.000300		0.0500	0.05660		mg/L		113	75 - 125	5	20	
Cadmium	<0.000200		0.0500	0.05000		mg/L		100	75 - 125	5	20	
Calcium	45.9		5.00	53.93	4	mg/L		161	75 - 125	6	20	
Chromium	<0.00120		0.200	0.1986		mg/L		99	75 - 125	5	20	
Cobalt	<0.000900		0.500	0.5106		mg/L		102	75 - 125	1	20	
Copper	<0.00700		0.250	0.2645		mg/L		106	75 - 125	4	20	
Iron	0.114	B	1.00	1.195		mg/L		108	75 - 125	6	20	
Lead	<0.00350		0.0500	0.05570		mg/L		111	75 - 125	3	20	
Magnesium	4.79		5.00	10.30		mg/L		110	75 - 125	5	20	
Manganese	0.0423		0.500	0.5600		mg/L		104	75 - 125	5	20	
Nickel	<0.00130		0.500	0.5143		mg/L		103	75 - 125	0	20	
Potassium	1.66	B	5.00	7.009		mg/L		107	75 - 125	4	20	
Selenium	<0.00640		0.0500	0.04880		mg/L		98	75 - 125	7	20	
Silver	<0.00130		0.0500	0.05160		mg/L		103	75 - 125	3	20	
Sodium	6.51		5.00	11.23		mg/L		94	75 - 125	3	20	
Thallium	<0.00450		0.0500	0.04710		mg/L		94	75 - 125	4	20	
Vanadium	<0.0150		0.500	0.5472		mg/L		109	75 - 125	5	20	
Zinc	0.0149	J	0.500	0.4983		mg/L		97	75 - 125	4	20	

**Lab Sample ID: MB 490-115747/1-A**

**Matrix: Solid**

**Analysis Batch: 116297**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 115747**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<15.8		19.7	15.8	mg/Kg		10/21/13 09:27	10/22/13 15:16	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-115747/1-A**  
**Matrix: Solid**  
**Analysis Batch: 116297**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 115747**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.38		9.86	1.38	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Arsenic	<0.937		1.97	0.937	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Barium	<0.197		1.97	0.197	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Beryllium	<0.0986		0.986	0.0986	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Cadmium	<0.0986		0.986	0.0986	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Calcium	<43.4		197	43.4	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Chromium	<0.296		0.986	0.296	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Cobalt	<0.296		1.97	0.296	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Copper	<1.68		1.97	1.68	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Iron	<1.48		19.7	1.48	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Lead	<0.690		0.986	0.690	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Magnesium	<12.8		197	12.8	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Manganese	1.637	J	2.96	0.325	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Nickel	<0.296		1.97	0.296	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Potassium	70.28	J	197	19.7	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Selenium	<1.48		1.97	1.48	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Silver	<0.296		0.986	0.296	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Sodium	149.0	J	197	19.7	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Thallium	<1.18		1.97	1.18	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Vanadium	<3.06		9.86	3.06	mg/Kg		10/21/13 09:27	10/22/13 15:16	1
Zinc	<0.986		9.86	0.986	mg/Kg		10/21/13 09:27	10/22/13 15:16	1

**Lab Sample ID: LCS 490-115747/2-A**  
**Matrix: Solid**  
**Analysis Batch: 116297**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 115747**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	771	741.2		mg/Kg		96	80 - 120
Antimony	38.5	36.13		mg/Kg		94	80 - 120
Arsenic	19.3	17.94		mg/Kg		93	80 - 120
Barium	771	773.8		mg/Kg		100	80 - 120
Beryllium	19.3	19.58		mg/Kg		102	80 - 120
Cadmium	19.3	18.82		mg/Kg		98	80 - 120
Calcium	1930	1847		mg/Kg		96	80 - 120
Chromium	77.1	77.67		mg/Kg		101	80 - 120
Cobalt	193	193.4		mg/Kg		100	80 - 120
Copper	96.3	94.43		mg/Kg		98	80 - 120
Iron	385	393.8		mg/Kg		102	80 - 120
Lead	19.3	19.19		mg/Kg		100	80 - 120
Magnesium	1930	1878		mg/Kg		97	80 - 120
Manganese	193	199.0		mg/Kg		103	80 - 120
Nickel	193	198.5		mg/Kg		103	80 - 120
Potassium	1930	1858		mg/Kg		96	80 - 120
Selenium	19.3	18.63		mg/Kg		97	80 - 120
Silver	19.3	19.04		mg/Kg		99	80 - 120
Sodium	1930	2017		mg/Kg		105	80 - 120
Thallium	19.3	17.94		mg/Kg		93	80 - 120
Vanadium	193	190.3		mg/Kg		99	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-115747/2-A**  
**Matrix: Solid**  
**Analysis Batch: 116297**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 115747**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	193	184.4		mg/Kg		96	80 - 120

**Lab Sample ID: 490-38079-A-2-AC MS**  
**Matrix: Solid**  
**Analysis Batch: 116297**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 115747**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10500		889	12530	4	mg/Kg	*	228	75 - 125
Antimony	<1.49		44.5	38.39		mg/Kg	*	86	75 - 125
Arsenic	5.57		22.2	24.25		mg/Kg	*	84	75 - 125
Barium	186		889	990.8		mg/Kg	*	91	75 - 125
Beryllium	0.531	J	22.2	21.70		mg/Kg	*	95	75 - 125
Cadmium	0.382	J	22.2	20.67		mg/Kg	*	91	75 - 125
Calcium	13800		2220	12190	4	mg/Kg	*	-72	75 - 125
Chromium	18.6		88.9	103.0		mg/Kg	*	95	75 - 125
Cobalt	9.41		222	226.5		mg/Kg	*	98	75 - 125
Copper	20.7		111	120.7		mg/Kg	*	90	75 - 125
Iron	21100		445	21560	4	mg/Kg	*	92	75 - 125
Lead	11.5		22.2	31.81		mg/Kg	*	91	75 - 125
Magnesium	7900		2220	9481	F	mg/Kg	*	71	75 - 125
Manganese	280	B	222	453.9		mg/Kg	*	78	75 - 125
Nickel	27.9		222	251.9		mg/Kg	*	101	75 - 125
Potassium	740	B	2220	2647		mg/Kg	*	86	75 - 125
Selenium	<1.59		22.2	17.14		mg/Kg	*	77	75 - 125
Silver	<0.319		22.2	19.76		mg/Kg	*	89	75 - 125
Sodium	196	J B	2220	2274		mg/Kg	*	93	75 - 125
Thallium	<1.27		22.2	20.96		mg/Kg	*	94	75 - 125
Vanadium	25.2		222	230.7		mg/Kg	*	92	75 - 125
Zinc	64.5		222	262.5		mg/Kg	*	89	75 - 125

**Lab Sample ID: 490-38079-A-2-AD MSD**  
**Matrix: Solid**  
**Analysis Batch: 116297**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 115747**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	10500		873	16060	4	mg/Kg	*	637	75 - 125	25	20
Antimony	<1.49		43.7	37.16		mg/Kg	*	85	75 - 125	3	20
Arsenic	5.57		21.8	23.80		mg/Kg	*	84	75 - 125	2	20
Barium	186		873	1029		mg/Kg	*	97	75 - 125	4	20
Beryllium	0.531	J	21.8	21.11		mg/Kg	*	94	75 - 125	3	20
Cadmium	0.382	J	21.8	20.26		mg/Kg	*	91	75 - 125	2	20
Calcium	13800		2180	14370	4	mg/Kg	*	26	75 - 125	16	20
Chromium	18.6		87.3	105.8		mg/Kg	*	100	75 - 125	3	20
Cobalt	9.41		218	225.3		mg/Kg	*	99	75 - 125	1	20
Copper	20.7		109	121.6		mg/Kg	*	92	75 - 125	1	20
Iron	21100		437	23710	4	mg/Kg	*	588	75 - 125	10	20
Lead	11.5		21.8	34.12		mg/Kg	*	104	75 - 125	7	20
Magnesium	7900		2180	10550		mg/Kg	*	121	75 - 125	11	20
Manganese	280	B	218	503.2		mg/Kg	*	102	75 - 125	10	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-38079-A-2-AD MSD**  
**Matrix: Solid**  
**Analysis Batch: 116297**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 115747**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Nickel	27.9		218	250.4		mg/Kg	*	102	75 - 125	1	20
Potassium	740	B	2180	3179		mg/Kg	*	112	75 - 125	18	20
Selenium	<1.59		21.8	17.29		mg/Kg	*	79	75 - 125	1	20
Silver	<0.319		21.8	19.15		mg/Kg	*	88	75 - 125	3	20
Sodium	196	J B	2180	2233		mg/Kg	*	93	75 - 125	2	20
Thallium	<1.27		21.8	20.65		mg/Kg	*	95	75 - 125	1	20
Vanadium	25.2		218	229.7		mg/Kg	*	94	75 - 125	0	20
Zinc	64.5		218	267.0		mg/Kg	*	93	75 - 125	2	20

**Lab Sample ID: MB 490-115420/1-B**  
**Matrix: Water**  
**Analysis Batch: 116048**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 115422**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	0.08380	J	0.100	0.0680	mg/L		10/18/13 13:24	10/21/13 17:42	1
Antimony	<0.00670		0.0100	0.00670	mg/L		10/18/13 13:24	10/21/13 17:42	1
Arsenic	<0.00470		0.0100	0.00470	mg/L		10/18/13 13:24	10/21/13 17:42	1
Barium	<0.000500		0.0100	0.000500	mg/L		10/18/13 13:24	10/21/13 17:42	1
Beryllium	<0.000300		0.00400	0.000300	mg/L		10/18/13 13:24	10/21/13 17:42	1
Cadmium	<0.000200		0.00100	0.000200	mg/L		10/18/13 13:24	10/21/13 17:42	1
Calcium	<0.150		1.00	0.150	mg/L		10/18/13 13:24	10/21/13 17:42	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/18/13 13:24	10/21/13 17:42	1
Cobalt	<0.000900		0.0100	0.000900	mg/L		10/18/13 13:24	10/21/13 17:42	1
Copper	<0.00700		0.0100	0.00700	mg/L		10/18/13 13:24	10/21/13 17:42	1
Iron	<0.0100		0.100	0.0100	mg/L		10/18/13 13:24	10/21/13 17:42	1
Lead	<0.00350		0.00500	0.00350	mg/L		10/18/13 13:24	10/21/13 17:42	1
Magnesium	<0.0530		1.00	0.0530	mg/L		10/18/13 13:24	10/21/13 17:42	1
Manganese	<0.00200		0.0150	0.00200	mg/L		10/18/13 13:24	10/21/13 17:42	1
Nickel	<0.00130		0.0100	0.00130	mg/L		10/18/13 13:24	10/21/13 17:42	1
Selenium	<0.00640		0.0100	0.00640	mg/L		10/18/13 13:24	10/21/13 17:42	1
Silver	<0.00130		0.00500	0.00130	mg/L		10/18/13 13:24	10/21/13 17:42	1
Thallium	0.005400	J	0.0100	0.00450	mg/L		10/18/13 13:24	10/21/13 17:42	1
Vanadium	<0.0150		0.0200	0.0150	mg/L		10/18/13 13:24	10/21/13 17:42	1
Zinc	<0.0100		0.0500	0.0100	mg/L		10/18/13 13:24	10/21/13 17:42	1

**Lab Sample ID: MB 490-115420/1-B**  
**Matrix: Water**  
**Analysis Batch: 116362**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 115422**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Potassium	<0.0880		1.00	0.0880	mg/L		10/18/13 13:24	10/23/13 09:02	1
Sodium	<0.360		1.00	0.360	mg/L		10/18/13 13:24	10/23/13 09:02	1

**Lab Sample ID: LCS 490-115420/2-B**  
**Matrix: Water**  
**Analysis Batch: 116048**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 115422**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Aluminum	2.00	2.126		mg/L		106	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-115420/2-B**

**Matrix: Water**

**Analysis Batch: 116048**

**Client Sample ID: Lab Control Sample**

**Prep Type: Dissolved**

**Prep Batch: 115422**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							Limits	
Antimony	0.100	0.1058		mg/L		106	80 - 120	
Arsenic	0.0500	0.04920		mg/L		98	80 - 120	
Barium	2.00	2.125		mg/L		106	80 - 120	
Beryllium	0.0500	0.05530		mg/L		111	80 - 120	
Cadmium	0.0500	0.05390		mg/L		108	80 - 120	
Calcium	5.00	5.336		mg/L		107	80 - 120	
Chromium	0.200	0.2115		mg/L		106	80 - 120	
Cobalt	0.500	0.5178		mg/L		104	80 - 120	
Copper	0.250	0.2488		mg/L		100	80 - 120	
Iron	1.00	1.051		mg/L		105	80 - 120	
Lead	0.0500	0.05330		mg/L		107	80 - 120	
Magnesium	5.00	5.305		mg/L		106	80 - 120	
Manganese	0.500	0.5473		mg/L		109	80 - 120	
Nickel	0.500	0.5256		mg/L		105	80 - 120	
Selenium	0.0500	0.05020		mg/L		100	80 - 120	
Silver	0.0500	0.05480		mg/L		110	80 - 120	
Thallium	0.0500	0.05520		mg/L		110	80 - 120	
Vanadium	0.500	0.5196		mg/L		104	80 - 120	
Zinc	0.500	0.5122		mg/L		102	80 - 120	

**Lab Sample ID: LCSD 490-115420/3-B**

**Matrix: Water**

**Analysis Batch: 116048**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Dissolved**

**Prep Batch: 115422**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							Limits		RPD	Limit
Aluminum	2.00	2.073		mg/L		104	80 - 120	3	20	
Antimony	0.100	0.1060		mg/L		106	80 - 120	0	20	
Arsenic	0.0500	0.05490		mg/L		110	80 - 120	11	20	
Barium	2.00	2.158		mg/L		108	80 - 120	2	20	
Beryllium	0.0500	0.05620		mg/L		112	80 - 120	2	20	
Cadmium	0.0500	0.05480		mg/L		110	80 - 120	2	20	
Calcium	5.00	5.393		mg/L		108	80 - 120	1	20	
Chromium	0.200	0.2150		mg/L		108	80 - 120	2	20	
Cobalt	0.500	0.5272		mg/L		105	80 - 120	2	20	
Copper	0.250	0.2668		mg/L		107	80 - 120	7	20	
Iron	1.00	1.063		mg/L		106	80 - 120	1	20	
Lead	0.0500	0.05470		mg/L		109	80 - 120	3	20	
Magnesium	5.00	5.316		mg/L		106	80 - 120	0	20	
Manganese	0.500	0.5585		mg/L		112	80 - 120	2	20	
Nickel	0.500	0.5321		mg/L		106	80 - 120	1	20	
Selenium	0.0500	0.04910		mg/L		98	80 - 120	2	20	
Silver	0.0500	0.05390		mg/L		108	80 - 120	2	20	
Thallium	0.0500	0.05530		mg/L		111	80 - 120	0	20	
Vanadium	0.500	0.5246		mg/L		105	80 - 120	1	20	
Zinc	0.500	0.5228		mg/L		105	80 - 120	2	20	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID:** LCSD 490-115420/3-B  
**Matrix:** Water  
**Analysis Batch:** 116362

**Client Sample ID:** Lab Control Sample Dup  
**Prep Type:** Dissolved  
**Prep Batch:** 115422

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Potassium	5.00	5.334		mg/L		107	80 - 120	2	20	
Sodium	5.00	5.743		mg/L		115	80 - 120	2	20	

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID:** MB 490-116434/1-A  
**Matrix:** Water  
**Analysis Batch:** 116761

**Client Sample ID:** Method Blank  
**Prep Type:** Total/NA  
**Prep Batch:** 116434

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000150		0.000200	0.000150	mg/L		10/23/13 12:54	10/24/13 11:19	1

**Lab Sample ID:** LCS 490-116434/2-A  
**Matrix:** Water  
**Analysis Batch:** 116761

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 116434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Mercury	0.00100	0.001074		mg/L		107	80 - 120	

**Lab Sample ID:** 490-37637-F-3-C MS  
**Matrix:** Water  
**Analysis Batch:** 116761

**Client Sample ID:** Matrix Spike  
**Prep Type:** Total/NA  
**Prep Batch:** 116434

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Mercury	<0.000150		0.00100	0.0008377		mg/L		84	75 - 125	

**Lab Sample ID:** 490-37637-F-3-D MSD  
**Matrix:** Water  
**Analysis Batch:** 116761

**Client Sample ID:** Matrix Spike Duplicate  
**Prep Type:** Total/NA  
**Prep Batch:** 116434

Analyte	Sample Sample		Spike Added	MSD MSD		Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Mercury	<0.000150		0.00100	0.0008585		mg/L		86	75 - 125	2	20	

**Lab Sample ID:** MB 490-116614/1-B  
**Matrix:** Water  
**Analysis Batch:** 116921

**Client Sample ID:** Method Blank  
**Prep Type:** Dissolved  
**Prep Batch:** 116615

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000150		0.000200	0.000150	mg/L		10/24/13 08:25	10/24/13 14:28	1

**Lab Sample ID:** LCS 490-116614/2-B  
**Matrix:** Water  
**Analysis Batch:** 116921

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Dissolved  
**Prep Batch:** 116615

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Mercury	0.00100	0.001119		mg/L		112	80 - 120	

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 490-116614/3-B  
Matrix: Water  
Analysis Batch: 116921

Client Sample ID: Lab Control Sample Dup  
Prep Type: Dissolved  
Prep Batch: 116615

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.0009750		mg/L		98	80 - 120	14	20

## Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 490-116388/1-A  
Matrix: Solid  
Analysis Batch: 117018

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 116388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0300		0.0998	0.0300	mg/Kg		10/23/13 11:35	10/25/13 08:23	1

Lab Sample ID: LCS 490-116388/2-A  
Matrix: Solid  
Analysis Batch: 117018

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 116388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.161	0.1704		mg/Kg		106	80 - 120

Lab Sample ID: 490-37637-D-1-C MS  
Matrix: Solid  
Analysis Batch: 117018

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 116388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.202		0.195	0.3550	F	mg/Kg	☼	78	80 - 120

Lab Sample ID: 490-37637-D-1-D MSD  
Matrix: Solid  
Analysis Batch: 117018

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 116388

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.202		0.195	0.4466	F	mg/Kg	☼	125	80 - 120	23	20

## Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 680-298141/2  
Matrix: Water  
Analysis Batch: 298141

Client Sample ID: Method Blank  
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.00300		0.0100	0.00300	mg/L			10/12/13 13:20	1

Lab Sample ID: LCS 680-298141/1  
Matrix: Water  
Analysis Batch: 298141

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.200	0.1988		mg/L		99	85 - 115

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Method: 7196A - Chromium, Hexavalent (Continued)

**Lab Sample ID: 490-37639-3 MS**  
**Matrix: Ground Water**  
**Analysis Batch: 298141**

**Client Sample ID: TRACT 33 TW-4 (14-18)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	<0.300	H	20.0	20.17		mg/L		101	85 - 115

**Lab Sample ID: 490-37639-3 MSD**  
**Matrix: Ground Water**  
**Analysis Batch: 298141**

**Client Sample ID: TRACT 33 TW-4 (14-18)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium, hexavalent	<0.300	H	20.0	20.33		mg/L		102	85 - 115	1	20

**Lab Sample ID: MB 680-299344/1-A**  
**Matrix: Solid**  
**Analysis Batch: 299722**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 299344**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.300		1.00	0.300	mg/Kg		10/21/13 08:43	10/22/13 13:17	1

**Lab Sample ID: LCS 680-299344/2-A**  
**Matrix: Solid**  
**Analysis Batch: 299722**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 299344**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	20.0	16.80		mg/Kg		84	80 - 120

**Lab Sample ID: 490-37639-1 MS**  
**Matrix: Soil**  
**Analysis Batch: 299722**

**Client Sample ID: TRACT 33 SB-4 (0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 299344**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	<2.97		99.0	48.19	F	mg/Kg	☼	49	80 - 120
Chromium, hexavalent	<2.97		2.09	1787		mg/Kg	☼	NC	80 - 120

**Lab Sample ID: 490-37639-1 DU**  
**Matrix: Soil**  
**Analysis Batch: 299722**

**Client Sample ID: TRACT 33 SB-4 (0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 299344**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	<2.97		<3.00		mg/Kg	☼	NC	30

## Method: Moisture - Percent Moisture

**Lab Sample ID: 490-37471-B-1 DU**  
**Matrix: Solid**  
**Analysis Batch: 114103**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	86		86		%		0.7	20



# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## GC/MS VOA

### Prep Batch: 113952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	5035	
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	5035	

### Analysis Batch: 115059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	8260B	
490-37639-4	TRIP BLANK	Total/NA	Water	8260B	
490-37869-A-7 MS	Matrix Spike	Total/NA	Water	8260B	
490-37869-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-115059/3	Lab Control Sample	Total/NA	Water	8260B	
LCS 490-115059/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-115059/5	Method Blank	Total/NA	Water	8260B	

### Analysis Batch: 115295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	8260B	113952
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	8260B	113952
LCS 490-115295/4	Lab Control Sample	Total/NA	Solid	8260B	
LCS 490-115295/7	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-115295/10	Method Blank	Total/NA	Solid	8260B	

## GC/MS Semi VOA

### Prep Batch: 114675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	3550C	
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	3550C	
490-37729-A-4-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-37729-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
LCS 490-114675/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-114675/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 114792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	3510C	
LCS 490-114792/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-114792/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 115014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	8270D	114792
LCS 490-114792/2-A	Lab Control Sample	Total/NA	Water	8270D	114792
MB 490-114792/1-A	Method Blank	Total/NA	Water	8270D	114792

### Analysis Batch: 115140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	8270D	114675
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	8270D	114675
490-37729-A-4-B MS	Matrix Spike	Total/NA	Solid	8270D	114675
490-37729-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	114675

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## GC/MS Semi VOA (Continued)

### Analysis Batch: 115140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-114675/2-A	Lab Control Sample	Total/NA	Solid	8270D	114675
MB 490-114675/1-A	Method Blank	Total/NA	Solid	8270D	114675

## GC Semi VOA

### Prep Batch: 114328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-H-1-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-37637-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	3550C	
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	3550C	
LCS 490-114328/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 490-114328/3-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-114328/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 114487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-F-8-D MS	Matrix Spike	Total/NA	Solid	3550C	
490-37275-F-8-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	3550C	
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	3550C	
LCS 490-114487/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-114487/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 114696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-H-1-B MS	Matrix Spike	Total/NA	Solid	8081B	114328
490-37637-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	114328
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	8081B	114328
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	8081B	114328
LCS 490-114328/2-A	Lab Control Sample	Total/NA	Solid	8081B	114328
LCS 490-114328/3-A	Lab Control Sample	Total/NA	Solid	8081B	114328
MB 490-114328/1-A	Method Blank	Total/NA	Solid	8081B	114328

### Prep Batch: 114715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	3510C	
LCS 490-114715/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-114715/1-A	Method Blank	Total/NA	Water	3510C	

### Prep Batch: 114718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	3510C	
LCS 490-114718/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 490-114718/3-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-114718/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 114829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-F-8-D MS	Matrix Spike	Total/NA	Solid	8082A	114487

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## GC Semi VOA (Continued)

### Analysis Batch: 114829 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-F-8-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	114487
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	8082A	114487
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	8082A	114487
LCS 490-114487/2-A	Lab Control Sample	Total/NA	Solid	8082A	114487
MB 490-114487/1-A	Method Blank	Total/NA	Solid	8082A	114487

### Analysis Batch: 115053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	8082A	114715
LCS 490-114715/2-A	Lab Control Sample	Total/NA	Water	8082A	114715
MB 490-114715/1-A	Method Blank	Total/NA	Water	8082A	114715

### Analysis Batch: 115150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	8081B	114718
LCS 490-114718/2-A	Lab Control Sample	Total/NA	Water	8081B	114718
LCS 490-114718/3-A	Lab Control Sample	Total/NA	Water	8081B	114718
MB 490-114718/1-A	Method Blank	Total/NA	Water	8081B	114718

### Analysis Batch: 115401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	8081B	114328
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	8081B	114328
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	8081B	114718

### Analysis Batch: 116122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	8081B	114328
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	8081B	114328

### Analysis Batch: 116609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	8081B	114718

## Metals

### Prep Batch: 114861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37638-E-13-B MS	Matrix Spike	Total/NA	Water	3010A	
490-37638-E-13-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	3010A	
LCS 490-114861/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 490-114861/1-A	Method Blank	Total/NA	Water	3010A	

### Analysis Batch: 115271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37638-E-13-B MS	Matrix Spike	Total/NA	Water	6010C	114861
490-37638-E-13-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010C	114861
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	6010C	114861
LCS 490-114861/2-A	Lab Control Sample	Total/NA	Water	6010C	114861

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 115271 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-114861/1-A	Method Blank	Total/NA	Water	6010C	114861

### Analysis Batch: 115415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-114861/2-A	Lab Control Sample	Total/NA	Water	6010C	114861
MB 490-114861/1-A	Method Blank	Total/NA	Water	6010C	114861

### Filtration Batch: 115420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Dissolved	Ground Water	Filtration	
LCS 490-115420/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-115420/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-115420/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 115422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Dissolved	Ground Water	3005A	115420
LCS 490-115420/2-B	Lab Control Sample	Dissolved	Water	3005A	115420
LCSD 490-115420/3-B	Lab Control Sample Dup	Dissolved	Water	3005A	115420
MB 490-115420/1-B	Method Blank	Dissolved	Water	3005A	115420

### Prep Batch: 115747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	3051A	
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	3051A	
490-38079-A-2-AC MS	Matrix Spike	Total/NA	Solid	3051A	
490-38079-A-2-AD MSD	Matrix Spike Duplicate	Total/NA	Solid	3051A	
LCS 490-115747/2-A	Lab Control Sample	Total/NA	Solid	3051A	
MB 490-115747/1-A	Method Blank	Total/NA	Solid	3051A	

### Analysis Batch: 116048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Dissolved	Ground Water	6010C	115422
LCS 490-115420/2-B	Lab Control Sample	Dissolved	Water	6010C	115422
LCSD 490-115420/3-B	Lab Control Sample Dup	Dissolved	Water	6010C	115422
MB 490-115420/1-B	Method Blank	Dissolved	Water	6010C	115422

### Analysis Batch: 116297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	6010C	115747
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	6010C	115747
490-38079-A-2-AC MS	Matrix Spike	Total/NA	Solid	6010C	115747
490-38079-A-2-AD MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	115747
LCS 490-115747/2-A	Lab Control Sample	Total/NA	Solid	6010C	115747
MB 490-115747/1-A	Method Blank	Total/NA	Solid	6010C	115747

### Analysis Batch: 116362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 490-115420/3-B	Lab Control Sample Dup	Dissolved	Water	6010C	115422
MB 490-115420/1-B	Method Blank	Dissolved	Water	6010C	115422

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Metals (Continued)

### Prep Batch: 116388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-D-1-C MS	Matrix Spike	Total/NA	Solid	7471B	
490-37637-D-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	7471B	
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	7471B	
LCS 490-116388/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 490-116388/1-A	Method Blank	Total/NA	Solid	7471B	

### Prep Batch: 116434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-F-3-C MS	Matrix Spike	Total/NA	Water	7470A	
490-37637-F-3-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	7470A	
LCS 490-116434/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 490-116434/1-A	Method Blank	Total/NA	Water	7470A	

### Filtration Batch: 116614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Dissolved	Ground Water	Filtration	
LCS 490-116614/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-116614/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-116614/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 116615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Dissolved	Ground Water	7470A	116614
LCS 490-116614/2-B	Lab Control Sample	Dissolved	Water	7470A	116614
LCSD 490-116614/3-B	Lab Control Sample Dup	Dissolved	Water	7470A	116614
MB 490-116614/1-B	Method Blank	Dissolved	Water	7470A	116614

### Analysis Batch: 116761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-F-3-C MS	Matrix Spike	Total/NA	Water	7470A	116434
490-37637-F-3-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	116434
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	7470A	116434
LCS 490-116434/2-A	Lab Control Sample	Total/NA	Water	7470A	116434
MB 490-116434/1-A	Method Blank	Total/NA	Water	7470A	116434

### Analysis Batch: 116921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Dissolved	Ground Water	7470A	116615
LCS 490-116614/2-B	Lab Control Sample	Dissolved	Water	7470A	116615
LCSD 490-116614/3-B	Lab Control Sample Dup	Dissolved	Water	7470A	116615
MB 490-116614/1-B	Method Blank	Dissolved	Water	7470A	116615

### Analysis Batch: 117018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37637-D-1-C MS	Matrix Spike	Total/NA	Solid	7471B	116388
490-37637-D-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	116388
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	7471B	116388
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	7471B	116388
LCS 490-116388/2-A	Lab Control Sample	Total/NA	Solid	7471B	116388

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 117018 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-116388/1-A	Method Blank	Total/NA	Solid	7471B	116388

## General Chemistry

### Analysis Batch: 114103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37471-B-1 DU	Duplicate	Total/NA	Solid	Moisture	
490-37581-A-6 MS	Matrix Spike	Total/NA	Solid	Moisture	
490-37581-A-6 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	Moisture	
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	Moisture	

### Analysis Batch: 298141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-3	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	7196A	
490-37639-3 MS	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	7196A	
490-37639-3 MSD	TRACT 33 TW-4 (14-18)	Total/NA	Ground Water	7196A	
LCS 680-298141/1	Lab Control Sample	Total/NA	Water	7196A	
MB 680-298141/2	Method Blank	Total/NA	Water	7196A	

### Prep Batch: 299344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	3060A	
490-37639-1 DU	TRACT 33 SB-4 (0-2)	Total/NA	Soil	3060A	
490-37639-1 MS	TRACT 33 SB-4 (0-2)	Total/NA	Soil	3060A	
490-37639-1 MS	TRACT 33 SB-4 (0-2)	Total/NA	Soil	3060A	
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	3060A	
LCS 680-299344/2-A	Lab Control Sample	Total/NA	Solid	3060A	
MB 680-299344/1-A	Method Blank	Total/NA	Solid	3060A	

### Analysis Batch: 299722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37639-1	TRACT 33 SB-4 (0-2)	Total/NA	Soil	7196A	299344
490-37639-1 DU	TRACT 33 SB-4 (0-2)	Total/NA	Soil	7196A	299344
490-37639-1 MS	TRACT 33 SB-4 (0-2)	Total/NA	Soil	7196A	299344
490-37639-1 MS	TRACT 33 SB-4 (0-2)	Total/NA	Soil	7196A	299344
490-37639-2	TRACT 33 SB-4 (22-26)	Total/NA	Soil	7196A	299344
LCS 680-299344/2-A	Lab Control Sample	Total/NA	Solid	7196A	299344
MB 680-299344/1-A	Method Blank	Total/NA	Solid	7196A	299344

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 SB-4 (0-2)**

**Lab Sample ID: 490-37639-1**

Date Collected: 10/11/13 11:20

Matrix: Soil

Date Received: 10/12/13 09:06

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113952	10/12/13 14:16	JLP	TAL NSH
Total/NA	Analysis	8260B		1	115295	10/18/13 20:15	KKK	TAL NSH
Total/NA	Prep	3550C			114675	10/16/13 08:57	BJB	TAL NSH
Total/NA	Analysis	8270D		1	115140	10/18/13 01:04	KJP	TAL NSH
Total/NA	Analysis	8081B		10	114696	10/16/13 16:30	WAM	TAL NSH
Total/NA	Prep	3550C			114487	10/15/13 12:56	LP	TAL NSH
Total/NA	Analysis	8082A		1	114829	10/16/13 18:55	WAM	TAL NSH
Total/NA	Analysis	8081B		10	115401	10/18/13 22:19	WAM	TAL NSH
Total/NA	Prep	3550C			114328	10/15/13 08:42	LP	TAL NSH
Total/NA	Analysis	8081B		10	116122	10/22/13 18:55	WAM	TAL NSH
Total/NA	Prep	3051A			115747	10/21/13 09:27	DBK	TAL NSH
Total/NA	Analysis	6010C		1	116297	10/22/13 16:02	DEB	TAL NSH
Total/NA	Prep	7471B			116388	10/23/13 11:35	LTB	TAL NSH
Total/NA	Analysis	7471B		1	117018	10/25/13 08:39	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	114103	10/14/13 09:50	RRS	TAL NSH
Total/NA	Prep	3060A			299344	10/21/13 08:43	JKL	TAL SAV
Total/NA	Analysis	7196A		10	299722	10/22/13 13:45	CRW	TAL SAV

**Client Sample ID: TRACT 33 SB-4 (22-26)**

**Lab Sample ID: 490-37639-2**

Date Collected: 10/11/13 11:30

Matrix: Soil

Date Received: 10/12/13 09:06

Percent Solids: 70.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113952	10/12/13 14:16	JLP	TAL NSH
Total/NA	Analysis	8260B		1	115295	10/18/13 20:45	KKK	TAL NSH
Total/NA	Prep	3550C			114675	10/16/13 08:57	BJB	TAL NSH
Total/NA	Analysis	8270D		1	115140	10/18/13 01:26	KJP	TAL NSH
Total/NA	Analysis	8081B		1	114696	10/16/13 16:42	WAM	TAL NSH
Total/NA	Prep	3550C			114328	10/15/13 08:42	LP	TAL NSH
Total/NA	Prep	3550C			114487	10/15/13 12:56	LP	TAL NSH
Total/NA	Analysis	8082A		1	114829	10/16/13 19:16	WAM	TAL NSH
Total/NA	Analysis	8081B		1	115401	10/18/13 20:29	WAM	TAL NSH
Total/NA	Analysis	8081B		1	116122	10/22/13 17:42	WAM	TAL NSH
Total/NA	Prep	3051A			115747	10/21/13 09:27	DBK	TAL NSH
Total/NA	Analysis	6010C		1	116297	10/22/13 16:21	DEB	TAL NSH
Total/NA	Prep	7471B			116388	10/23/13 11:35	LTB	TAL NSH
Total/NA	Analysis	7471B		1	117018	10/25/13 08:41	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	114103	10/14/13 09:50	RRS	TAL NSH
Total/NA	Prep	3060A			299344	10/21/13 08:43	JKL	TAL SAV
Total/NA	Analysis	7196A		1	299722	10/22/13 13:18	CRW	TAL SAV

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 33 TW-4 (14-18)**

**Lab Sample ID: 490-37639-3**

**Date Collected: 10/11/13 12:00**

**Matrix: Ground Water**

**Date Received: 10/12/13 09:06**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	115059	10/17/13 19:14	JJR	TAL NSH
Total/NA	Prep	3510C			114792	10/16/13 12:23	RCH	TAL NSH
Total/NA	Analysis	8270D		1	115014	10/17/13 20:28	BES	TAL NSH
Total/NA	Prep	3510C			114715	10/16/13 09:50	DEF	TAL NSH
Total/NA	Analysis	8082A		1	115053	10/17/13 14:32	WAM	TAL NSH
Total/NA	Prep	3510C			114718	10/16/13 09:58	CLH	TAL NSH
Total/NA	Analysis	8081B		1	115150	10/17/13 21:06	WAM	TAL NSH
Total/NA	Analysis	8081B		1	115401	10/18/13 18:40	WAM	TAL NSH
Total/NA	Analysis	8081B		1	116609	10/24/13 08:50	WAM	TAL NSH
Total/NA	Prep	3010A			114861	10/16/13 14:45	JBD	TAL NSH
Total/NA	Analysis	6010C		10	115271	10/17/13 23:05	DEB	TAL NSH
Dissolved	Filtration	Filtration			115420	10/18/13 13:21	JBD	TAL NSH
Dissolved	Prep	3005A			115422	10/18/13 13:24	JBD	TAL NSH
Dissolved	Analysis	6010C		1	116048	10/21/13 18:04	KDJ	TAL NSH
Total/NA	Prep	7470A			116434	10/23/13 12:54	LTB	TAL NSH
Total/NA	Analysis	7470A		1	116761	10/24/13 11:36	LTB	TAL NSH
Dissolved	Filtration	Filtration			116614	10/24/13 08:23	LTB	TAL NSH
Dissolved	Prep	7470A			116615	10/24/13 08:25	LTB	TAL NSH
Dissolved	Analysis	7470A		1	116921	10/24/13 14:34	LTB	TAL NSH
Total/NA	Analysis	7196A		100	298141	10/12/13 13:20	CRW	TAL SAV

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 490-37639-4**

**Date Collected: 10/11/13 00:01**

**Matrix: Water**

**Date Received: 10/12/13 09:06**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	115059	10/17/13 17:54	JJR	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858



# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
8081B	Organochlorine Pesticides (GC)	SW846	TAL NSH
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NSH
6010C	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL NSH
7196A	Chromium, Hexavalent	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL NSH

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858



# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8081B	3510C	Ground Water	Chlordane (technical)
8081B	3510C	Water	Chlordane (technical)
8081B	3550C	Soil	Chlordane (technical)
8081B	3550C	Solid	Chlordane (technical)
8260B		Ground Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Ground Water	Cyclohexane
8260B		Ground Water	Methyl acetate
8260B		Ground Water	Methylcyclohexane
8260B		Solid	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Solid	Cyclohexane
8260B		Solid	Methyl acetate
8260B		Solid	Methylcyclohexane
8260B		Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Water	Cyclohexane
8260B		Water	Methyl acetate
8260B		Water	Methylcyclohexane
8260B	5035	Soil	1,1,2-Trichloro-1,2,2-trichloroethane
8260B	5035	Soil	Cyclohexane
8260B	5035	Soil	Methyl acetate
8260B	5035	Soil	Methylcyclohexane
8270D	3510C	Ground Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Ground Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Ground Water	3,3'-Dichlorobenzidine
8270D	3510C	Ground Water	Acetophenone
8270D	3510C	Ground Water	Atrazine
8270D	3510C	Ground Water	Benzaldehyde
8270D	3510C	Ground Water	Biphenyl
8270D	3510C	Ground Water	Caprolactam
8270D	3510C	Ground Water	Carbazole
8270D	3510C	Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Water	3,3'-Dichlorobenzidine
8270D	3510C	Water	Acetophenone
8270D	3510C	Water	Atrazine
8270D	3510C	Water	Benzaldehyde
8270D	3510C	Water	Biphenyl
8270D	3510C	Water	Caprolactam
8270D	3510C	Water	Carbazole
8270D	3550C	Soil	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Soil	2,3,4,6-Tetrachlorophenol
8270D	3550C	Soil	3 & 4 Methylphenol
8270D	3550C	Soil	3,3'-Dichlorobenzidine
8270D	3550C	Soil	4-Nitrophenol
8270D	3550C	Soil	Acetophenone
8270D	3550C	Soil	Atrazine
8270D	3550C	Soil	Benzaldehyde

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Soil	Biphenyl
8270D	3550C	Soil	Caprolactam
8270D	3550C	Soil	Carbazole
8270D	3550C	Solid	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Solid	2,3,4,6-Tetrachlorophenol
8270D	3550C	Solid	3 & 4 Methylphenol
8270D	3550C	Solid	3,3'-Dichlorobenzidine
8270D	3550C	Solid	4-Nitrophenol
8270D	3550C	Solid	Acetophenone
8270D	3550C	Solid	Atrazine
8270D	3550C	Solid	Benzaldehyde
8270D	3550C	Solid	Biphenyl
8270D	3550C	Solid	Caprolactam
8270D	3550C	Solid	Carbazole

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Soil	Percent Solids
Moisture		Solid	Percent Solids

## Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-15
A2LA	ISO/IEC 17025		399.01	02-28-15
Alabama	State Program	4	41450	06-30-14
Arkansas DEQ	State Program	6	88-0692	02-01-14
California	NELAP	9	3217CA	07-31-14
Colorado	State Program	8	N/A	12-31-13
Connecticut	State Program	1	PH-0161	03-31-15
Florida	NELAP	4	E87052	06-30-14
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-14
Georgia	State Program	4	803	06-30-14
Guam	State Program	9	09-005r	06-17-14
Hawaii	State Program	9	N/A	06-30-14
Illinois	NELAP	5	200022	11-30-13 *
Indiana	State Program	5	N/A	06-30-14
Iowa	State Program	7	353	07-01-15
Kentucky	State Program	4	90084	12-31-13
Kentucky (UST)	State Program	4	18	06-30-14
Louisiana	NELAP	6	30690	06-30-14
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-14

\* Expired certification is currently pending renewal and is considered valid.

# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-37639-1  
SDG: 1131-08-554

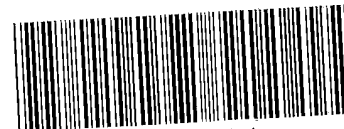
## Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Michigan	State Program	5	9925	06-30-14
Mississippi	State Program	4	N/A	06-30-14
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-14
New Jersey	NELAP	2	GA769	06-30-14
New Mexico	State Program	6	N/A	06-30-14
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-14
Oklahoma	State Program	6	9984	08-31-14
Pennsylvania	NELAP	3	68-00474	06-30-14
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-14
Tennessee	State Program	4	TN02961	06-30-14
Texas	NELAP	6	T104704185-08-TX	11-30-13 *
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-14
Washington	State Program	10	C1794	06-10-14
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-14
Wisconsin	State Program	5	999819810	08-31-14
Wyoming	State Program	8	8TMS-L	06-30-14

\* Expired certification is currently pending renewal and is considered valid.

### COOLER RECEIPT FORM



490-37639 Chain of Custody

Cooler Received/Opened On 10/12/2013 @ 8:15

1. Tracking # 0811 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 17960357

2. Temperature of rep. sample or temp blank when opened: 1.5 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) AJH

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES. NO...NA

14. Was there a Trip Blank in this cooler? YES. NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES..NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

21. Were there Non-Conformance issues at login? YES..NO Was a NCM generated? YES..NO..# \_\_\_\_\_

**COOLER RECEIPT FORM**

**Charleston**  
Loc: 490  
**37639**  
**#1**  
**A**

Cooler Received/Opened On 10/12/2013@ 0815

- 1. Tracking # 0888 (last 4 digits, FedEx)  
Courier: FedEx IR Gun ID 96210146
- 2. Temperature of rep. sample or temp blank when opened: 1.1 Degrees Celsius
- 3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA
- 4. Were custody seals on outside of cooler?  
If yes, how many and where: one front YES...NO...NA
- 5. Were the seals intact, signed, and dated correctly? YES...NO...NA
- 6. Were custody papers Inside cooler? DA YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

- 7. Were custody seals on containers: YES NO and Intact YES...NO...NA  
Were these signed and dated correctly? YES...NO...NA
- 8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None
- 9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None
- 10. Did all containers arrive in good condition (unbroken)? YES...NO...NA
- 11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA
- 12. Did all container labels and tags agree with custody papers? YES...NO...NA
- 13a. Were VOA vials received? YES...NO...NA  
b. Was there any observable headspace present in any VOA vial? YES...NO...NA
- 14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

- 15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA  
b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA
- 16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

- 17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA
- 18. Did you sign the custody papers in the appropriate place? YES...NO...NA
- 19. Were correct containers used for the analysis requested? YES...NO...NA
- 20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

- 21. Were there Non-Conformance issues at login? YES...NO... Was a NCM generated? YES...NO...#



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-37639-1

SDG Number: 1131-08-554

**Login Number: 37639**

**List Number: 1**

**Creator: Hayes, Ken**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5/1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	





## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-37639-1

SDG Number: 1131-08-554

**Login Number: 37639**

**List Number: 1**

**Creator: Banda, Christy S**

**List Source: TestAmerica Savannah**

**List Creation: 10/12/13 11:42 AM**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville

2960 Foster Creighton Drive

Nashville, TN 37204

Tel: (615)726-0177

TestAmerica Job ID: 490-41560-1

TestAmerica Sample Delivery Group: 1131-08-554

Client Project/Site: Port Access Road

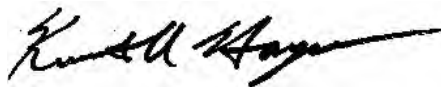
For:

S&ME, Inc.

620 Wando Park Boulevard

Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline



Authorized for release by:

12/6/2013 5:28:32 PM

Ken Hayes, Project Manager II

(615)301-5035

[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

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[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41560-1  
SDG: 1131-08-554

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-41560-1	Tract 29 SB-1 (4-8)	Solid	10/07/13 13:15	10/08/13 08:30

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# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41560-1  
SDG: 1131-08-554

---

**Job ID: 490-41560-1**

---

**Laboratory: TestAmerica Nashville**

## Narrative

---

**Job Narrative**  
**490-41560-1**

## Comments

No additional comments.

## Receipt

The sample was received on 10/8/2013 8:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice.

## Metals

Method(s) 6010C: Cadmium in the Method Blank for QC Batch 490-125995/1-B was above the MDL but below the RL. Analyte was ND in the client sample and was not effected.

Method(s) 7470A: Analysis of the following sample for Mercury was requested outside of the method-specific holding time: Tract 29 SB-1 (4-8) (490-41560-1).

No other analytical or quality issues were noted.

## Organic Prep

No analytical or quality issues were noted.



# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41560-1  
SDG: 1131-08-554

## Qualifiers

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
H	Sample was prepped or analyzed beyond the specified holding time

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41560-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB-1 (4-8)**

**Lab Sample ID: 490-41560-1**

Date Collected: 10/07/13 13:15

Matrix: Solid

Date Received: 10/08/13 08:30

**Method: 6010C - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0330		0.500	0.0330	mg/L		12/03/13 09:50	12/04/13 15:49	1
<b>Barium</b>	<b>0.341</b>	<b>J</b>	10.0	0.0700	mg/L		12/03/13 09:50	12/04/13 15:49	1
Cadmium	<0.00300		0.100	0.00300	mg/L		12/03/13 09:50	12/04/13 15:49	1
Chromium	<0.0150		0.500	0.0150	mg/L		12/03/13 09:50	12/04/13 15:49	1
Silver	<0.0250		0.500	0.0250	mg/L		12/03/13 09:50	12/04/13 15:49	1
<b>Lead</b>	<b>0.0680</b>	<b>J</b>	0.500	0.0350	mg/L		12/03/13 09:50	12/04/13 15:49	1
Selenium	<0.0400		0.100	0.0400	mg/L		12/03/13 09:50	12/04/13 15:49	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00150	H	0.00200	0.00150	mg/L		12/03/13 13:18	12/05/13 15:14	1

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41560-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 490-126143/1-A**  
**Matrix: Solid**  
**Analysis Batch: 126682**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 126143**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0330		0.500	0.0330	mg/L		12/03/13 09:50	12/04/13 14:47	1
Barium	<0.0700		10.0	0.0700	mg/L		12/03/13 09:50	12/04/13 14:47	1
Cadmium	<0.00300		0.100	0.00300	mg/L		12/03/13 09:50	12/04/13 14:47	1
Chromium	<0.0150		0.500	0.0150	mg/L		12/03/13 09:50	12/04/13 14:47	1
Silver	<0.0250		0.500	0.0250	mg/L		12/03/13 09:50	12/04/13 14:47	1
Lead	<0.0350		0.500	0.0350	mg/L		12/03/13 09:50	12/04/13 14:47	1
Selenium	<0.0400		0.100	0.0400	mg/L		12/03/13 09:50	12/04/13 14:47	1

**Lab Sample ID: LCS 490-126143/3-A**  
**Matrix: Solid**  
**Analysis Batch: 126682**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 126143**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	2.143		mg/L		107	80 - 120
Barium	20.0	21.96		mg/L		110	80 - 120
Cadmium	2.00	2.175		mg/L		109	80 - 120
Chromium	10.0	10.80		mg/L		108	80 - 120
Silver	2.00	2.115		mg/L		106	80 - 120
Lead	10.0	10.95		mg/L		110	80 - 120
Selenium	2.00	2.065		mg/L		103	80 - 120

**Lab Sample ID: LB 490-125995/1-B LB**  
**Matrix: Solid**  
**Analysis Batch: 126682**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 126143**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0330		0.500	0.0330	mg/L		12/03/13 09:50	12/04/13 14:51	1
Barium	<0.0700		10.0	0.0700	mg/L		12/03/13 09:50	12/04/13 14:51	1
Cadmium	0.003000	J	0.100	0.00300	mg/L		12/03/13 09:50	12/04/13 14:51	1
Chromium	<0.0150		0.500	0.0150	mg/L		12/03/13 09:50	12/04/13 14:51	1
Silver	<0.0250		0.500	0.0250	mg/L		12/03/13 09:50	12/04/13 14:51	1
Lead	<0.0350		0.500	0.0350	mg/L		12/03/13 09:50	12/04/13 14:51	1
Selenium	<0.0400		0.100	0.0400	mg/L		12/03/13 09:50	12/04/13 14:51	1

**Lab Sample ID: 490-41491-C-10-C MS**  
**Matrix: Solid**  
**Analysis Batch: 126682**

**Client Sample ID: Matrix Spike**  
**Prep Type: TCLP**  
**Prep Batch: 126143**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<0.0330		2.00	2.147		mg/L		107	75 - 125
Barium	0.426	J	20.0	21.91		mg/L		107	75 - 125
Cadmium	<0.00300		2.00	2.129		mg/L		106	75 - 125
Chromium	<0.0150		10.0	10.52		mg/L		105	75 - 125
Silver	<0.0250		2.00	2.104		mg/L		105	75 - 125
Lead	<0.0350		10.0	10.79		mg/L		108	75 - 125
Selenium	0.0490	J	2.00	2.176		mg/L		106	75 - 125



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41560-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 490-41491-C-10-D MSD

Matrix: Solid

Analysis Batch: 126682

Client Sample ID: Matrix Spike Duplicate

Prep Type: TCLP

Prep Batch: 126143

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Arsenic	<0.0330		2.00	2.173		mg/L		109	75 - 125	1	20
Barium	0.426	J	20.0	22.24		mg/L		109	75 - 125	1	20
Cadmium	<0.00300		2.00	2.180		mg/L		109	75 - 125	2	20
Chromium	<0.0150		10.0	10.69		mg/L		107	75 - 125	2	20
Silver	<0.0250		2.00	2.123		mg/L		106	75 - 125	1	20
Lead	<0.0350		10.0	11.04		mg/L		110	75 - 125	2	20
Selenium	0.0490	J	2.00	2.195		mg/L		107	75 - 125	1	20

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 490-126243/1-A

Matrix: Solid

Analysis Batch: 126935

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126243

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00150		0.00200	0.00150	mg/L		12/03/13 13:18	12/05/13 14:35	1

Lab Sample ID: LCS 490-126243/4-A

Matrix: Solid

Analysis Batch: 126935

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126243

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Mercury	0.0200	0.02292		mg/L		115	80 - 120

Lab Sample ID: LB 490-125995/1-C LB

Matrix: Solid

Analysis Batch: 126935

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 126243

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00150		0.00200	0.00150	mg/L		12/03/13 13:18	12/05/13 14:36	1

Lab Sample ID: 490-41491-C-1-D MS

Matrix: Solid

Analysis Batch: 126935

Client Sample ID: Matrix Spike

Prep Type: TCLP

Prep Batch: 126243

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				Limits
Mercury	<0.00150		0.0200	0.02258		mg/L		113	75 - 125

Lab Sample ID: 490-41491-C-1-E MSD

Matrix: Solid

Analysis Batch: 126935

Client Sample ID: Matrix Spike Duplicate

Prep Type: TCLP

Prep Batch: 126243

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Mercury	<0.00150		0.0200	0.02226		mg/L		111	75 - 125	1	20

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41560-1  
SDG: 1131-08-554

## Metals

### Leach Batch: 125995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-41491-C-1-D MS	Matrix Spike	TCLP	Solid	1311	
490-41491-C-1-E MSD	Matrix Spike Duplicate	TCLP	Solid	1311	
490-41491-C-10-C MS	Matrix Spike	TCLP	Solid	1311	
490-41491-C-10-D MSD	Matrix Spike Duplicate	TCLP	Solid	1311	
490-41560-1	Tract 29 SB-1 (4-8)	TCLP	Solid	1311	
LB 490-125995/1-B LB	Method Blank	TCLP	Solid	1311	
LB 490-125995/1-C LB	Method Blank	TCLP	Solid	1311	

### Prep Batch: 126143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-41491-C-10-C MS	Matrix Spike	TCLP	Solid	3010A	125995
490-41491-C-10-D MSD	Matrix Spike Duplicate	TCLP	Solid	3010A	125995
490-41560-1	Tract 29 SB-1 (4-8)	TCLP	Solid	3010A	125995
LB 490-125995/1-B LB	Method Blank	TCLP	Solid	3010A	125995
LCS 490-126143/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 490-126143/1-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 126243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-41491-C-1-D MS	Matrix Spike	TCLP	Solid	7470A	125995
490-41491-C-1-E MSD	Matrix Spike Duplicate	TCLP	Solid	7470A	125995
490-41560-1	Tract 29 SB-1 (4-8)	TCLP	Solid	7470A	125995
LB 490-125995/1-C LB	Method Blank	TCLP	Solid	7470A	125995
LCS 490-126243/4-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 490-126243/1-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 126682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-41491-C-10-C MS	Matrix Spike	TCLP	Solid	6010C	126143
490-41491-C-10-D MSD	Matrix Spike Duplicate	TCLP	Solid	6010C	126143
490-41560-1	Tract 29 SB-1 (4-8)	TCLP	Solid	6010C	126143
LB 490-125995/1-B LB	Method Blank	TCLP	Solid	6010C	126143
LCS 490-126143/3-A	Lab Control Sample	Total/NA	Solid	6010C	126143
MB 490-126143/1-A	Method Blank	Total/NA	Solid	6010C	126143

### Analysis Batch: 126935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-41491-C-1-D MS	Matrix Spike	TCLP	Solid	7470A	126243
490-41491-C-1-E MSD	Matrix Spike Duplicate	TCLP	Solid	7470A	126243
490-41560-1	Tract 29 SB-1 (4-8)	TCLP	Solid	7470A	126243
LB 490-125995/1-C LB	Method Blank	TCLP	Solid	7470A	126243
LCS 490-126243/4-A	Lab Control Sample	Total/NA	Solid	7470A	126243
MB 490-126243/1-A	Method Blank	Total/NA	Solid	7470A	126243

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41560-1  
SDG: 1131-08-554

**Client Sample ID: Tract 29 SB-1 (4-8)**

**Lab Sample ID: 490-41560-1**

**Date Collected: 10/07/13 13:15**

**Matrix: Solid**

**Date Received: 10/08/13 08:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			1.0 g	1.0 mL	125995	12/02/13 13:43	BLG	TAL NSH
TCLP	Prep	3010A			5 mL	50 mL	126143	12/03/13 09:50	NLI	TAL NSH
TCLP	Analysis	6010C		1	5 mL	50 mL	126682	12/04/13 15:49	DEB	TAL NSH
TCLP	Leach	1311			1.0 g	1.0 mL	125995	12/02/13 13:43	BLG	TAL NSH
TCLP	Prep	7470A			3 mL	30 mL	126243	12/03/13 13:18	LTB	TAL NSH
TCLP	Analysis	7470A		1	3 mL	30 mL	126935	12/05/13 15:14	LTB	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177



# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41560-1  
SDG: 1131-08-554

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177



# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41560-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury

- 1
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- 12
- 13

COOLER RECEIPT FORM



490-41560 Chain of Custody

Cooler Received/Opened On 10/8/2013 @ 0830

1. Tracking # 6815 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA  
 If yes, how many and where: Two front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) DA

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES NO NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (Initial) mm

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) mm

17. Were custody papers properly filled out (Ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) mm

I certify that I attached a label with the unique LIMS number to each container (Initial) mm

21. Were there Non-Conformance Issues at login? YES...NO Was a NCM generated? YES...NO # \_\_\_\_\_

110 - 1000 - 24 - 700 - one vial B.T.S. mm

S16



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-41560-1

SDG Number: 1131-08-554

**Login Number: 41560**

**List Number: 1**

**Creator: Hayes, Ken**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	





# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204  
Tel: (615)726-0177

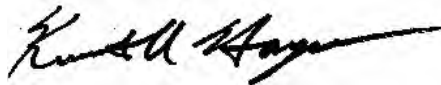
TestAmerica Job ID: 490-41559-1

TestAmerica Sample Delivery Group: 1131-08-554  
Client Project/Site: Port Access Road

For:

S&ME, Inc.  
620 Wando Park Boulevard  
Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline



Authorized for release by:  
12/6/2013 2:11:30 PM

Ken Hayes, Project Manager II  
(615)301-5035  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41559-1  
SDG: 1131-08-554

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-41559-1	Tract 6 SB2 (0-2)	Solid	10/10/13 13:50	10/12/13 08:15

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- 12
- 13

# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41559-1  
SDG: 1131-08-554

---

**Job ID: 490-41559-1**

---

**Laboratory: TestAmerica Nashville**

## Narrative

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**Job Narrative**  
**490-41559-1**

### Comments

No additional comments.

### Receipt

The sample was received on 11/29/2013 11:47 AM; the sample arrived in good condition, properly preserved and, where required, on ice.

### GC Semi VOA

Method(s) 8081B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 126497.

Method(s) 8081B: Analysis of the following sample was requested outside of the method-specific holding time: Tract 6 SB2 (0-2) (490-41559-1).

No other analytical or quality issues were noted.

### Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 126497.

No other analytical or quality issues were noted.



# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41559-1  
SDG: 1131-08-554

## Qualifiers

### GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41559-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (0-2)**

**Lab Sample ID: 490-41559-1**

**Date Collected: 10/10/13 13:50**

**Matrix: Solid**

**Date Received: 10/12/13 08:15**

**Method: 8081B - Organochlorine Pesticides (GC) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.000700	H	0.00100	0.000700	mg/L		12/04/13 12:20	12/06/13 10:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		38 - 150				12/04/13 12:20	12/06/13 10:13	1
DCB Decachlorobiphenyl (Surr)	108		10 - 141				12/04/13 12:20	12/06/13 10:13	1

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41559-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC)

**Lab Sample ID: MB 490-126497/2-A**

**Matrix: Solid**

**Analysis Batch: 126943**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 126497**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.000700		0.00100	0.000700	mg/L		12/04/13 12:20	12/06/13 09:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	86		38 - 150	12/04/13 12:20	12/06/13 09:25	1
DCB Decachlorobiphenyl (Surr)	102		10 - 141	12/04/13 12:20	12/06/13 09:25	1

**Lab Sample ID: LCS 490-126497/3-A**

**Matrix: Solid**

**Analysis Batch: 126943**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 126497**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	88		38 - 150
DCB Decachlorobiphenyl (Surr)	81		10 - 141

**Lab Sample ID: LCS 490-126497/4-A**

**Matrix: Solid**

**Analysis Batch: 126943**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 126497**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlordane (technical)	0.0500	0.05554		mg/L		111	49 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	88		38 - 150
DCB Decachlorobiphenyl (Surr)	84		10 - 141

**Lab Sample ID: LB 490-125991/1-C LB**

**Matrix: Solid**

**Analysis Batch: 126943**

**Client Sample ID: Method Blank**

**Prep Type: TCLP**

**Prep Batch: 126497**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.000700		0.00100	0.000700	mg/L		12/04/13 12:20	12/06/13 09:13	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73		38 - 150	12/04/13 12:20	12/06/13 09:13	1
DCB Decachlorobiphenyl (Surr)	91		10 - 141	12/04/13 12:20	12/06/13 09:13	1

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41559-1  
SDG: 1131-08-554

## GC Semi VOA

### Leach Batch: 125991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-41559-1	Tract 6 SB2 (0-2)	TCLP	Solid	1311	
LB 490-125991/1-C LB	Method Blank	TCLP	Solid	1311	

### Prep Batch: 126497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-41559-1	Tract 6 SB2 (0-2)	TCLP	Solid	3510C	125991
LB 490-125991/1-C LB	Method Blank	TCLP	Solid	3510C	125991
LCS 490-126497/3-A	Lab Control Sample	Total/NA	Solid	3510C	
LCS 490-126497/4-A	Lab Control Sample	Total/NA	Solid	3510C	
MB 490-126497/2-A	Method Blank	Total/NA	Solid	3510C	

### Analysis Batch: 126943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-41559-1	Tract 6 SB2 (0-2)	TCLP	Solid	8081B	126497
LB 490-125991/1-C LB	Method Blank	TCLP	Solid	8081B	126497
LCS 490-126497/3-A	Lab Control Sample	Total/NA	Solid	8081B	126497
LCS 490-126497/4-A	Lab Control Sample	Total/NA	Solid	8081B	126497
MB 490-126497/2-A	Method Blank	Total/NA	Solid	8081B	126497



# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41559-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB2 (0-2)**

**Lab Sample ID: 490-41559-1**

**Date Collected: 10/10/13 13:50**

**Matrix: Solid**

**Date Received: 10/12/13 08:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	3510C			100 mL	10 mL	126497	12/04/13 12:20	RCH	TAL NSH
TCLP	Analysis	8081B		1	100 mL	10 mL	126943	12/06/13 10:13	WAM	TAL NSH
TCLP	Leach	1311			1.0 g	1.0 mL	125991	12/02/13 13:39	BLG	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

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# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41559-1  
SDG: 1131-08-554

---

Method	Method Description	Protocol	Laboratory
8081B	Organochlorine Pesticides (GC)	SW846	TAL NSH

---

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177



# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-41559-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

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COOLER RECEIPT FORM



41559

Cooler Received/Opened On 10/12/2013 @ 0815

1. Tracking # 0719 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 1.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: (2) Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) MDM

7. Were custody seals on containers: YES NO and intact YES...NO NA

Were these signed and dated correctly? YES...NO NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES NO NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (Initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) MDM

I certify that I attached a label with the unique LIMS number to each container (Initial) MDM

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES...NO...#

**COOLER RECEIPT FORM**

Cooler Received/Opened On 10/12/2013 @ 0815

1. Tracking # 0720 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 2.5 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: (2) Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) MBM

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (Initial) MBM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) MBM

17. Were custody papers properly filled out (Ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) MBM

I certify that I attached a label with the unique LIMS number to each container (Initial) MBM

21. Were there Non-Conformance Issues at login? YES...NO... Was a NCM generated? YES...NO...# \_\_\_\_\_

**COOLER RECEIPT FORM**

Cooler Received/Opened On 10/12/2013@ 0815

1. Tracking # 0888 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO...NA

If yes, how many and where: one front

5. Were the seals intact, signed, and dated correctly? YES NO...NA

6. Were custody papers inside cooler? YES NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES NO and Intact YES...NO NA

Were these signed and dated correctly? YES...NO NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO...NA

12. Did all container labels and tags agree with custody papers? YES NO...NA

13a. Were VOA vials received? YES NO...NA

b. Was there any observable headspace present in any VOA vial? YES NO...NA

14. Was there a Trip Blank in this cooler? YES NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO...NA

16. Was residual chlorine present? YES NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

17. Were custody papers properly filled out (Ink, signed, etc)? YES NO...NA

18. Did you sign the custody papers in the appropriate place? YES NO...NA

19. Were correct containers used for the analysis requested? YES NO...NA

20. Was sufficient amount of sample sent in each container? YES NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container. (initial) MDM

21. Were there Non-Conformance Issues at login? YES NO Was a NCM generated? YES NO..#



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-41559-1

SDG Number: 1131-08-554

**Login Number: 41559**

**List Number: 1**

**Creator: Hayes, Ken**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5/1.1/1.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	





# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204  
Tel: (615)726-0177

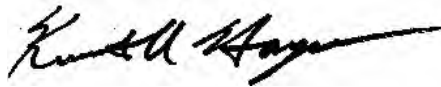
TestAmerica Job ID: 490-39869-1

TestAmerica Sample Delivery Group: 1131-08-554  
Client Project/Site: Port Access Road

For:

S&ME, Inc.  
620 Wando Park Boulevard  
Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline



Authorized for release by:  
11/21/2013 11:39:47 AM

Ken Hayes, Project Manager II  
(615)301-5035  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-39869-1	Tract 6 SB1-(0-2)	Soil	10/10/13 10:35	10/11/13 12:38
490-39869-2	Tract 6 SB1-(10-14)	Soil	10/10/13 10:45	10/11/13 12:38

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# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

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**Job ID: 490-39869-1**

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**Laboratory: TestAmerica Nashville**

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**Narrative**

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**Job Narrative**  
**490-39869-1**

**Comments**

Reporting TCLP RCRA 8 Metals analysis performed on sample Tract 6 SB-1 (0-2) and TCLP Arsenic on sample Tract 6 SB-1 (10-14) at client's request.

No additional comments.

**Receipt**

The samples were received on 10/12/2013 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

**Metals**

7470A: TCLP extraction for Mercury on sample Tract 6 SB-1 (0-2) (490-39869-1) was performed beyond the 28-day hold time with client approval.

No analytical or quality issues were noted.



# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

## Qualifiers

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
H	Sample was prepped or analyzed beyond the specified holding time

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(0-2)**

**Lab Sample ID: 490-39869-1**

Date Collected: 10/10/13 10:35

Matrix: Soil

Date Received: 10/11/13 12:38

**Method: 6010C - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0330		0.500	0.0330	mg/L		11/13/13 10:26	11/14/13 06:25	1
<b>Barium</b>	<b>0.481</b>	<b>J</b>	10.0	0.0700	mg/L		11/13/13 10:26	11/14/13 06:25	1
Cadmium	<0.00300		0.100	0.00300	mg/L		11/13/13 10:26	11/14/13 06:25	1
Chromium	<0.0150		0.500	0.0150	mg/L		11/13/13 10:26	11/14/13 06:25	1
Silver	<0.0250		0.500	0.0250	mg/L		11/13/13 10:26	11/14/13 06:25	1
<b>Lead</b>	<b>0.0420</b>	<b>J</b>	0.500	0.0350	mg/L		11/13/13 10:26	11/14/13 06:25	1
<b>Selenium</b>	<b>0.0410</b>	<b>J</b>	0.100	0.0400	mg/L		11/13/13 10:26	11/14/13 06:25	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00150	H	0.00200	0.00150	mg/L		11/13/13 13:44	11/14/13 15:35	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(10-14)**

**Lab Sample ID: 490-39869-2**

**Date Collected: 10/10/13 10:45**

**Matrix: Soil**

**Date Received: 10/11/13 12:38**

**Method: 6010C - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0330		0.500	0.0330	mg/L		11/19/13 09:46	11/20/13 11:54	1

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# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 490-121540/1-A**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 121540**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0330		0.500	0.0330	mg/L		11/13/13 10:26	11/14/13 04:54	1
Barium	<0.0700		10.0	0.0700	mg/L		11/13/13 10:26	11/14/13 04:54	1
Cadmium	<0.00300		0.100	0.00300	mg/L		11/13/13 10:26	11/14/13 04:54	1
Chromium	<0.0150		0.500	0.0150	mg/L		11/13/13 10:26	11/14/13 04:54	1
Silver	<0.0250		0.500	0.0250	mg/L		11/13/13 10:26	11/14/13 04:54	1
Lead	<0.0350		0.500	0.0350	mg/L		11/13/13 10:26	11/14/13 04:54	1
Selenium	<0.0400		0.100	0.0400	mg/L		11/13/13 10:26	11/14/13 04:54	1

**Lab Sample ID: LCS 490-121540/4-A**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 121540**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	1.974		mg/L		99	80 - 120
Barium	20.0	20.79		mg/L		104	80 - 120
Cadmium	2.00	2.068		mg/L		103	80 - 120
Chromium	10.0	10.39		mg/L		104	80 - 120
Silver	2.00	2.081		mg/L		104	80 - 120
Lead	10.0	10.40		mg/L		104	80 - 120
Selenium	2.00	1.946		mg/L		97	80 - 120

**Lab Sample ID: MB 490-122974/1-A**  
**Matrix: Solid**  
**Analysis Batch: 123309**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 122974**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0330		0.500	0.0330	mg/L		11/19/13 09:46	11/19/13 15:56	1

**Lab Sample ID: LCS 490-122974/4-A**  
**Matrix: Solid**  
**Analysis Batch: 123309**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 122974**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	2.054		mg/L		103	80 - 120

**Lab Sample ID: LCSD 490-122974/5-A**  
**Matrix: Solid**  
**Analysis Batch: 123309**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 122974**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	2.00	2.072		mg/L		104	80 - 120	1	20

**Lab Sample ID: LB 490-121162/1-B LB**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 121534**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0330		0.500	0.0330	mg/L		11/13/13 10:22	11/14/13 03:18	1
Barium	<0.0700		10.0	0.0700	mg/L		11/13/13 10:22	11/14/13 03:18	1

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LB 490-121162/1-B LB**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 121534**

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	<0.00300		0.100	0.00300	mg/L		11/13/13 10:22	11/14/13 03:18	1
Chromium	<0.0150		0.500	0.0150	mg/L		11/13/13 10:22	11/14/13 03:18	1
Silver	<0.0250		0.500	0.0250	mg/L		11/13/13 10:22	11/14/13 03:18	1
Lead	<0.0350		0.500	0.0350	mg/L		11/13/13 10:22	11/14/13 03:18	1
Selenium	<0.0400		0.100	0.0400	mg/L		11/13/13 10:22	11/14/13 03:18	1

**Lab Sample ID: LB 490-121329/1-B LB**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 121540**

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.0330		0.500	0.0330	mg/L		11/13/13 10:26	11/14/13 04:57	1
Barium	<0.0700		10.0	0.0700	mg/L		11/13/13 10:26	11/14/13 04:57	1
Cadmium	<0.00300		0.100	0.00300	mg/L		11/13/13 10:26	11/14/13 04:57	1
Chromium	<0.0150		0.500	0.0150	mg/L		11/13/13 10:26	11/14/13 04:57	1
Silver	<0.0250		0.500	0.0250	mg/L		11/13/13 10:26	11/14/13 04:57	1
Lead	<0.0350		0.500	0.0350	mg/L		11/13/13 10:26	11/14/13 04:57	1
Selenium	<0.0400		0.100	0.0400	mg/L		11/13/13 10:26	11/14/13 04:57	1

**Lab Sample ID: 490-39500-A-1-C MS**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Matrix Spike**  
**Prep Type: TCLP**  
**Prep Batch: 121540**

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Arsenic	<0.0330		2.00	2.141		mg/L		107	75 - 125	
Barium	1.18	J	20.0	21.80		mg/L		103	75 - 125	
Cadmium	0.239		2.00	2.392		mg/L		108	75 - 125	
Chromium	<0.0150		10.0	10.70		mg/L		107	75 - 125	
Silver	<0.0250		2.00	2.216		mg/L		111	75 - 125	
Lead	<0.0350		10.0	11.00		mg/L		110	75 - 125	
Selenium	1.03		2.00	3.115		mg/L		104	75 - 125	

**Lab Sample ID: 490-39500-A-1-D MSD**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: TCLP**  
**Prep Batch: 121540**

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec.	Limits	RPD	
	Result	Qualifier		Result	Qualifier						RPD	Limit
Arsenic	<0.0330		2.00	2.155		mg/L		108	75 - 125	1	20	
Barium	1.18	J	20.0	21.53		mg/L		102	75 - 125	1	20	
Cadmium	0.239		2.00	2.361		mg/L		106	75 - 125	1	20	
Chromium	<0.0150		10.0	10.52		mg/L		105	75 - 125	2	20	
Silver	<0.0250		2.00	2.183		mg/L		109	75 - 125	2	20	
Lead	<0.0350		10.0	10.83		mg/L		108	75 - 125	2	20	
Selenium	1.03		2.00	3.144		mg/L		106	75 - 125	1	20	

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LB 490-122850/1-B LB  
Matrix: Solid  
Analysis Batch: 123309

Client Sample ID: Method Blank  
Prep Type: TCLP  
Prep Batch: 122974

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0330		0.500	0.0330	mg/L		11/19/13 09:46	11/19/13 16:00	1

Lab Sample ID: 490-40281-A-2-C MS  
Matrix: Solid  
Analysis Batch: 123309

Client Sample ID: Matrix Spike  
Prep Type: TCLP  
Prep Batch: 122974

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<0.0330		2.00	2.210		mg/L		111	75 - 125

Lab Sample ID: 490-40281-A-2-D MSD  
Matrix: Solid  
Analysis Batch: 123309

Client Sample ID: Matrix Spike Duplicate  
Prep Type: TCLP  
Prep Batch: 122974

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	<0.0330		2.00	2.209		mg/L		110	75 - 125	0	20

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 490-121649/1-A  
Matrix: Solid  
Analysis Batch: 122100

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 121649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00150		0.00200	0.00150	mg/L		11/13/13 13:44	11/14/13 15:24	1

Lab Sample ID: LCS 490-121649/4-A  
Matrix: Solid  
Analysis Batch: 122100

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 121649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0200	0.02287		mg/L		114	80 - 120

Lab Sample ID: LB 490-121162/1-C LB  
Matrix: Solid  
Analysis Batch: 122100

Client Sample ID: Method Blank  
Prep Type: TCLP  
Prep Batch: 121649

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00150		0.00200	0.00150	mg/L		11/13/13 13:44	11/14/13 15:25	1

Lab Sample ID: 490-39866-D-1-D MS  
Matrix: Solid  
Analysis Batch: 122100

Client Sample ID: Matrix Spike  
Prep Type: TCLP  
Prep Batch: 121649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00150		0.0200	0.02361		mg/L		118	75 - 125

# QC Sample Results

Client: S&ME, Inc.  
 Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
 SDG: 1131-08-554

## Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 490-39866-D-1-E MSD  
 Matrix: Solid  
 Analysis Batch: 122100

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: TCLP  
 Prep Batch: 121649

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00150		0.0200	0.02261		mg/L		113	75 - 125	4	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

## Metals

### Leach Batch: 121162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39866-D-1-D MS	Matrix Spike	TCLP	Solid	1311	
490-39866-D-1-E MSD	Matrix Spike Duplicate	TCLP	Solid	1311	
490-39869-1	Tract 6 SB1-(0-2)	TCLP	Soil	1311	
LB 490-121162/1-B LB	Method Blank	TCLP	Solid	1311	
LB 490-121162/1-C LB	Method Blank	TCLP	Solid	1311	

### Leach Batch: 121329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39500-A-1-C MS	Matrix Spike	TCLP	Solid	1311	
490-39500-A-1-D MSD	Matrix Spike Duplicate	TCLP	Solid	1311	
LB 490-121329/1-B LB	Method Blank	TCLP	Solid	1311	

### Prep Batch: 121534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 490-121162/1-B LB	Method Blank	TCLP	Solid	3010A	121162

### Prep Batch: 121540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39500-A-1-C MS	Matrix Spike	TCLP	Solid	3010A	121329
490-39500-A-1-D MSD	Matrix Spike Duplicate	TCLP	Solid	3010A	121329
490-39869-1	Tract 6 SB1-(0-2)	TCLP	Soil	3010A	121162
LB 490-121329/1-B LB	Method Blank	TCLP	Solid	3010A	121329
LCS 490-121540/4-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 490-121540/1-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 121649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39866-D-1-D MS	Matrix Spike	TCLP	Solid	7470A	121162
490-39866-D-1-E MSD	Matrix Spike Duplicate	TCLP	Solid	7470A	121162
490-39869-1	Tract 6 SB1-(0-2)	TCLP	Soil	7470A	121162
LB 490-121162/1-C LB	Method Blank	TCLP	Solid	7470A	121162
LCS 490-121649/4-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 490-121649/1-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 121815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39500-A-1-C MS	Matrix Spike	TCLP	Solid	6010C	121540
490-39500-A-1-D MSD	Matrix Spike Duplicate	TCLP	Solid	6010C	121540
490-39869-1	Tract 6 SB1-(0-2)	TCLP	Soil	6010C	121540
LB 490-121162/1-B LB	Method Blank	TCLP	Solid	6010C	121534
LB 490-121329/1-B LB	Method Blank	TCLP	Solid	6010C	121540
LCS 490-121540/4-A	Lab Control Sample	Total/NA	Solid	6010C	121540
MB 490-121540/1-A	Method Blank	Total/NA	Solid	6010C	121540

### Analysis Batch: 122100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39866-D-1-D MS	Matrix Spike	TCLP	Solid	7470A	121649
490-39866-D-1-E MSD	Matrix Spike Duplicate	TCLP	Solid	7470A	121649
490-39869-1	Tract 6 SB1-(0-2)	TCLP	Soil	7470A	121649
LB 490-121162/1-C LB	Method Blank	TCLP	Solid	7470A	121649
LCS 490-121649/4-A	Lab Control Sample	Total/NA	Solid	7470A	121649

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 122100 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-121649/1-A	Method Blank	Total/NA	Solid	7470A	121649

### Leach Batch: 122850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39869-2	Tract 6 SB1-(10-14)	TCLP	Soil	1311	
490-40281-A-2-C MS	Matrix Spike	TCLP	Solid	1311	
490-40281-A-2-D MSD	Matrix Spike Duplicate	TCLP	Solid	1311	
LB 490-122850/1-B LB	Method Blank	TCLP	Solid	1311	

### Prep Batch: 122974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39869-2	Tract 6 SB1-(10-14)	TCLP	Soil	3010A	122850
490-40281-A-2-C MS	Matrix Spike	TCLP	Solid	3010A	122850
490-40281-A-2-D MSD	Matrix Spike Duplicate	TCLP	Solid	3010A	122850
LB 490-122850/1-B LB	Method Blank	TCLP	Solid	3010A	122850
LCS 490-122974/4-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 490-122974/5-A	Lab Control Sample Dup	Total/NA	Solid	3010A	
MB 490-122974/1-A	Method Blank	Total/NA	Solid	3010A	

### Analysis Batch: 123309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-40281-A-2-C MS	Matrix Spike	TCLP	Solid	6010C	122974
490-40281-A-2-D MSD	Matrix Spike Duplicate	TCLP	Solid	6010C	122974
LB 490-122850/1-B LB	Method Blank	TCLP	Solid	6010C	122974
LCS 490-122974/4-A	Lab Control Sample	Total/NA	Solid	6010C	122974
LCSD 490-122974/5-A	Lab Control Sample Dup	Total/NA	Solid	6010C	122974
MB 490-122974/1-A	Method Blank	Total/NA	Solid	6010C	122974

### Analysis Batch: 123459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39869-2	Tract 6 SB1-(10-14)	TCLP	Soil	6010C	122974

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

**Client Sample ID: Tract 6 SB1-(0-2)**

**Lab Sample ID: 490-39869-1**

**Date Collected: 10/10/13 10:35**

**Matrix: Soil**

**Date Received: 10/11/13 12:38**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			121162	11/12/13 14:52	SJM	TAL NSH
TCLP	Prep	3010A			121540	11/13/13 10:26	JBD	TAL NSH
TCLP	Analysis	6010C		1	121815	11/14/13 06:25	DEB	TAL NSH
TCLP	Leach	1311			121162	11/12/13 14:52	SJM	TAL NSH
TCLP	Prep	7470A			121649	11/13/13 13:44	LTB	TAL NSH
TCLP	Analysis	7470A		1	122100	11/14/13 15:35	LTB	TAL NSH

**Client Sample ID: Tract 6 SB1-(10-14)**

**Lab Sample ID: 490-39869-2**

**Date Collected: 10/10/13 10:45**

**Matrix: Soil**

**Date Received: 10/11/13 12:38**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			122850	11/18/13 14:55	BLG	TAL NSH
TCLP	Prep	3010A			122974	11/19/13 09:46	JBD	TAL NSH
TCLP	Analysis	6010C		1	123459	11/20/13 11:54	DEB	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177



# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39869-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but certification is not offered by the governing authority:

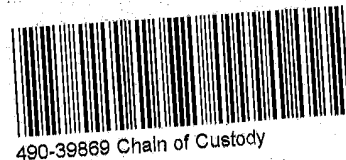
Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Soil	Mercury
7470A	7470A	Solid	Mercury





**COOLER RECEIPT FORM**

34969 Charleston



Cooler Received/Opened On 10/12/2013 @ 0815

1. Tracking # 0719 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 1.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: (2) Front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) MDM

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO..NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (Initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) MDM

I certify that I attached a label with the unique LIMS number to each container (Initial) MDM

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO..#

**COOLER RECEIPT FORM**

Cooler Received/Opened On 10/12/2013 @ 0815

1. Tracking # 0720 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 2.5 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: (2) Front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) mbm

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (Initial) mbm

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) mbm

17. Were custody papers properly filled out (lnk, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) mbm

I certify that I attached a label with the unique LIMS number to each container (Initial) mbm

21. Were there Non-Conformance Issues at login? YES...NO... Was a NCM generated? YES...NO...# \_\_\_\_\_

**COOLER RECEIPT FORM**

Cooler Received/Opened On 10/12/2013@ 0815

1. Tracking # 0888 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO...NA

If yes, how many and where: one front

5. Were the seals intact, signed, and dated correctly? YES NO...NA

6. Were custody papers inside cooler? YES NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

21. Were there Non-Conformance issues at login? YES..NO Was a NCM generated? YES..NO..#



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-39869-1

SDG Number: 1131-08-554

**Login Number: 39869**

**List Number: 1**

**Creator: Hayes, Ken**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville

2960 Foster Creighton Drive

Nashville, TN 37204

Tel: (615)726-0177

TestAmerica Job ID: 490-39860-1

TestAmerica Sample Delivery Group: 1131-08-554

Client Project/Site: Port Access Road

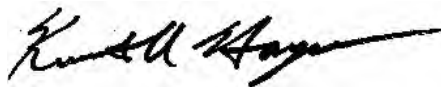
For:

S&ME, Inc.

620 Wando Park Boulevard

Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline



Authorized for release by:

11/20/2013 1:04:45 PM

Ken Hayes, Project Manager II

(615)301-5035

[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39860-1  
SDG: 1131-08-554

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-39860-2	TRACT 29 SB-1 (4-8)	Soil	10/07/13 15:15	10/08/13 10:30

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# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39860-1  
SDG: 1131-08-554

---

**Job ID: 490-39860-1**

---

**Laboratory: TestAmerica Nashville**

---

**Narrative**

**Job Narrative**  
**490-39860-1**

**Comments**

Reporting TCLP Lead as a reflex at client's request.

No additional comments.

**Receipt**

The sample was received on 10/8/2013 10:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

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## Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39860-1  
SDG: 1131-08-554

### Qualifiers

#### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39860-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 29 SB-1 (4-8)**

**Lab Sample ID: 490-39860-2**

**Date Collected: 10/07/13 15:15**

**Matrix: Soil**

**Date Received: 10/08/13 10:30**

**Method: 6010C - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.432	J	0.500	0.0350	mg/L		11/19/13 09:46	11/19/13 17:09	1

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# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39860-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 490-122974/1-A**  
**Matrix: Solid**  
**Analysis Batch: 123309**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 122974**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0350		0.500	0.0350	mg/L		11/19/13 09:46	11/19/13 15:56	1

**Lab Sample ID: LCS 490-122974/4-A**  
**Matrix: Solid**  
**Analysis Batch: 123309**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 122974**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	10.0	10.69		mg/L		107	80 - 120

**Lab Sample ID: LCSD 490-122974/5-A**  
**Matrix: Solid**  
**Analysis Batch: 123309**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 122974**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	10.0	10.73		mg/L		107	80 - 120	0	20

**Lab Sample ID: LB 490-122850/1-B LB**  
**Matrix: Solid**  
**Analysis Batch: 123309**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 122974**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0350		0.500	0.0350	mg/L		11/19/13 09:46	11/19/13 16:00	1

**Lab Sample ID: 490-40281-A-2-C MS**  
**Matrix: Solid**  
**Analysis Batch: 123309**

**Client Sample ID: Matrix Spike**  
**Prep Type: TCLP**  
**Prep Batch: 122974**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.137	J	10.0	11.26		mg/L		111	75 - 125

**Lab Sample ID: 490-40281-A-2-D MSD**  
**Matrix: Solid**  
**Analysis Batch: 123309**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: TCLP**  
**Prep Batch: 122974**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.137	J	10.0	11.26		mg/L		111	75 - 125	0	20

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39860-1  
SDG: 1131-08-554

## Metals

### Leach Batch: 122850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39860-2	TRACT 29 SB-1 (4-8)	TCLP	Soil	1311	
490-40281-A-2-C MS	Matrix Spike	TCLP	Solid	1311	
490-40281-A-2-D MSD	Matrix Spike Duplicate	TCLP	Solid	1311	
LB 490-122850/1-B LB	Method Blank	TCLP	Solid	1311	

### Prep Batch: 122974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39860-2	TRACT 29 SB-1 (4-8)	TCLP	Soil	3010A	122850
490-40281-A-2-C MS	Matrix Spike	TCLP	Solid	3010A	122850
490-40281-A-2-D MSD	Matrix Spike Duplicate	TCLP	Solid	3010A	122850
LB 490-122850/1-B LB	Method Blank	TCLP	Solid	3010A	122850
LCS 490-122974/4-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 490-122974/5-A	Lab Control Sample Dup	Total/NA	Solid	3010A	
MB 490-122974/1-A	Method Blank	Total/NA	Solid	3010A	

### Analysis Batch: 123309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39860-2	TRACT 29 SB-1 (4-8)	TCLP	Soil	6010C	122974
490-40281-A-2-C MS	Matrix Spike	TCLP	Solid	6010C	122974
490-40281-A-2-D MSD	Matrix Spike Duplicate	TCLP	Solid	6010C	122974
LB 490-122850/1-B LB	Method Blank	TCLP	Solid	6010C	122974
LCS 490-122974/4-A	Lab Control Sample	Total/NA	Solid	6010C	122974
LCSD 490-122974/5-A	Lab Control Sample Dup	Total/NA	Solid	6010C	122974
MB 490-122974/1-A	Method Blank	Total/NA	Solid	6010C	122974

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39860-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 29 SB-1 (4-8)**

**Lab Sample ID: 490-39860-2**

**Date Collected: 10/07/13 15:15**

**Matrix: Soil**

**Date Received: 10/08/13 10:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			122850	11/18/13 14:55	BLG	TAL NSH
TCLP	Prep	3010A			122974	11/19/13 09:46	JBD	TAL NSH
TCLP	Analysis	6010C		1	123309	11/19/13 17:09	DEB	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

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# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39860-1  
SDG: 1131-08-554

---

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL NSH

---

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177



# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39860-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

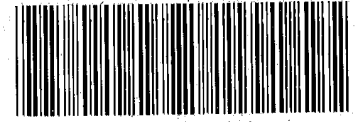
Analysis Method	Prep Method	Matrix	Analyte
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**COOLER RECEIPT FORM**

**Charleston**  
 71860



Cooler Received/Opened On 10/8/2013@ 0830

1. Tracking # 6815 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.2 Degrees Celsius

3. If item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO...NA

If yes, how many and where: Two front

5. Were the seals intact, signed, and dated correctly? YES NO...NA

6. Were custody papers inside cooler? YES NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) DA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (Initial) mm

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) mm

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) mm

I certify that I attached a label with the unique LIMS number to each container (Initial) mm

21. Were there Non-Conformance Issues at login? YES...NO Was a NCM generated? YES...NO # \_\_\_\_\_

#10 Time 29-70-1 - one vial B.I.S. mm



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-39860-1

SDG Number: 1131-08-554

**Login Number: 39860**

**List Number: 1**

**Creator: Hayes, Ken**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

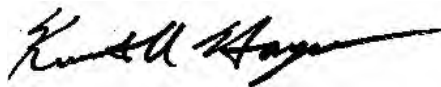
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204  
Tel: (615)726-0177

TestAmerica Job ID: 490-39866-1  
TestAmerica Sample Delivery Group: 1131-08-554  
Client Project/Site: Port Access Road

For:  
S&ME, Inc.  
620 Wando Park Boulevard  
Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline



Authorized for release by:  
11/19/2013 10:29:56 AM

Ken Hayes, Project Manager II  
(615)301-5035  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

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results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39866-1  
SDG: 1131-08-554

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-39866-1	Tract 33 SB2 0-2	Soil	10/09/13 09:30	10/10/13 12:27

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# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39866-1  
SDG: 1131-08-554

---

**Job ID: 490-39866-1**

---

**Laboratory: TestAmerica Nashville**

---

**Narrative**

**Job Narrative**  
**490-39866-1**

**Comments**

Reporting data for TCLP RCRA 8 Metals on sample Tract 33 SB-2 (0-2) at client's request.

No additional comments.

**Receipt**

The sample was received on 10/10/2013 12:27 PM; the sample arrived in good condition, properly preserved and, where required, on ice.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

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# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39866-1  
SDG: 1131-08-554

## Qualifiers

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
H	Sample was prepped or analyzed beyond the specified holding time

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)



# Client Sample Results

Client: S&ME, Inc.  
 Project/Site: Port Access Road

TestAmerica Job ID: 490-39866-1  
 SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 0-2**

**Lab Sample ID: 490-39866-1**

Date Collected: 10/09/13 09:30

Matrix: Soil

Date Received: 10/10/13 12:27

**Method: 6010C - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0330		0.500	0.0330	mg/L		11/13/13 10:22	11/14/13 04:45	1
<b>Barium</b>	<b>0.480</b>	<b>J</b>	10.0	0.0700	mg/L		11/13/13 10:22	11/14/13 04:45	1
Cadmium	<0.00300		0.100	0.00300	mg/L		11/13/13 10:22	11/14/13 04:45	1
<b>Chromium</b>	<b>0.0340</b>	<b>J</b>	0.500	0.0150	mg/L		11/13/13 10:22	11/14/13 04:45	1
Silver	<0.0250		0.500	0.0250	mg/L		11/13/13 10:22	11/14/13 04:45	1
<b>Lead</b>	<b>0.0490</b>	<b>J</b>	0.500	0.0350	mg/L		11/13/13 10:22	11/14/13 04:45	1
<b>Selenium</b>	<b>0.0460</b>	<b>J</b>	0.100	0.0400	mg/L		11/13/13 10:22	11/14/13 04:45	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00150	H	0.00200	0.00150	mg/L		11/13/13 13:44	11/14/13 15:30	1

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39866-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 490-121534/1-A**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 121534**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0330		0.500	0.0330	mg/L		11/13/13 10:22	11/14/13 03:14	1
Barium	<0.0700		10.0	0.0700	mg/L		11/13/13 10:22	11/14/13 03:14	1
Cadmium	<0.00300		0.100	0.00300	mg/L		11/13/13 10:22	11/14/13 03:14	1
Chromium	<0.0150		0.500	0.0150	mg/L		11/13/13 10:22	11/14/13 03:14	1
Silver	<0.0250		0.500	0.0250	mg/L		11/13/13 10:22	11/14/13 03:14	1
Lead	<0.0350		0.500	0.0350	mg/L		11/13/13 10:22	11/14/13 03:14	1
Selenium	<0.0400		0.100	0.0400	mg/L		11/13/13 10:22	11/14/13 03:14	1

**Lab Sample ID: LCS 490-121534/3-A**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 121534**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	2.072		mg/L		104	80 - 120
Barium	20.0	21.40		mg/L		107	80 - 120
Cadmium	2.00	2.102		mg/L		105	80 - 120
Chromium	10.0	10.48		mg/L		105	80 - 120
Silver	2.00	2.134		mg/L		107	80 - 120
Lead	10.0	10.60		mg/L		106	80 - 120
Selenium	2.00	2.009		mg/L		100	80 - 120

**Lab Sample ID: LB 490-121162/1-B LB**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 121534**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0330		0.500	0.0330	mg/L		11/13/13 10:22	11/14/13 03:18	1
Barium	<0.0700		10.0	0.0700	mg/L		11/13/13 10:22	11/14/13 03:18	1
Cadmium	<0.00300		0.100	0.00300	mg/L		11/13/13 10:22	11/14/13 03:18	1
Chromium	<0.0150		0.500	0.0150	mg/L		11/13/13 10:22	11/14/13 03:18	1
Silver	<0.0250		0.500	0.0250	mg/L		11/13/13 10:22	11/14/13 03:18	1
Lead	<0.0350		0.500	0.0350	mg/L		11/13/13 10:22	11/14/13 03:18	1
Selenium	<0.0400		0.100	0.0400	mg/L		11/13/13 10:22	11/14/13 03:18	1

**Lab Sample ID: 400-82540-A-1-M MS**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Matrix Spike**  
**Prep Type: TCLP**  
**Prep Batch: 121534**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<0.0330		2.00	2.102		mg/L		105	75 - 125
Barium	0.761	J	20.0	21.32		mg/L		103	75 - 125
Cadmium	<0.00300		2.00	2.101		mg/L		105	75 - 125
Chromium	<0.0150		10.0	10.18		mg/L		102	75 - 125
Silver	<0.0250		2.00	2.090		mg/L		105	75 - 125
Lead	1.80		10.0	12.32		mg/L		105	75 - 125
Selenium	<0.0400		2.00	2.083		mg/L		104	75 - 125

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39866-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 400-82540-A-1-N MSD**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: TCLP**  
**Prep Batch: 121534**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
Arsenic	<0.0330		2.00	2.094		mg/L		105	75 - 125	0	20	
Barium	0.761	J	20.0	21.41		mg/L		103	75 - 125	0	20	
Cadmium	<0.00300		2.00	2.101		mg/L		105	75 - 125	0	20	
Chromium	<0.0150		10.0	10.27		mg/L		103	75 - 125	1	20	
Silver	<0.0250		2.00	2.096		mg/L		105	75 - 125	0	20	
Lead	1.80		10.0	12.45		mg/L		107	75 - 125	1	20	
Selenium	<0.0400		2.00	2.111		mg/L		106	75 - 125	1	20	

**Lab Sample ID: LB 490-121161/1-B LB**  
**Matrix: Solid**  
**Analysis Batch: 121815**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 121540**

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.0330		0.500	0.0330	mg/L		11/13/13 10:26	11/14/13 05:01	1
Barium	<0.0700		10.0	0.0700	mg/L		11/13/13 10:26	11/14/13 05:01	1
Cadmium	<0.00300		0.100	0.00300	mg/L		11/13/13 10:26	11/14/13 05:01	1
Chromium	<0.0150		0.500	0.0150	mg/L		11/13/13 10:26	11/14/13 05:01	1
Silver	<0.0250		0.500	0.0250	mg/L		11/13/13 10:26	11/14/13 05:01	1
Lead	<0.0350		0.500	0.0350	mg/L		11/13/13 10:26	11/14/13 05:01	1
Selenium	<0.0400		0.100	0.0400	mg/L		11/13/13 10:26	11/14/13 05:01	1

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 490-121649/1-A**  
**Matrix: Solid**  
**Analysis Batch: 122100**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 121649**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00150		0.00200	0.00150	mg/L		11/13/13 13:44	11/14/13 15:24	1

**Lab Sample ID: LCS 490-121649/4-A**  
**Matrix: Solid**  
**Analysis Batch: 122100**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 121649**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
							Result
Mercury	0.0200	0.02287		mg/L		114	80 - 120

**Lab Sample ID: LB 490-121162/1-C LB**  
**Matrix: Solid**  
**Analysis Batch: 122100**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 121649**

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00150		0.00200	0.00150	mg/L		11/13/13 13:44	11/14/13 15:25	1

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39866-1  
SDG: 1131-08-554

## Method: 7470A - Mercury (CVAA) (Continued)

**Lab Sample ID: 490-39866-1 MS**  
**Matrix: Soil**  
**Analysis Batch: 122100**

**Client Sample ID: Tract 33 SB2 0-2**  
**Prep Type: TCLP**  
**Prep Batch: 121649**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00150	H	0.0200	0.02361		mg/L		118	75 - 125

**Lab Sample ID: 490-39866-1 MSD**  
**Matrix: Soil**  
**Analysis Batch: 122100**

**Client Sample ID: Tract 33 SB2 0-2**  
**Prep Type: TCLP**  
**Prep Batch: 121649**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00150	H	0.0200	0.02261		mg/L		113	75 - 125	4	20

- 1
- 2
- 3
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- 13

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39866-1  
SDG: 1131-08-554

## Metals

### Leach Batch: 121161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-82540-A-1-M MS	Matrix Spike	TCLP	Solid	1311	
400-82540-A-1-N MSD	Matrix Spike Duplicate	TCLP	Solid	1311	
LB 490-121161/1-B LB	Method Blank	TCLP	Solid	1311	

### Leach Batch: 121162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39866-1	Tract 33 SB2 0-2	TCLP	Soil	1311	
490-39866-1 MS	Tract 33 SB2 0-2	TCLP	Soil	1311	
490-39866-1 MSD	Tract 33 SB2 0-2	TCLP	Soil	1311	
LB 490-121162/1-B LB	Method Blank	TCLP	Solid	1311	
LB 490-121162/1-C LB	Method Blank	TCLP	Solid	1311	

### Prep Batch: 121534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-82540-A-1-M MS	Matrix Spike	TCLP	Solid	3010A	121161
400-82540-A-1-N MSD	Matrix Spike Duplicate	TCLP	Solid	3010A	121161
490-39866-1	Tract 33 SB2 0-2	TCLP	Soil	3010A	121162
LB 490-121162/1-B LB	Method Blank	TCLP	Solid	3010A	121162
LCS 490-121534/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 490-121534/1-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 121540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 490-121161/1-B LB	Method Blank	TCLP	Solid	3010A	121161

### Prep Batch: 121649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39866-1	Tract 33 SB2 0-2	TCLP	Soil	7470A	121162
490-39866-1 MS	Tract 33 SB2 0-2	TCLP	Soil	7470A	121162
490-39866-1 MSD	Tract 33 SB2 0-2	TCLP	Soil	7470A	121162
LB 490-121162/1-C LB	Method Blank	TCLP	Solid	7470A	121162
LCS 490-121649/4-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 490-121649/1-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 121815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-82540-A-1-M MS	Matrix Spike	TCLP	Solid	6010C	121534
400-82540-A-1-N MSD	Matrix Spike Duplicate	TCLP	Solid	6010C	121534
490-39866-1	Tract 33 SB2 0-2	TCLP	Soil	6010C	121534
LB 490-121161/1-B LB	Method Blank	TCLP	Solid	6010C	121540
LB 490-121162/1-B LB	Method Blank	TCLP	Solid	6010C	121534
LCS 490-121534/3-A	Lab Control Sample	Total/NA	Solid	6010C	121534
MB 490-121534/1-A	Method Blank	Total/NA	Solid	6010C	121534

### Analysis Batch: 122100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-39866-1	Tract 33 SB2 0-2	TCLP	Soil	7470A	121649
490-39866-1 MS	Tract 33 SB2 0-2	TCLP	Soil	7470A	121649
490-39866-1 MSD	Tract 33 SB2 0-2	TCLP	Soil	7470A	121649
LB 490-121162/1-C LB	Method Blank	TCLP	Solid	7470A	121649
LCS 490-121649/4-A	Lab Control Sample	Total/NA	Solid	7470A	121649

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39866-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 122100 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-121649/1-A	Method Blank	Total/NA	Solid	7470A	121649

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39866-1  
SDG: 1131-08-554

**Client Sample ID: Tract 33 SB2 0-2**

**Lab Sample ID: 490-39866-1**

**Date Collected: 10/09/13 09:30**

**Matrix: Soil**

**Date Received: 10/10/13 12:27**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			121162	11/12/13 14:52	SJM	TAL NSH
TCLP	Prep	3010A			121534	11/13/13 10:22	JBD	TAL NSH
TCLP	Analysis	6010C		1	121815	11/14/13 04:45	DEB	TAL NSH
TCLP	Leach	1311			121162	11/12/13 14:52	SJM	TAL NSH
TCLP	Prep	7470A			121649	11/13/13 13:44	LTB	TAL NSH
TCLP	Analysis	7470A		1	122100	11/14/13 15:30	LTB	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39866-1  
SDG: 1131-08-554

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177





# Certification Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-39866-1  
SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Soil	Mercury
7470A	7470A	Solid	Mercury

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

**COOLER RECEIPT FORM**



Cooler Received/Opened On 10/10/2013 @ 8:15

1. Tracking # 2236 (last 4 digits, FedEx)
- Courier:      FedEx      IR Gun ID 17960357
2. Temperature of rep. sample or temp blank when opened: 2.1 Degrees Celsius
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)
4. Were custody seals on outside of cooler? (YES)...NO...NA  
 If yes, how many and where: 2 Front
5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA
6. Were custody papers inside cooler? (YES)...NO...NA
- I certify that I opened the cooler and answered questions 1-6 (Initial) ASH
7. Were custody seals on containers: YES (NO) and intact YES...NO (NA)  
 Were these signed and dated correctly? YES...NO (NA)
8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None
9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry Ice Other None
10. Did all containers arrive in good condition (unbroken)? YES (NO)...NA
11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA
12. Did all container labels and tags agree with custody papers? (YES)...NO...NA
- 13a. Were VOA vials received? (YES)...NO...NA  
 b. Was there any observable headspace present in any VOA vial? YES (NO)...NA
14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # 2
- I certify that I unloaded the cooler and answered questions 7-14 (Initial) MDM
- 15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO (NA)  
 b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA
16. Was residual chlorine present? YES.. (NO)...NA
- I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) MDM
17. Were custody papers properly filled out (Ink, signed, etc)? (YES)...NO...NA
18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA
19. Were correct containers used for the analysis requested? (YES)...NO...NA
20. Was sufficient amount of sample sent in each container? (YES)...NO...NA
- I certify that I entered this project into LIMS and answered questions 17-20 (Initial) MDM
- I certify that I attached a label with the unique LIMS number to each container (Initial) MDM
21. Were there Non-Conformance Issues at login? YES (NO) Was a NCM generated? YES (NO)..#

**COOLER RECEIPT FORM**

Cooler Received/Opened On 10/10/2013 @ 8:15

1. Tracking # 1891 (last 4 digits, FedEx)  
Courier: FedEx IR Gun ID 17960357
2. Temperature of rep. sample or temp blank when opened: 1.6 Degrees Celsius
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO  NA
4. Were custody seals on outside of cooler?  YES...NO...NA  
If yes, how many and where: 2 Front
5. Were the seals intact, signed, and dated correctly?  YES...NO...NA
6. Were custody papers inside cooler?  YES...NO...NA  
I certify that I opened the cooler and answered questions 1-6 (Initial) AJH
7. Were custody seals on containers: YES  NO and intact YES...NO... NA  
Were these signed and dated correctly? YES...NO... NA
8. Packing mat'l used?  Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None
9. Cooling process:  Ice Ice-pack Ice (direct contact) Dry Ice Other None
10. Did all containers arrive in good condition (unbroken)?  YES  NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA
12. Did all container labels and tags agree with custody papers?  YES...NO...NA
- 13a. Were VOA vials received?  YES...NO...NA  
b. Was there any observable headspace present in any VOA vial? YES  NO...NA
14. Was there a Trip Blank in this cooler?  YES...NO...NA If multiple coolers, sequence # 1  
I certify that I unloaded the cooler and answered questions 7-14 (Initial) msm
- 15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO.. NA  
b. Did the bottle labels indicate that the correct preservatives were used  YES...NO...NA
16. Was residual chlorine present? YES.. NO...NA  
I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) msm
17. Were custody papers properly filled out (Ink, signed, etc)?  YES...NO...NA
18. Did you sign the custody papers in the appropriate place?  YES...NO...NA
19. Were correct containers used for the analysis requested?  YES...NO...NA
20. Was sufficient amount of sample sent in each container?  YES...NO...NA  
I certify that I entered this project into LIMS and answered questions 17-20 (Initial) msm  
I certify that I attached a label with the unique LIMS number to each container (Initial) msm
21. Were there Non-Conformance issues at login? YES.. NO Was a NCM generated? YES.. NO..#  
#10 TFACT 33 TW-3 20.24 one amber liter. B-T-S. msm

**COOLER RECEIPT FOR**

Cooler Received/Opened On: 10/10/2013 @0815

1. Tracking # 1961 (last 4 dlghts, FedEx)

Courier: Fed-Ex IR Gun ID: 14740456

2. Temperature of rep. sample or temp blank when opened: 3.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) EF

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

17. Were custody papers properly filled out (Ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

21. Were there Non-Conformance Issues at login? YES...NO Was a NCM generated? YES...NO...# \_\_\_\_\_







## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-39866-1

SDG Number: 1131-08-554

**Login Number: 39866**

**List Number: 1**

**Creator: Hayes, Ken**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

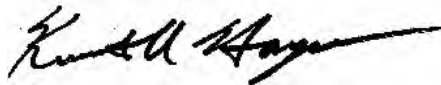
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204  
Tel: (615)726-0177

TestAmerica Job ID: 490-67111-1  
TestAmerica Sample Delivery Group: 1131-08-554  
Client Project/Site: Port Access Road

For:  
S&ME, Inc.  
620 Wando Park Boulevard  
Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline



Authorized for release by:  
12/22/2014 10:34:54 AM

Ken Hayes, Project Manager II  
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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-67111-1	TRACT 4D SB-1 (0-2)	Soil	11/21/14 10:20	11/22/14 08:40
490-67111-2	TRACT 4D SB-1 (6-10)	Soil	11/21/14 10:35	11/22/14 08:40
490-67111-3	Trip Blank	Water	11/21/14 01:01	11/22/14 08:40

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# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Job ID: 490-67111-1**

**Laboratory: TestAmerica Nashville**

## Narrative

### Job Narrative 490-67111-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 11/22/2014 8:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

#### GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 208949 recovered outside control limits for the following analytes: methyl acetate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 208949 recovered outside control limits for the following analytes: dichlorobromomethane

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 209880 recovered above the upper control limit for multiple analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 490-209880/3), TRACT 4D SB-1 (6-10) (490-67111-2).

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 209880 recovered outside control limits for the following analytes: 1,2,3-trichlorobenzene and tetrachloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 209880 recovered outside control limits for the following analytes: toluene, bromomethane and tetrachloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 209880 recovered outside control limits for the following analytes: chloromethane

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 209880

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC/MS Semi VOA

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for batch 209390 were outside control limits for Benzaldehyde. Sample matrix interference and/or non-homogeneity are suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC Semi VOA

Method(s) 8081B: The following sample(s) was diluted due to the nature of the sample matrix: TRACT 4D SB-1 (0-2) (490-67111-1). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The continuing calibration verification (CCV) associated with batch 212364 recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: TRACT 4D SB-1 (0-2) (490-67111-1), TRACT 4D SB-1 (6-10) (490-67111-2).

Method(s) 8081B: Surrogate recovery for the following sample(s) was outside control limits: TRACT 4D SB-1 (0-2) (490-67111-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

## Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

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### Job ID: 490-67111-1 (Continued)

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#### Laboratory: TestAmerica Nashville (Continued)

Method(s) 8081B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 209847 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8082A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 209397 recovered outside control limits for the following analytes: 1016. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

Method(s) 6010C: The method blank for batch 214150 contained Na above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD exceeds the control limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

### GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

### Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
B	Compound was found in the blank and sample.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit

# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-671111-1  
SDG: 1131-08-554

## Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4D SB-1 (0-2)**

**Lab Sample ID: 490-67111-1**

**Date Collected: 11/21/14 10:20**

**Matrix: Soil**

**Date Received: 11/22/14 08:40**

**Percent Solids: 88.4**

**Method: 8260B - TCL VOA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0428		0.0535	0.0428	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Benzene	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Bromochloromethane	<0.000588		0.00214	0.000588	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Bromodichloromethane	<0.000588	*	0.00214	0.000588	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Bromoform	<0.000588		0.00214	0.000588	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Bromomethane	<0.00128		0.00214	0.00128	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
2-Butanone (MEK)	<0.00545		0.0535	0.00545	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Carbon disulfide	<0.00385		0.00535	0.00385	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Carbon tetrachloride	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Chlorobenzene	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Chlorodibromomethane	<0.000364		0.00214	0.000364	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Chloroethane	<0.00203		0.00535	0.00203	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Chloroform	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Chloromethane	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
cis-1,2-Dichloroethene	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
cis-1,3-Dichloropropene	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Cyclohexane	<0.00353		0.0107	0.00353	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,2-Dibromo-3-Chloropropane	<0.000749		0.00535	0.000749	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,2-Dibromoethane (EDB)	<0.00107		0.00214	0.00107	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,2-Dichlorobenzene	<0.000364		0.00214	0.000364	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,3-Dichlorobenzene	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,4-Dichlorobenzene	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Dichlorodifluoromethane	<0.00107		0.00214	0.00107	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,1-Dichloroethane	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,2-Dichloroethane	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,1-Dichloroethene	<0.000609		0.00214	0.000609	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,2-Dichloropropane	<0.00101		0.00214	0.00101	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Ethylbenzene	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
2-Hexanone	<0.0179		0.0535	0.0179	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Isopropylbenzene	<0.000438		0.00214	0.000438	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Methyl acetate	<0.00257	*	0.0107	0.00257	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Methylcyclohexane	<0.00353		0.0107	0.00353	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
<b>Methylene Chloride</b>	<b>0.0270</b>		0.0107	0.000920	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
4-Methyl-2-pentanone (MIBK)	<0.0182		0.0535	0.0182	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Methyl tert-butyl ether	<0.00103		0.00214	0.00103	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Styrene	<0.00118		0.00214	0.00118	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,1,2,2-Tetrachloroethane	<0.00107		0.00214	0.00107	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Tetrachloroethene	<0.000781		0.00214	0.000781	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Toluene	<0.000791		0.00214	0.000791	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
trans-1,2-Dichloroethene	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
trans-1,3-Dichloropropene	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,2,3-Trichlorobenzene	<0.000406		0.00214	0.000406	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,2,4-Trichlorobenzene	<0.000716		0.00214	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,1,1-Trichloroethane	<0.000984		0.00214	0.000984	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,1,2-Trichloroethane	<0.00150		0.00535	0.00150	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Trichloroethene	<0.00103		0.00214	0.00103	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Trichlorofluoromethane	<0.00107		0.00214	0.00107	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000845		0.00214	0.000845	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Vinyl chloride	<0.00118		0.00214	0.00118	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4D SB-1 (0-2)**

**Lab Sample ID: 490-67111-1**

Date Collected: 11/21/14 10:20

Matrix: Soil

Date Received: 11/22/14 08:40

Percent Solids: 88.4

**Method: 8260B - TCL VOA (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000716		0.00321	0.000716	mg/Kg	☼	11/25/14 11:09	11/25/14 20:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				11/25/14 11:09	11/25/14 20:54	1
Dibromofluoromethane (Surr)	99		70 - 130				11/25/14 11:09	11/25/14 20:54	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 130				11/25/14 11:09	11/25/14 20:54	1
Toluene-d8 (Surr)	98		70 - 130				11/25/14 11:09	11/25/14 20:54	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00994		0.0666	0.00994	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Acenaphthylene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Acetophenone	<0.0696		0.331	0.0696	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Anthracene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Atrazine	<0.166		0.331	0.166	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Benzaldehyde	<0.284		1.66	0.284	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Benzo[a]anthracene	<0.0149		0.0666	0.0149	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Benzo[a]pyrene	<0.0119		0.0666	0.0119	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
<b>Benzo[b]fluoranthene</b>	<b>0.0385</b>	<b>J</b>	0.0666	0.0119	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Benzo[g,h,i]perylene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Benzo[k]fluoranthene	<0.0139		0.0666	0.0139	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Biphenyl	<0.103		0.331	0.103	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Bis(2-chloroethoxy)methane	<0.0119		0.331	0.0119	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Bis(2-chloroethyl)ether	<0.0199		0.331	0.0199	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
bis (2-chloroisopropyl) ether	<0.133		0.331	0.133	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.115</b>	<b>J</b>	0.331	0.0129	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
4-Bromophenyl phenyl ether	<0.0169		0.331	0.0169	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Butyl benzyl phthalate	<0.0159		0.331	0.0159	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Caprolactam	<0.107		0.331	0.107	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Carbazole	<0.00696		0.331	0.00696	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
4-Chloroaniline	<0.165		0.331	0.165	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
4-Chloro-3-methylphenol	<0.0159		0.331	0.0159	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2-Chloronaphthalene	<0.0169		0.331	0.0169	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2-Chlorophenol	<0.0149		0.331	0.0149	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
4-Chlorophenyl phenyl ether	<0.0239		0.331	0.0239	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Chrysene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Dibenz(a,h)anthracene	<0.00696		0.0666	0.00696	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Dibenzofuran	<0.0129		0.331	0.0129	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
3,3'-Dichlorobenzidine	<0.132		0.663	0.132	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2,4-Dichlorophenol	<0.0169		0.331	0.0169	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Diethyl phthalate	<0.0139		0.331	0.0139	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2,4-Dimethylphenol	<0.191		0.331	0.191	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Dimethyl phthalate	<0.00796		1.66	0.00796	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Di-n-butyl phthalate	<0.0129		0.331	0.0129	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
4,6-Dinitro-2-methylphenol	<0.102		0.331	0.102	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2,4-Dinitrophenol	<0.109		0.331	0.109	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2,4-Dinitrotoluene	<0.00895		0.331	0.00895	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2,6-Dinitrotoluene	<0.0308		0.331	0.0308	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Di-n-octyl phthalate	<0.0129		0.331	0.0129	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Fluoranthene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4D SB-1 (0-2)**

**Lab Sample ID: 490-67111-1**

**Date Collected: 11/21/14 10:20**

**Matrix: Soil**

**Date Received: 11/22/14 08:40**

**Percent Solids: 88.4**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0119		0.0666	0.0119	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Hexachlorobenzene	<0.0288		0.331	0.0288	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Hexachlorobutadiene	<0.0696		0.331	0.0696	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Hexachlorocyclopentadiene	<0.0159		0.331	0.0159	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Hexachloroethane	<0.0199		0.331	0.0199	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Indeno[1,2,3-cd]pyrene	<0.00994		0.0666	0.00994	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Isophorone	<0.0587		0.331	0.0587	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2-Methylnaphthalene	<0.0159		0.0666	0.0159	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2-Methylphenol	<0.0925		0.331	0.0925	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
3 & 4 Methylphenol	<0.0199		0.331	0.0199	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Naphthalene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2-Nitroaniline	<0.0179		0.828	0.0179	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
3-Nitroaniline	<0.147		0.828	0.147	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
4-Nitroaniline	<0.0298		0.828	0.0298	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Nitrobenzene	<0.0169		0.331	0.0169	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2-Nitrophenol	<0.0129		0.331	0.0129	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
4-Nitrophenol	<0.0149		0.331	0.0149	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
N-Nitrosodi-n-propylamine	<0.0209		0.331	0.0209	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0159		0.331	0.0159	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Pentachlorophenol	<0.124		0.828	0.124	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Phenanthrene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
<b>Phenol</b>	<b>0.0340</b>	<b>J</b>	0.331	0.0139	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Pyrene	<0.0119		0.0666	0.0119	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
1,2,4,5-Tetrachlorobenzene	<0.257		1.66	0.257	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2,3,4,6-Tetrachlorophenol	<0.168		0.331	0.168	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2,4,5-Trichlorophenol	<0.0169		0.828	0.0169	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
2,4,6-Trichlorophenol	<0.0249		0.331	0.0249	mg/Kg	☼	11/26/14 11:29	11/28/14 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	68		29 - 120				11/26/14 11:29	11/28/14 18:06	1
2-Fluorophenol (Surr)	76		10 - 120				11/26/14 11:29	11/28/14 18:06	1
Nitrobenzene-d5 (Surr)	74		27 - 120				11/26/14 11:29	11/28/14 18:06	1
Phenol-d5 (Surr)	80		10 - 120				11/26/14 11:29	11/28/14 18:06	1
Terphenyl-d14 (Surr)	70		13 - 120				11/26/14 11:29	11/28/14 18:06	1
2,4,6-Tribromophenol (Surr)	84		10 - 120				11/26/14 11:29	11/28/14 18:06	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00308		0.0169	0.00308	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
alpha-BHC	<0.00199		0.0169	0.00199	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
beta-BHC	<0.00199		0.0169	0.00199	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
delta-BHC	<0.00378		0.0169	0.00378	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
gamma-BHC (Lindane)	<0.00388		0.0169	0.00388	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
alpha-Chlordane	<0.00427		0.0169	0.00427	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
gamma-Chlordane	<0.00785		0.0169	0.00785	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
Chlordane (technical)	<0.361		0.497	0.361	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
4,4'-DDD	<0.00427		0.0169	0.00427	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
4,4'-DDE	<0.00497		0.0169	0.00497	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
4,4'-DDT	<0.00845		0.0169	0.00845	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4D SB-1 (0-2)**

**Lab Sample ID: 490-67111-1**

**Date Collected: 11/21/14 10:20**

**Matrix: Soil**

**Date Received: 11/22/14 08:40**

**Percent Solids: 88.4**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00398		0.0169	0.00398	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
Endosulfan I	<0.00467		0.0169	0.00467	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
Endosulfan II	<0.00547		0.0169	0.00547	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
Endosulfan sulfate	<0.00497		0.0169	0.00497	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
Endrin	<0.00427		0.0169	0.00427	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
Endrin aldehyde	<0.00507		0.0169	0.00507	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
Endrin ketone	<0.00586		0.0169	0.00586	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
Heptachlor	<0.00417		0.0169	0.00417	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
Heptachlor epoxide	<0.00646		0.0169	0.00646	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
Methoxychlor	<0.00487		0.0328	0.00487	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10
Toxaphene	<0.419		0.663	0.419	mg/Kg	☼	11/28/14 15:52	12/08/14 23:06	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	37		21 - 145	11/28/14 15:52	12/08/14 23:06	10
DCB Decachlorobiphenyl (Surr)	15	pX	25 - 150	11/28/14 15:52	12/08/14 23:06	10

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0113	*	0.0377	0.0113	mg/Kg	☼	11/26/14 11:45	11/29/14 11:29	1
PCB-1221	<0.0113		0.0377	0.0113	mg/Kg	☼	11/26/14 11:45	11/29/14 11:29	1
PCB-1232	<0.0226		0.0377	0.0226	mg/Kg	☼	11/26/14 11:45	11/29/14 11:29	1
PCB-1242	<0.0113		0.0377	0.0113	mg/Kg	☼	11/26/14 11:45	11/29/14 11:29	1
PCB-1248	<0.0113		0.0377	0.0113	mg/Kg	☼	11/26/14 11:45	11/29/14 11:29	1
PCB-1254	<0.0113		0.0377	0.0113	mg/Kg	☼	11/26/14 11:45	11/29/14 11:29	1
PCB-1260	<0.0113		0.0377	0.0113	mg/Kg	☼	11/26/14 11:45	11/29/14 11:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	79		20 - 150	11/26/14 11:45	11/29/14 11:29	1
Tetrachloro-m-xylene	71		19 - 147	11/26/14 11:45	11/29/14 11:29	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6980		22.8	11.4	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Antimony	3.88	J	11.4	1.14	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Arsenic	8.16		2.28	1.03	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Barium	39.2		2.26	1.81	mg/Kg	☼	12/19/14 10:15	12/19/14 16:49	1
Beryllium	0.456	J	1.14	0.456	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Cadmium	2.05		1.14	0.114	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Calcium	43400		228	114	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Chromium	20.7		1.14	0.684	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Cobalt	<1.14		2.28	1.14	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Copper	12.5		2.28	1.14	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Iron	5980		45.6	22.8	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Lead	138	B	1.14	0.570	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Magnesium	387		228	114	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Manganese	56.2		3.42	1.14	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Nickel	3.37		2.28	0.684	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Potassium	381		228	114	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Selenium	<1.14		2.28	1.14	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Silver	<0.570		1.14	0.570	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-671111-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4D SB-1 (0-2)**

**Lab Sample ID: 490-671111-1**

**Date Collected: 11/21/14 10:20**

**Matrix: Soil**

**Date Received: 11/22/14 08:40**

**Percent Solids: 88.4**

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	274	B	228	114	mg/Kg	☼	12/15/14 11:42	12/17/14 18:26	1
Thallium	<1.14		2.28	1.14	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Vanadium	22.6		11.4	2.28	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1
Zinc	47.8		11.4	6.84	mg/Kg	☼	12/15/14 11:42	12/17/14 06:38	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0853	J	0.110	0.0330	mg/Kg	☼	12/12/14 11:52	12/15/14 16:17	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10	0.10	%			11/25/14 13:05	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4D SB-1 (6-10)**

**Lab Sample ID: 490-67111-2**

Date Collected: 11/21/14 10:35

Matrix: Soil

Date Received: 11/22/14 08:40

Percent Solids: 74.0

**Method: 8260B - TCL VOA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0433		0.0542	0.0433	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Benzene	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Bromochloromethane	<0.000596		0.00217	0.000596	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Bromodichloromethane	<0.000596		0.00217	0.000596	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Bromoform	<0.000596		0.00217	0.000596	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Bromomethane	<0.00130	*	0.00217	0.00130	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
2-Butanone (MEK)	<0.00553		0.0542	0.00553	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Carbon disulfide	<0.00390		0.00542	0.00390	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Carbon tetrachloride	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Chlorobenzene	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Chlorodibromomethane	<0.000368		0.00217	0.000368	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Chloroethane	<0.00206		0.00542	0.00206	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Chloroform	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Chloromethane	<0.000726	*	0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
cis-1,2-Dichloroethene	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
cis-1,3-Dichloropropene	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Cyclohexane	<0.00358		0.0108	0.00358	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,2-Dibromo-3-Chloropropane	<0.000758		0.00542	0.000758	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,2-Dibromoethane (EDB)	<0.00108		0.00217	0.00108	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,2-Dichlorobenzene	<0.000368		0.00217	0.000368	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,3-Dichlorobenzene	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,4-Dichlorobenzene	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Dichlorodifluoromethane	<0.00108		0.00217	0.00108	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,1-Dichloroethane	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,2-Dichloroethane	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,1-Dichloroethene	<0.000618		0.00217	0.000618	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,2-Dichloropropane	<0.00102		0.00217	0.00102	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Ethylbenzene	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
2-Hexanone	<0.0181		0.0542	0.0181	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Isopropylbenzene	<0.000444		0.00217	0.000444	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Methyl acetate	<0.00260		0.0108	0.00260	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Methylcyclohexane	<0.00358		0.0108	0.00358	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
<b>Methylene Chloride</b>	<b>0.00306</b>	<b>J</b>	0.0108	0.000932	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
4-Methyl-2-pentanone (MIBK)	<0.0184		0.0542	0.0184	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Methyl tert-butyl ether	<0.00104		0.00217	0.00104	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Styrene	<0.00119		0.00217	0.00119	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,1,2,2-Tetrachloroethane	<0.00108		0.00217	0.00108	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Tetrachloroethene	<0.000791	*	0.00217	0.000791	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Toluene	<0.000802	*	0.00217	0.000802	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
trans-1,2-Dichloroethene	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
trans-1,3-Dichloropropene	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,2,3-Trichlorobenzene	<0.000412	*	0.00217	0.000412	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,2,4-Trichlorobenzene	<0.000726		0.00217	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,1,1-Trichloroethane	<0.000997		0.00217	0.000997	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,1,2-Trichloroethane	<0.00152		0.00542	0.00152	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Trichloroethene	<0.00104		0.00217	0.00104	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Trichlorofluoromethane	<0.00108		0.00217	0.00108	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000856		0.00217	0.000856	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Vinyl chloride	<0.00119		0.00217	0.00119	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4D SB-1 (6-10)**

**Lab Sample ID: 490-67111-2**

**Date Collected: 11/21/14 10:35**

**Matrix: Soil**

**Date Received: 11/22/14 08:40**

**Percent Solids: 74.0**

**Method: 8260B - TCL VOA (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000726		0.00325	0.000726	mg/Kg	☼	11/25/14 11:09	11/29/14 01:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				11/25/14 11:09	11/29/14 01:06	1
Dibromofluoromethane (Surr)	101		70 - 130				11/25/14 11:09	11/29/14 01:06	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 130				11/25/14 11:09	11/29/14 01:06	1
Toluene-d8 (Surr)	96		70 - 130				11/25/14 11:09	11/29/14 01:06	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00993		0.0665	0.00993	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Acenaphthylene	<0.00893		0.0665	0.00893	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Acetophenone	<0.0695		0.331	0.0695	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Anthracene	<0.00893		0.0665	0.00893	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Atrazine	<0.166		0.331	0.166	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Benzaldehyde	<0.284		1.66	0.284	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Benzo[a]anthracene	<0.0149		0.0665	0.0149	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Benzo[a]pyrene	<0.0119		0.0665	0.0119	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Benzo[b]fluoranthene	<0.0119		0.0665	0.0119	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Benzo[g,h,i]perylene	<0.00893		0.0665	0.00893	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Benzo[k]fluoranthene	<0.0139		0.0665	0.0139	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Biphenyl	<0.103		0.331	0.103	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Bis(2-chloroethoxy)methane	<0.0119		0.331	0.0119	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Bis(2-chloroethyl)ether	<0.0199		0.331	0.0199	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
bis (2-chloroisopropyl) ether	<0.133		0.331	0.133	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.0404</b>	<b>J</b>	0.331	0.0129	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
4-Bromophenyl phenyl ether	<0.0169		0.331	0.0169	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Butyl benzyl phthalate	<0.0159		0.331	0.0159	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Caprolactam	<0.107		0.331	0.107	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Carbazole	<0.00695		0.331	0.00695	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
4-Chloroaniline	<0.165		0.331	0.165	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
4-Chloro-3-methylphenol	<0.0159		0.331	0.0159	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2-Chloronaphthalene	<0.0169		0.331	0.0169	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2-Chlorophenol	<0.0149		0.331	0.0149	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
4-Chlorophenyl phenyl ether	<0.0238		0.331	0.0238	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Chrysene	<0.00893		0.0665	0.00893	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Dibenz(a,h)anthracene	<0.00695		0.0665	0.00695	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Dibenzofuran	<0.0129		0.331	0.0129	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
3,3'-Dichlorobenzidine	<0.132		0.662	0.132	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2,4-Dichlorophenol	<0.0169		0.331	0.0169	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Diethyl phthalate	<0.0139		0.331	0.0139	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2,4-Dimethylphenol	<0.191		0.331	0.191	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Dimethyl phthalate	<0.00794		1.66	0.00794	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Di-n-butyl phthalate	<0.0129		0.331	0.0129	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
4,6-Dinitro-2-methylphenol	<0.102		0.331	0.102	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2,4-Dinitrophenol	<0.109		0.331	0.109	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2,4-Dinitrotoluene	<0.00893		0.331	0.00893	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2,6-Dinitrotoluene	<0.0308		0.331	0.0308	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Di-n-octyl phthalate	<0.0129		0.331	0.0129	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Fluoranthene	<0.00893		0.0665	0.00893	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4D SB-1 (6-10)**

**Lab Sample ID: 490-67111-2**

**Date Collected: 11/21/14 10:35**

**Matrix: Soil**

**Date Received: 11/22/14 08:40**

**Percent Solids: 74.0**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0119		0.0665	0.0119	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Hexachlorobenzene	<0.0288		0.331	0.0288	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Hexachlorobutadiene	<0.0695		0.331	0.0695	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Hexachlorocyclopentadiene	<0.0159		0.331	0.0159	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Hexachloroethane	<0.0199		0.331	0.0199	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Indeno[1,2,3-cd]pyrene	<0.00993		0.0665	0.00993	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Isophorone	<0.0586		0.331	0.0586	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2-Methylnaphthalene	<0.0159		0.0665	0.0159	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2-Methylphenol	<0.0923		0.331	0.0923	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
3 & 4 Methylphenol	<0.0199		0.331	0.0199	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Naphthalene	<0.00893		0.0665	0.00893	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2-Nitroaniline	<0.0179		0.827	0.0179	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
3-Nitroaniline	<0.147		0.827	0.147	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
4-Nitroaniline	<0.0298		0.827	0.0298	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Nitrobenzene	<0.0169		0.331	0.0169	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2-Nitrophenol	<0.0129		0.331	0.0129	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
4-Nitrophenol	<0.0149		0.331	0.0149	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
N-Nitrosodi-n-propylamine	<0.0208		0.331	0.0208	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0159		0.331	0.0159	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Pentachlorophenol	<0.124		0.827	0.124	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Phenanthrene	<0.00893		0.0665	0.00893	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Phenol	<0.0139		0.331	0.0139	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Pyrene	<0.0119		0.0665	0.0119	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
1,2,4,5-Tetrachlorobenzene	<0.256		1.66	0.256	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2,3,4,6-Tetrachlorophenol	<0.168		0.331	0.168	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2,4,5-Trichlorophenol	<0.0169		0.827	0.0169	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
2,4,6-Trichlorophenol	<0.0248		0.331	0.0248	mg/Kg	☼	11/26/14 11:29	11/28/14 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		29 - 120				11/26/14 11:29	11/28/14 18:29	1
2-Fluorophenol (Surr)	81		10 - 120				11/26/14 11:29	11/28/14 18:29	1
Nitrobenzene-d5 (Surr)	81		27 - 120				11/26/14 11:29	11/28/14 18:29	1
Phenol-d5 (Surr)	81		10 - 120				11/26/14 11:29	11/28/14 18:29	1
Terphenyl-d14 (Surr)	79		13 - 120				11/26/14 11:29	11/28/14 18:29	1
2,4,6-Tribromophenol (Surr)	88		10 - 120				11/26/14 11:29	11/28/14 18:29	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000300		0.00165	0.000300	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
alpha-BHC	<0.000194		0.00165	0.000194	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
beta-BHC	<0.000194		0.00165	0.000194	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
delta-BHC	<0.000368		0.00165	0.000368	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
gamma-BHC (Lindane)	<0.000378		0.00165	0.000378	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
alpha-Chlordane	<0.000416		0.00165	0.000416	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
gamma-Chlordane	<0.000765		0.00165	0.000765	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
Chlordane (technical)	<0.0352		0.0484	0.0352	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
4,4'-DDD	<0.000416		0.00165	0.000416	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
4,4'-DDE	<0.000484		0.00165	0.000484	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
4,4'-DDT	<0.000823		0.00165	0.000823	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4D SB-1 (6-10)**

**Lab Sample ID: 490-67111-2**

Date Collected: 11/21/14 10:35

Matrix: Soil

Date Received: 11/22/14 08:40

Percent Solids: 74.0

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000387		0.00165	0.000387	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
Endosulfan I	<0.000455		0.00165	0.000455	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
Endosulfan II	<0.000533		0.00165	0.000533	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
Endosulfan sulfate	<0.000484		0.00165	0.000484	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
Endrin	<0.000416		0.00165	0.000416	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
Endrin aldehyde	<0.000494		0.00165	0.000494	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
Endrin ketone	<0.000571		0.00165	0.000571	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
Heptachlor	<0.000407		0.00165	0.000407	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
Heptachlor epoxide	<0.000630		0.00165	0.000630	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
Methoxychlor	<0.000475		0.00320	0.000475	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1
Toxaphene	<0.0409		0.0646	0.0409	mg/Kg	☼	11/28/14 15:52	12/08/14 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	66		21 - 145	11/28/14 15:52	12/08/14 23:42	1
DCB Decachlorobiphenyl (Surr)	64		25 - 150	11/28/14 15:52	12/08/14 23:42	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0131	*	0.0436	0.0131	mg/Kg	☼	11/26/14 11:45	11/29/14 11:52	1
PCB-1221	<0.0131		0.0436	0.0131	mg/Kg	☼	11/26/14 11:45	11/29/14 11:52	1
PCB-1232	<0.0262		0.0436	0.0262	mg/Kg	☼	11/26/14 11:45	11/29/14 11:52	1
PCB-1242	<0.0131		0.0436	0.0131	mg/Kg	☼	11/26/14 11:45	11/29/14 11:52	1
PCB-1248	<0.0131		0.0436	0.0131	mg/Kg	☼	11/26/14 11:45	11/29/14 11:52	1
PCB-1254	<0.0131		0.0436	0.0131	mg/Kg	☼	11/26/14 11:45	11/29/14 11:52	1
PCB-1260	<0.0131		0.0436	0.0131	mg/Kg	☼	11/26/14 11:45	11/29/14 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	102		20 - 150	11/26/14 11:45	11/29/14 11:52	1
Tetrachloro-m-xylene	86		19 - 147	11/26/14 11:45	11/29/14 11:52	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>1700</b>		26.9	13.5	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
Antimony	<1.35		13.5	1.35	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
Arsenic	<1.21		2.69	1.21	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
<b>Barium</b>	<b>66.5</b>		2.64	2.11	mg/Kg	☼	12/19/14 10:15	12/19/14 16:45	1
Beryllium	<0.538		1.35	0.538	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
Cadmium	<0.135		1.35	0.135	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
<b>Calcium</b>	<b>323</b>		269	135	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
<b>Chromium</b>	<b>2.18</b>		1.35	0.807	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
Cobalt	<1.35		2.69	1.35	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
Copper	<1.35		2.69	1.35	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
<b>Iron</b>	<b>1820</b>		53.8	26.9	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
<b>Lead</b>	<b>2.15 B</b>		1.35	0.673	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
Magnesium	<135		269	135	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
<b>Manganese</b>	<b>16.4</b>		4.04	1.35	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
Nickel	<0.807		2.69	0.807	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
Potassium	<135		269	135	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
Selenium	<1.35		2.69	1.35	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
Silver	<0.673		1.35	0.673	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4D SB-1 (6-10)**

**Lab Sample ID: 490-67111-2**

**Date Collected: 11/21/14 10:35**

**Matrix: Soil**

**Date Received: 11/22/14 08:40**

**Percent Solids: 74.0**

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<135		269	135	mg/Kg	☼	12/15/14 11:42	12/17/14 18:30	1
Thallium	<1.35		2.69	1.35	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
<b>Vanadium</b>	<b>3.12</b>	<b>J</b>	13.5	2.69	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1
Zinc	<8.07		13.5	8.07	mg/Kg	☼	12/15/14 11:42	12/17/14 06:42	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0408		0.136	0.0408	mg/Kg	☼	12/12/14 11:52	12/15/14 16:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Solids</b>	<b>74</b>		0.10	0.10	%			11/25/14 13:05	1



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-67111-3**

Date Collected: 11/21/14 01:01

Matrix: Water

Date Received: 11/22/14 08:40

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		25.0	2.66	ug/L			12/03/14 18:21	1
Benzene	<0.200		1.00	0.200	ug/L			12/03/14 18:21	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			12/03/14 18:21	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			12/03/14 18:21	1
Bromoform	<0.290		1.00	0.290	ug/L			12/03/14 18:21	1
Bromomethane	<0.350		1.00	0.350	ug/L			12/03/14 18:21	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			12/03/14 18:21	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			12/03/14 18:21	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			12/03/14 18:21	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			12/03/14 18:21	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			12/03/14 18:21	1
Chloroethane	<0.360		1.00	0.360	ug/L			12/03/14 18:21	1
Chloroform	<0.230		1.00	0.230	ug/L			12/03/14 18:21	1
Chloromethane	<0.360		1.00	0.360	ug/L			12/03/14 18:21	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			12/03/14 18:21	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/03/14 18:21	1
Cyclohexane	<0.220		5.00	0.220	ug/L			12/03/14 18:21	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			12/03/14 18:21	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			12/03/14 18:21	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			12/03/14 18:21	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			12/03/14 18:21	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			12/03/14 18:21	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			12/03/14 18:21	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			12/03/14 18:21	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			12/03/14 18:21	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			12/03/14 18:21	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			12/03/14 18:21	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			12/03/14 18:21	1
2-Hexanone	<1.28		10.0	1.28	ug/L			12/03/14 18:21	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			12/03/14 18:21	1
Methyl acetate	<0.720		10.0	0.720	ug/L			12/03/14 18:21	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			12/03/14 18:21	1
<b>Methylene Chloride</b>	<b>4.04</b>	<b>J</b>	5.00	0.220	ug/L			12/03/14 18:21	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			12/03/14 18:21	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			12/03/14 18:21	1
Styrene	<0.280		1.00	0.280	ug/L			12/03/14 18:21	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			12/03/14 18:21	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			12/03/14 18:21	1
Toluene	<0.170		1.00	0.170	ug/L			12/03/14 18:21	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			12/03/14 18:21	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/03/14 18:21	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			12/03/14 18:21	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			12/03/14 18:21	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			12/03/14 18:21	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			12/03/14 18:21	1
Trichloroethene	<0.200		1.00	0.200	ug/L			12/03/14 18:21	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			12/03/14 18:21	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			12/03/14 18:21	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			12/03/14 18:21	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-67111-3**

**Date Collected: 11/21/14 01:01**

**Matrix: Water**

**Date Received: 11/22/14 08:40**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			12/03/14 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130					12/03/14 18:21	1
Dibromofluoromethane (Surr)	91		70 - 130					12/03/14 18:21	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 130					12/03/14 18:21	1
Toluene-d8 (Surr)	102		70 - 130					12/03/14 18:21	1

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA

**Lab Sample ID: 490-66721-B-1-D MS**

**Matrix: Solid**

**Analysis Batch: 208949**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 207770**

Analyte	Sample	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
	Result			Result	Qualifier				
Acetone	0.0528	J	0.276	0.1969	F1	mg/Kg	☼	52	70 - 130
Benzene	<0.000768		0.0551	0.04479		mg/Kg	☼	81	70 - 130
Bromochloromethane	<0.000630		0.0551	0.03806	F1	mg/Kg	☼	69	70 - 130
Bromodichloromethane	<0.000630	*	0.0551	0.03037	F1	mg/Kg	☼	55	70 - 130
Bromoform	<0.000630		0.0551	0.02339	F1	mg/Kg	☼	42	70 - 130
Bromomethane	<0.00138		0.0551	0.04674		mg/Kg	☼	85	70 - 130
2-Butanone (MEK)	<0.00584		0.276	0.1630	F1	mg/Kg	☼	59	70 - 130
Carbon disulfide	<0.00413		0.0551	0.04328		mg/Kg	☼	79	70 - 130
Carbon tetrachloride	<0.000768		0.0551	0.04100		mg/Kg	☼	74	70 - 130
Chlorobenzene	<0.000768		0.0551	0.03546	F1	mg/Kg	☼	64	70 - 130
Chlorodibromomethane	<0.000390		0.0551	0.02203	F1	mg/Kg	☼	40	70 - 130
Chloroethane	<0.00218		0.0551	0.04418		mg/Kg	☼	80	70 - 130
Chloroform	<0.000768		0.0551	0.04060		mg/Kg	☼	74	70 - 130
Chloromethane	<0.000768		0.0551	0.05170		mg/Kg	☼	94	70 - 130
cis-1,2-Dichloroethene	<0.000768		0.0551	0.03877		mg/Kg	☼	70	70 - 130
cis-1,3-Dichloropropene	<0.000768		0.0551	0.03101	F1	mg/Kg	☼	56	70 - 130
Cyclohexane	<0.00378		0.0551	0.04757		mg/Kg	☼	86	70 - 130
1,2-Dibromo-3-Chloropropane	<0.000802		0.0551	0.01381	F1	mg/Kg	☼	25	70 - 130
1,2-Dibromoethane (EDB)	<0.00115		0.0551	0.03002	F1	mg/Kg	☼	54	70 - 130
1,2-Dichlorobenzene	<0.000390		0.0551	0.01789	F1	mg/Kg	☼	32	70 - 130
1,3-Dichlorobenzene	<0.000768		0.0551	0.02200	F1	mg/Kg	☼	40	70 - 130
1,4-Dichlorobenzene	<0.000768		0.0551	0.02047	F1	mg/Kg	☼	37	70 - 130
Dichlorodifluoromethane	<0.00115		0.0551	0.04831		mg/Kg	☼	88	70 - 130
1,1-Dichloroethane	<0.000768		0.0551	0.04626		mg/Kg	☼	84	70 - 130
1,2-Dichloroethane	<0.000768		0.0551	0.03519	F1	mg/Kg	☼	64	70 - 130
1,1-Dichloroethene	<0.000653		0.0551	0.05067		mg/Kg	☼	92	70 - 130
1,2-Dichloropropane	<0.00108		0.0551	0.02659	F1	mg/Kg	☼	48	70 - 130
Ethylbenzene	<0.000768		0.0551	0.03943		mg/Kg	☼	72	70 - 130
2-Hexanone	<0.0191		0.276	0.1436	F1	mg/Kg	☼	52	70 - 130
Isopropylbenzene	<0.000470		0.0551	0.03470	F1	mg/Kg	☼	63	70 - 130
Methyl acetate	<0.00275	*	0.276	0.05297	F1	mg/Kg	☼	19	70 - 130
Methylcyclohexane	<0.00378		0.0551	0.02340	F1	mg/Kg	☼	42	70 - 130
Methylene Chloride	0.00425	J	0.0551	0.04244	F1	mg/Kg	☼	69	70 - 130
4-Methyl-2-pentanone (MIBK)	<0.0195		0.276	0.1548	F1	mg/Kg	☼	56	70 - 130
Methyl tert-butyl ether	<0.00110		0.0551	0.03388		mg/Kg	☼	61	50 - 150
Styrene	<0.00126		0.0551	0.02043	F1	mg/Kg	☼	37	70 - 130
1,1,2,2-Tetrachloroethane	<0.00115		0.0551	0.02669	F1	mg/Kg	☼	48	70 - 130
Tetrachloroethene	<0.000836		0.0551	0.04565		mg/Kg	☼	83	70 - 130
Toluene	0.00107	J	0.0551	0.04359		mg/Kg	☼	77	70 - 130
trans-1,2-Dichloroethene	<0.000768		0.0551	0.04656		mg/Kg	☼	84	70 - 130
trans-1,3-Dichloropropene	<0.000768		0.0551	0.02540	F1	mg/Kg	☼	46	70 - 130
1,2,3-Trichlorobenzene	<0.000435		0.0551	0.006776	F1	mg/Kg	☼	12	70 - 130
1,2,4-Trichlorobenzene	<0.000768		0.0551	0.008609	F1	mg/Kg	☼	16	70 - 130
1,1,1-Trichloroethane	<0.00105		0.0551	0.04330		mg/Kg	☼	79	70 - 130
1,1,2-Trichloroethane	<0.00160		0.0551	0.03456	F1	mg/Kg	☼	63	70 - 130
Trichloroethene	<0.00110		0.0551	0.04184		mg/Kg	☼	76	70 - 130
Trichlorofluoromethane	<0.00115		0.0551	0.04432		mg/Kg	☼	80	70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: 490-66721-B-1-D MS**

**Matrix: Solid**

**Analysis Batch: 208949**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 207770**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000905		0.0551	0.05479		mg/Kg	☼	99	70 - 130
Vinyl chloride	<0.00126		0.0551	0.04825		mg/Kg	☼	88	70 - 130
Xylenes, Total	<0.000768		0.110	0.07252	F1	mg/Kg	☼	66	70 - 130
<b>MS MS</b>									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
Dibromofluoromethane (Surr)	94		70 - 130						
1,2-Dichloroethane-d4 (Surr)	103		70 - 130						
Toluene-d8 (Surr)	102		70 - 130						

**Lab Sample ID: 490-66721-B-1-E MSD**

**Matrix: Solid**

**Analysis Batch: 208949**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 207770**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier					RPD	Limit
Acetone	0.0528	J	0.256	0.2530	F2	mg/Kg	☼	78	70 - 130	25	20
Benzene	<0.000768		0.0513	0.04519		mg/Kg	☼	88	70 - 130	1	20
Bromochloromethane	<0.000630		0.0513	0.03971		mg/Kg	☼	77	70 - 130	4	20
Bromodichloromethane	<0.000630	*	0.0513	0.02997	F1	mg/Kg	☼	58	70 - 130	1	20
Bromoform	<0.000630		0.0513	0.02410	F1	mg/Kg	☼	47	70 - 130	3	20
Bromomethane	<0.00138		0.0513	0.04510		mg/Kg	☼	88	70 - 130	4	20
2-Butanone (MEK)	<0.00584		0.256	0.1667	F1	mg/Kg	☼	65	70 - 130	2	20
Carbon disulfide	<0.00413		0.0513	0.04608		mg/Kg	☼	90	70 - 130	6	20
Carbon tetrachloride	<0.000768		0.0513	0.04436		mg/Kg	☼	86	70 - 130	8	20
Chlorobenzene	<0.000768		0.0513	0.03491	F1	mg/Kg	☼	68	70 - 130	2	20
Chlorodibromomethane	<0.000390		0.0513	0.02379	F1	mg/Kg	☼	46	70 - 130	8	20
Chloroethane	<0.00218		0.0513	0.05155		mg/Kg	☼	100	70 - 130	15	20
Chloroform	<0.000768		0.0513	0.04226		mg/Kg	☼	82	70 - 130	4	20
Chloromethane	<0.000768		0.0513	0.05072		mg/Kg	☼	99	70 - 130	2	20
cis-1,2-Dichloroethene	<0.000768		0.0513	0.03931		mg/Kg	☼	77	70 - 130	1	20
cis-1,3-Dichloropropene	<0.000768		0.0513	0.03147	F1	mg/Kg	☼	61	70 - 130	1	20
Cyclohexane	<0.00378		0.0513	0.04947		mg/Kg	☼	96	70 - 130	4	20
1,2-Dibromo-3-Chloropropane	<0.000802		0.0513	0.01580	F1	mg/Kg	☼	31	70 - 130	13	20
1,2-Dibromoethane (EDB)	<0.00115		0.0513	0.03153	F1	mg/Kg	☼	61	70 - 130	5	20
1,2-Dichlorobenzene	<0.000390		0.0513	0.01839	F1	mg/Kg	☼	36	70 - 130	3	20
1,3-Dichlorobenzene	<0.000768		0.0513	0.02292	F1	mg/Kg	☼	45	70 - 130	4	20
1,4-Dichlorobenzene	<0.000768		0.0513	0.02148	F1	mg/Kg	☼	42	70 - 130	5	20
Dichlorodifluoromethane	<0.00115		0.0513	0.04782		mg/Kg	☼	93	70 - 130	1	20
1,1-Dichloroethane	<0.000768		0.0513	0.04730		mg/Kg	☼	92	70 - 130	2	20
1,2-Dichloroethane	<0.000768		0.0513	0.03568		mg/Kg	☼	70	70 - 130	1	20
1,1-Dichloroethene	<0.000653		0.0513	0.05258		mg/Kg	☼	103	70 - 130	4	20
1,2-Dichloropropane	<0.00108		0.0513	0.04238	F2	mg/Kg	☼	83	70 - 130	46	20
Ethylbenzene	<0.000768		0.0513	0.04023		mg/Kg	☼	78	70 - 130	2	20
2-Hexanone	<0.0191		0.256	0.1465	F1	mg/Kg	☼	57	70 - 130	2	20
Isopropylbenzene	<0.000470		0.0513	0.03641		mg/Kg	☼	71	70 - 130	5	20
Methyl acetate	<0.00275	*	0.256	0.04399	F1	mg/Kg	☼	17	70 - 130	19	20
Methylcyclohexane	<0.00378		0.0513	0.04679	F2	mg/Kg	☼	91	70 - 130	67	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: 490-66721-B-1-E MSD**

**Matrix: Solid**

**Analysis Batch: 208949**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 207770**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Methylene Chloride	0.00425	J	0.0513	0.04301		mg/Kg	☼	76	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	<0.0195		0.256	0.1580	F1	mg/Kg	☼	62	70 - 130	2	20
Methyl tert-butyl ether	<0.00110		0.0513	0.03496		mg/Kg	☼	68	50 - 150	3	20
Styrene	<0.00126		0.0513	0.01805	F1	mg/Kg	☼	35	70 - 130	12	20
1,1,2,2-Tetrachloroethane	<0.00115		0.0513	0.02756	F1	mg/Kg	☼	54	70 - 130	3	20
Tetrachloroethene	<0.000836		0.0513	0.04590		mg/Kg	☼	89	70 - 130	1	20
Toluene	0.00107	J	0.0513	0.04457		mg/Kg	☼	85	70 - 130	2	20
trans-1,2-Dichloroethene	<0.000768		0.0513	0.04707		mg/Kg	☼	92	70 - 130	1	20
trans-1,3-Dichloropropene	<0.000768		0.0513	0.02520	F1	mg/Kg	☼	49	70 - 130	1	20
1,2,3-Trichlorobenzene	<0.000435		0.0513	0.007631	F1	mg/Kg	☼	15	70 - 130	12	20
1,2,4-Trichlorobenzene	<0.000768		0.0513	0.009360	F1	mg/Kg	☼	18	70 - 130	8	20
1,1,1-Trichloroethane	<0.00105		0.0513	0.04528		mg/Kg	☼	88	70 - 130	4	20
1,1,2-Trichloroethane	<0.00160		0.0513	0.03415	F1	mg/Kg	☼	67	70 - 130	1	20
Trichloroethene	<0.00110		0.0513	0.04344		mg/Kg	☼	85	70 - 130	4	20
Trichlorofluoromethane	<0.00115		0.0513	0.04601		mg/Kg	☼	90	70 - 130	4	20
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000905		0.0513	0.05625		mg/Kg	☼	110	70 - 130	3	20
Vinyl chloride	<0.00126		0.0513	0.04891		mg/Kg	☼	95	70 - 130	1	20
Xylenes, Total	<0.000768		0.103	0.07341		mg/Kg	☼	72	70 - 130	1	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
Toluene-d8 (Surr)	103		70 - 130

**Lab Sample ID: MB 490-208949/7**

**Matrix: Solid**

**Analysis Batch: 208949**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0400		0.0500	0.0400	mg/Kg			11/25/14 13:46	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			11/25/14 13:46	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			11/25/14 13:46	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			11/25/14 13:46	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			11/25/14 13:46	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			11/25/14 13:46	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			11/25/14 13:46	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			11/25/14 13:46	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			11/25/14 13:46	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			11/25/14 13:46	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: MB 490-208949/7**

**Matrix: Solid**

**Analysis Batch: 208949**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			11/25/14 13:46	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			11/25/14 13:46	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			11/25/14 13:46	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			11/25/14 13:46	1
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			11/25/14 13:46	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			11/25/14 13:46	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			11/25/14 13:46	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			11/25/14 13:46	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			11/25/14 13:46	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			11/25/14 13:46	1
Methylene Chloride	<0.000860		0.0100	0.000860	mg/Kg			11/25/14 13:46	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			11/25/14 13:46	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			11/25/14 13:46	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			11/25/14 13:46	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			11/25/14 13:46	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			11/25/14 13:46	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			11/25/14 13:46	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			11/25/14 13:46	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 13:46	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			11/25/14 13:46	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			11/25/14 13:46	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			11/25/14 13:46	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			11/25/14 13:46	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			11/25/14 13:46	1
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			11/25/14 13:46	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			11/25/14 13:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130		11/25/14 13:46	1
Dibromofluoromethane (Surr)	99		70 - 130		11/25/14 13:46	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		11/25/14 13:46	1
Toluene-d8 (Surr)	96		70 - 130		11/25/14 13:46	1

**Lab Sample ID: LCS 490-208949/3**

**Matrix: Solid**

**Analysis Batch: 208949**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.1936		mg/Kg		77	70 - 130
Benzene	0.0500	0.05050		mg/Kg		101	70 - 130
Bromochloromethane	0.0500	0.05326		mg/Kg		107	70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCS 490-208949/3**

**Matrix: Solid**

**Analysis Batch: 208949**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
Bromodichloromethane	0.0500	0.05010		mg/Kg		100	70 - 130
Bromoform	0.0500	0.04656		mg/Kg		93	70 - 130
Bromomethane	0.0500	0.05285		mg/Kg		106	70 - 130
2-Butanone (MEK)	0.250	0.2147		mg/Kg		86	70 - 130
Carbon disulfide	0.0500	0.05146		mg/Kg		103	70 - 130
Carbon tetrachloride	0.0500	0.05225		mg/Kg		104	70 - 130
Chlorobenzene	0.0500	0.05297		mg/Kg		106	70 - 130
Chlorodibromomethane	0.0500	0.04613		mg/Kg		92	70 - 130
Chloroethane	0.0500	0.04772		mg/Kg		95	70 - 130
Chloroform	0.0500	0.04957		mg/Kg		99	70 - 130
Chloromethane	0.0500	0.04466		mg/Kg		89	70 - 130
cis-1,2-Dichloroethene	0.0500	0.05033		mg/Kg		101	70 - 130
cis-1,3-Dichloropropene	0.0500	0.05097		mg/Kg		102	70 - 130
Cyclohexane	0.0500	0.05115		mg/Kg		102	70 - 130
1,2-Dibromo-3-Chloropropane	0.0500	0.03935		mg/Kg		79	70 - 130
1,2-Dibromoethane (EDB)	0.0500	0.05036		mg/Kg		101	70 - 130
1,2-Dichlorobenzene	0.0500	0.05540		mg/Kg		111	70 - 130
1,3-Dichlorobenzene	0.0500	0.05628		mg/Kg		113	70 - 130
1,4-Dichlorobenzene	0.0500	0.04760		mg/Kg		95	70 - 130
Dichlorodifluoromethane	0.0500	0.05173		mg/Kg		103	70 - 130
1,1-Dichloroethane	0.0500	0.05185		mg/Kg		104	70 - 130
1,2-Dichloroethane	0.0500	0.04911		mg/Kg		98	70 - 130
1,1-Dichloroethene	0.0500	0.05433		mg/Kg		109	70 - 130
1,2-Dichloropropane	0.0500	0.05100		mg/Kg		102	70 - 130
Ethylbenzene	0.0500	0.05440		mg/Kg		109	70 - 130
2-Hexanone	0.250	0.2249		mg/Kg		90	70 - 130
Isopropylbenzene	0.0500	0.05517		mg/Kg		110	70 - 130
Methyl acetate	0.250	0.3105		mg/Kg		124	70 - 130
Methylcyclohexane	0.0500	0.05385		mg/Kg		108	70 - 130
Methylene Chloride	0.0500	0.04541		mg/Kg		91	70 - 130
4-Methyl-2-pentanone (MIBK)	0.250	0.2317		mg/Kg		93	70 - 130
Methyl tert-butyl ether	0.0500	0.05046		mg/Kg		101	70 - 130
Styrene	0.0500	0.05210		mg/Kg		104	70 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.04828		mg/Kg		97	70 - 130
Tetrachloroethene	0.0500	0.05535		mg/Kg		111	70 - 130
Toluene	0.0500	0.05199		mg/Kg		104	70 - 130
trans-1,2-Dichloroethene	0.0500	0.05191		mg/Kg		104	70 - 130
trans-1,3-Dichloropropene	0.0500	0.04648		mg/Kg		93	70 - 130
1,2,3-Trichlorobenzene	0.0500	0.05470		mg/Kg		109	70 - 130
1,2,4-Trichlorobenzene	0.0500	0.05463		mg/Kg		109	70 - 130
1,1,1-Trichloroethane	0.0500	0.05033		mg/Kg		101	70 - 130
1,1,2-Trichloroethane	0.0500	0.05002		mg/Kg		100	70 - 130
Trichloroethene	0.0500	0.05009		mg/Kg		100	70 - 130
Trichlorofluoromethane	0.0500	0.04635		mg/Kg		93	70 - 130
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.05198		mg/Kg		104	70 - 130
Vinyl chloride	0.0500	0.04781		mg/Kg		96	70 - 130
Xylenes, Total	0.100	0.1088		mg/Kg		109	70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCS 490-208949/3**

**Matrix: Solid**

**Analysis Batch: 208949**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
Toluene-d8 (Surr)	102		70 - 130

**Lab Sample ID: LCSD 490-208949/4**

**Matrix: Solid**

**Analysis Batch: 208949**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Acetone	0.250	0.2328		mg/Kg		93	70 - 130	18	20
Benzene	0.0500	0.05201		mg/Kg		104	70 - 130	3	20
Bromochloromethane	0.0500	0.05506		mg/Kg		110	70 - 130	3	20
Bromodichloromethane	0.0500	0.03992	*	mg/Kg		80	70 - 130	23	20
Bromoform	0.0500	0.04804		mg/Kg		96	70 - 130	3	20
Bromomethane	0.0500	0.05428		mg/Kg		109	70 - 130	3	20
2-Butanone (MEK)	0.250	0.2431		mg/Kg		97	70 - 130	12	20
Carbon disulfide	0.0500	0.05362		mg/Kg		107	70 - 130	4	20
Carbon tetrachloride	0.0500	0.05419		mg/Kg		108	70 - 130	4	20
Chlorobenzene	0.0500	0.05386		mg/Kg		108	70 - 130	2	20
Chlorodibromomethane	0.0500	0.04802		mg/Kg		96	70 - 130	4	20
Chloroethane	0.0500	0.04999		mg/Kg		100	70 - 130	5	20
Chloroform	0.0500	0.04932		mg/Kg		99	70 - 130	1	20
Chloromethane	0.0500	0.05042		mg/Kg		101	70 - 130	12	20
cis-1,2-Dichloroethene	0.0500	0.05269		mg/Kg		105	70 - 130	5	20
cis-1,3-Dichloropropene	0.0500	0.05236		mg/Kg		105	70 - 130	3	20
Cyclohexane	0.0500	0.05321		mg/Kg		106	70 - 130	4	20
1,2-Dibromo-3-Chloropropane	0.0500	0.04512		mg/Kg		90	70 - 130	14	20
1,2-Dibromoethane (EDB)	0.0500	0.05326		mg/Kg		107	70 - 130	6	20
1,2-Dichlorobenzene	0.0500	0.05480		mg/Kg		110	70 - 130	1	20
1,3-Dichlorobenzene	0.0500	0.05734		mg/Kg		115	70 - 130	2	20
1,4-Dichlorobenzene	0.0500	0.05634		mg/Kg		113	70 - 130	17	20
Dichlorodifluoromethane	0.0500	0.05425		mg/Kg		109	70 - 130	5	20
1,1-Dichloroethane	0.0500	0.05119		mg/Kg		102	70 - 130	1	20
1,2-Dichloroethane	0.0500	0.05131		mg/Kg		103	70 - 130	4	20
1,1-Dichloroethene	0.0500	0.05736		mg/Kg		115	70 - 130	5	20
1,2-Dichloropropane	0.0500	0.05232		mg/Kg		105	70 - 130	3	20
Ethylbenzene	0.0500	0.05582		mg/Kg		112	70 - 130	3	20
2-Hexanone	0.250	0.2528		mg/Kg		101	70 - 130	12	20
Isopropylbenzene	0.0500	0.05628		mg/Kg		113	70 - 130	2	20
Methyl acetate	0.250	0.3264	*	mg/Kg		131	70 - 130	5	20
Methylcyclohexane	0.0500	0.05456		mg/Kg		109	70 - 130	1	20
Methylene Chloride	0.0500	0.04823		mg/Kg		96	70 - 130	6	20
4-Methyl-2-pentanone (MIBK)	0.250	0.2544		mg/Kg		102	70 - 130	9	20
Methyl tert-butyl ether	0.0500	0.05315		mg/Kg		106	70 - 130	5	20
Styrene	0.0500	0.05256		mg/Kg		105	70 - 130	1	20
1,1,1,2-Tetrachloroethane	0.0500	0.05131		mg/Kg		103	70 - 130	6	20
Tetrachloroethene	0.0500	0.05628		mg/Kg		113	70 - 130	2	20

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

Lab Sample ID: LCSD 490-208949/4

Matrix: Solid

Analysis Batch: 208949

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Toluene	0.0500	0.05323		mg/Kg		106	70 - 130	2	20
trans-1,2-Dichloroethene	0.0500	0.05149		mg/Kg		103	70 - 130	1	20
trans-1,3-Dichloropropene	0.0500	0.04790		mg/Kg		96	70 - 130	3	20
1,2,3-Trichlorobenzene	0.0500	0.05700		mg/Kg		114	70 - 130	4	20
1,2,4-Trichlorobenzene	0.0500	0.05480		mg/Kg		110	70 - 130	0	20
1,1,1-Trichloroethane	0.0500	0.05225		mg/Kg		104	70 - 130	4	20
1,1,2-Trichloroethane	0.0500	0.05168		mg/Kg		103	70 - 130	3	20
Trichloroethene	0.0500	0.05197		mg/Kg		104	70 - 130	4	20
Trichlorofluoromethane	0.0500	0.04857		mg/Kg		97	70 - 130	5	20
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.05392		mg/Kg		108	70 - 130	4	20
Vinyl chloride	0.0500	0.05002		mg/Kg		100	70 - 130	5	20
Xylenes, Total	0.100	0.1112		mg/Kg		111	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: 490-66913-A-2-B MS

Matrix: Solid

Analysis Batch: 209115

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 208977

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.154	*	0.0415	0.2098	F1 *	mg/Kg	✱	135	70 - 130
Bromochloromethane	<0.000444	*	0.0415	0.0004638	J F1 *	mg/Kg	✱	1	70 - 130
Bromodichloromethane	<0.000444	*	0.0415	<0.000456	F1 *	mg/Kg	✱	0	70 - 130
Bromoform	<0.000444	*	0.0415	<0.000456	F1 *	mg/Kg	✱	0	70 - 130
Bromomethane	<0.000969	*	0.0415	<0.000995	F1 *	mg/Kg	✱	0	70 - 130
2-Butanone (MEK)	<0.00412	*	0.207	<0.00423	F1 *	mg/Kg	✱	0	70 - 130
Carbon disulfide	<0.00291	*	0.0415	<0.00299	F1 *	mg/Kg	✱	0	70 - 130
Carbon tetrachloride	<0.000541	*	0.0415	<0.000556	F1 *	mg/Kg	✱	0	70 - 130
Chlorobenzene	<0.000541	*	0.0415	<0.000556	F1 *	mg/Kg	✱	0	70 - 130
Chlorodibromomethane	<0.000275	*	0.0415	<0.000282	F1 *	mg/Kg	✱	0	70 - 130
Chloroethane	<0.00153	*	0.0415	<0.00158	F1 *	mg/Kg	✱	0	70 - 130
Chloroform	<0.000541	*	0.0415	0.1246	F1 *	mg/Kg	✱	301	70 - 130
Chloromethane	0.0209	*	0.0415	0.007560	F1 *	mg/Kg	✱	-32	70 - 130
cis-1,2-Dichloroethene	<0.000541	*	0.0415	<0.000556	F1 *	mg/Kg	✱	0	70 - 130
cis-1,3-Dichloropropene	<0.000541	*	0.0415	0.0006862	J F1 *	mg/Kg	✱	2	70 - 130
Cyclohexane	<0.00266	*	0.0415	<0.00274	F1 *	mg/Kg	✱	0	70 - 130
1,2-Dibromo-3-Chloropropane	<0.000565	*	0.0415	<0.000581	F1 *	mg/Kg	✱	0	70 - 130
1,2-Dibromoethane (EDB)	<0.000807	*	0.0415	<0.000829	F1 *	mg/Kg	✱	0	70 - 130
1,2-Dichlorobenzene	<0.000275	*	0.0415	<0.000282	F1 *	mg/Kg	✱	0	70 - 130
1,3-Dichlorobenzene	<0.000541	*	0.0415	<0.000556	F1 *	mg/Kg	✱	0	70 - 130
1,4-Dichlorobenzene	<0.000541	*	0.0415	<0.000556	F1 *	mg/Kg	✱	0	70 - 130
Dichlorodifluoromethane	<0.000807	*	0.0415	0.002785	F1 *	mg/Kg	✱	7	70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

Lab Sample ID: 490-66913-A-2-B MS

Matrix: Solid

Analysis Batch: 209115

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 208977

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	<0.000541	*	0.0415	<0.000556	F1 *	mg/Kg	☼	0	70 - 130
1,2-Dichloroethane	<0.000541	*	0.0415	0.0008375	J F1 *	mg/Kg	☼	2	70 - 130
1,1-Dichloroethene	<0.000460	*	0.0415	<0.000473	F1 *	mg/Kg	☼	0	70 - 130
1,2-Dichloropropane	<0.000759	*	0.0415	0.001758	F1 *	mg/Kg	☼	4	70 - 130
Ethylbenzene	301	E *	0.0415	<0.000556	4 *	mg/Kg	☼	0	70 - 130
2-Hexanone	<0.0135	*	0.207	0.07027	F1 *	mg/Kg	☼	34	70 - 130
Isopropylbenzene	<0.000331	*	0.0415	<0.000340	F1 *	mg/Kg	☼	0	70 - 130
Methyl acetate	<0.00194	*	0.207	<0.00199	F1 *	mg/Kg	☼	0	70 - 130
Methylcyclohexane	<0.00266	*	0.0415	<0.00274	F1 *	mg/Kg	☼	0	70 - 130
Methylene Chloride	<0.000694	*	0.0415	<0.000713	F1 *	mg/Kg	☼	0	70 - 130
4-Methyl-2-pentanone (MIBK)	113	E *	0.207	<0.0141	4 *	mg/Kg	☼	0	70 - 130
Methyl tert-butyl ether	<0.000775	*	0.0415	<0.000796	F1 *	mg/Kg	☼	0	50 - 150
Styrene	<0.000888	*	0.0415	<0.000912	F1 *	mg/Kg	☼	0	70 - 130
1,1,2,2-Tetrachloroethane	<0.000807	*	0.0415	<0.000829	F1 *	mg/Kg	☼	0	70 - 130
Tetrachloroethene	0.0420	*	0.0415	<0.000605	F1 *	mg/Kg	☼	0	70 - 130
Toluene	1380	E *	0.0415	<0.000614	4 *	mg/Kg	☼	0	70 - 130
trans-1,2-Dichloroethene	<0.000541	*	0.0415	0.0009420	J F1 *	mg/Kg	☼	2	70 - 130
trans-1,3-Dichloropropene	7.96	E *	0.0415	<0.000556	4 *	mg/Kg	☼	0	70 - 130
1,2,3-Trichlorobenzene	<0.000307	*	0.0415	<0.000315	F1 *	mg/Kg	☼	0	70 - 130
1,2,4-Trichlorobenzene	<0.000541	*	0.0415	<0.000556	F1 *	mg/Kg	☼	0	70 - 130
1,1,1-Trichloroethane	<0.000743	*	0.0415	<0.000763	F1 *	mg/Kg	☼	0	70 - 130
1,1,2-Trichloroethane	<0.00113	*	0.0415	<0.00116	F1 *	mg/Kg	☼	0	70 - 130
Trichloroethene	<0.000775	*	0.0415	<0.000796	F1 *	mg/Kg	☼	0	70 - 130
Trichlorofluoromethane	<0.000807	*	0.0415	<0.000829	F1 *	mg/Kg	☼	0	70 - 130
1,1,2-Trichloro-1,1,2-trichloroethane	<0.000638	*	0.0415	<0.000655	F1 *	mg/Kg	☼	0	70 - 130
Vinyl chloride	<0.000888	*	0.0415	0.001455	J F1 *	mg/Kg	☼	4	70 - 130
Xylenes, Total	3370		0.0829	9.111	4	mg/Kg	☼	-4052	70 - 130
								714	

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	0	X *	70 - 130
Dibromofluoromethane (Surr)	0.6	X *	70 - 130
1,2-Dichloroethane-d4 (Surr)	0	X *	70 - 130
Toluene-d8 (Surr)	371	X *	70 - 130

Lab Sample ID: 490-66913-B-2-B MSD

Matrix: Solid

Analysis Batch: 209115

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 208977

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	<0.0323	*	0.209	0.09347	F1 *	mg/Kg	☼	45	70 - 130	NC	20
Benzene	0.154	*	0.0418	0.1969	*	mg/Kg	☼	103	70 - 130	6	20
Bromochloromethane	<0.000444	*	0.0418	<0.000459	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Bromodichloromethane	<0.000444	*	0.0418	<0.000459	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Bromoform	<0.000444	*	0.0418	0.007923	F1 *	mg/Kg	☼	19	70 - 130	NC	20
Bromomethane	<0.000969	*	0.0418	<0.00100	F1 *	mg/Kg	☼	0	70 - 130	NC	20
2-Butanone (MEK)	<0.00412	*	0.209	0.01652	J F1 *	mg/Kg	☼	8	70 - 130	NC	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

Lab Sample ID: 490-66913-B-2-B MSD

Matrix: Solid

Analysis Batch: 209115

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 208977

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Carbon disulfide	<0.00291	*	0.0418	<0.00301	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Carbon tetrachloride	<0.000541	*	0.0418	<0.000560	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Chlorobenzene	<0.000541	*	0.0418	<0.000560	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Chlorodibromomethane	<0.000275	*	0.0418	<0.000284	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Chloroethane	<0.00153	*	0.0418	<0.00159	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Chloroform	<0.000541	*	0.0418	0.1554	F1 F2 *	mg/Kg	☼	372	70 - 130	22	20
Chloromethane	0.0209	*	0.0418	0.01804	F1 F2 *	mg/Kg	☼	-7	70 - 130	82	20
cis-1,2-Dichloroethene	<0.000541	*	0.0418	<0.000560	F1 *	mg/Kg	☼	0	70 - 130	NC	20
cis-1,3-Dichloropropene	<0.000541	*	0.0418	<0.000560	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Cyclohexane	<0.00266	*	0.0418	<0.00276	F1 *	mg/Kg	☼	0	70 - 130	NC	20
1,2-Dibromo-3-Chloropropane	<0.000565	*	0.0418	<0.000585	F1 *	mg/Kg	☼	0	70 - 130	NC	20
1,2-Dibromoethane (EDB)	<0.000807	*	0.0418	0.1363	F1 *	mg/Kg	☼	326	70 - 130	NC	20
1,2-Dichlorobenzene	<0.000275	*	0.0418	<0.000284	F1 *	mg/Kg	☼	0	70 - 130	NC	20
1,3-Dichlorobenzene	<0.000541	*	0.0418	<0.000560	F1 *	mg/Kg	☼	0	70 - 130	NC	20
1,4-Dichlorobenzene	<0.000541	*	0.0418	<0.000560	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Dichlorodifluoromethane	<0.000807	*	0.0418	0.002367	F1 *	mg/Kg	☼	6	70 - 130	16	20
1,1-Dichloroethane	<0.000541	*	0.0418	0.001991	F1 *	mg/Kg	☼	5	70 - 130	NC	20
1,2-Dichloroethane	<0.000541	*	0.0418	<0.000560	F1 *	mg/Kg	☼	0	70 - 130	NC	20
1,1-Dichloroethene	<0.000460	*	0.0418	<0.000476	F1 *	mg/Kg	☼	0	70 - 130	NC	20
1,2-Dichloropropane	<0.000759	*	0.0418	<0.000785	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Ethylbenzene	301	E *	0.0418	1.804	E 4 *	mg/Kg	☼	-7158	70 - 130	NC	20
2-Hexanone	<0.0135	*	0.209	1.719	E F1 F2 *	mg/Kg	☼	80	70 - 130	184	20
Isopropylbenzene	<0.000331	*	0.0418	1.061	E F1 *	mg/Kg	☼	823	70 - 130	184	20
Methyl acetate	<0.00194	*	0.209	<0.00201	F1 *	mg/Kg	☼	2539	70 - 130	NC	20
Methylcyclohexane	<0.00266	*	0.0418	<0.00276	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Methylene Chloride	<0.000694	*	0.0418	<0.000718	F1 *	mg/Kg	☼	0	70 - 130	NC	20
4-Methyl-2-pentanone (MIBK)	113	E *	0.209	<0.0142	4 *	mg/Kg	☼	0	70 - 130	NC	20
Methyl tert-butyl ether	<0.000775	*	0.0418	<0.000802	F1 *	mg/Kg	☼	0	50 - 150	NC	20
Styrene	<0.000888	*	0.0418	0.1850	F1 *	mg/Kg	☼	443	70 - 130	NC	20
1,1,2,2-Tetrachloroethane	<0.000807	*	0.0418	32.84	E F1 *	mg/Kg	☼	78626	70 - 130	NC	20
Tetrachloroethene	0.0420	*	0.0418	0.01997	F1 *	mg/Kg	☼	-53	70 - 130	NC	20
Toluene	1380	E *	0.0418	<0.000618	4 *	mg/Kg	☼	0	70 - 130	NC	20
trans-1,2-Dichloroethene	<0.000541	*	0.0418	<0.000560	F1 *	mg/Kg	☼	0	70 - 130	NC	20
trans-1,3-Dichloropropene	7.96	E *	0.0418	0.03706	4 *	mg/Kg	☼	-1897	70 - 130	NC	20
1,2,3-Trichlorobenzene	<0.000307	*	0.0418	<0.000317	F1 *	mg/Kg	☼	5	70 - 130	NC	20
1,2,4-Trichlorobenzene	<0.000541	*	0.0418	<0.000560	F1 *	mg/Kg	☼	0	70 - 130	NC	20
1,1,1-Trichloroethane	<0.000743	*	0.0418	<0.000769	F1 *	mg/Kg	☼	0	70 - 130	NC	20
1,1,2-Trichloroethane	<0.00113	*	0.0418	<0.00117	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Trichloroethene	<0.000775	*	0.0418	<0.000802	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Trichlorofluoromethane	<0.000807	*	0.0418	<0.000835	F1 *	mg/Kg	☼	0	70 - 130	NC	20
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000638	*	0.0418	<0.000660	F1 *	mg/Kg	☼	0	70 - 130	NC	20
Vinyl chloride	<0.000888	*	0.0418	0.001018	J F1 F2 *	mg/Kg	☼	2	70 - 130	35	20
Xylenes, Total	3370		0.0835	7.054	4 F2	mg/Kg	☼	-4025	70 - 130	25	20
								458			

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: 490-66913-B-2-B MSD**  
**Matrix: Solid**  
**Analysis Batch: 209115**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 208977**

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	0	X *	70 - 130
Dibromofluoromethane (Surr)	1	X *	70 - 130
1,2-Dichloroethane-d4 (Surr)	0	X *	70 - 130
Toluene-d8 (Surr)	423	X *	70 - 130

**Lab Sample ID: MB 490-209115/6**  
**Matrix: Solid**  
**Analysis Batch: 209115**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0400		0.0500	0.0400	mg/Kg			11/26/14 00:28	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			11/26/14 00:28	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			11/26/14 00:28	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			11/26/14 00:28	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			11/26/14 00:28	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			11/26/14 00:28	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			11/26/14 00:28	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			11/26/14 00:28	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			11/26/14 00:28	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			11/26/14 00:28	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			11/26/14 00:28	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			11/26/14 00:28	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			11/26/14 00:28	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			11/26/14 00:28	1
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			11/26/14 00:28	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			11/26/14 00:28	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			11/26/14 00:28	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			11/26/14 00:28	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			11/26/14 00:28	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			11/26/14 00:28	1
Methylene Chloride	<0.000860		0.0100	0.000860	mg/Kg			11/26/14 00:28	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			11/26/14 00:28	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			11/26/14 00:28	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			11/26/14 00:28	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			11/26/14 00:28	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			11/26/14 00:28	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: MB 490-209115/6**

**Matrix: Solid**

**Analysis Batch: 209115**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.000740		0.00200	0.000740	mg/Kg			11/26/14 00:28	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			11/26/14 00:28	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/26/14 00:28	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			11/26/14 00:28	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			11/26/14 00:28	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			11/26/14 00:28	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			11/26/14 00:28	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			11/26/14 00:28	1
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			11/26/14 00:28	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			11/26/14 00:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130		11/26/14 00:28	1
Dibromofluoromethane (Surr)	104		70 - 130		11/26/14 00:28	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		11/26/14 00:28	1
Toluene-d8 (Surr)	97		70 - 130		11/26/14 00:28	1

**Lab Sample ID: LCS 490-209115/3**

**Matrix: Solid**

**Analysis Batch: 209115**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2916		mg/Kg		117	70 - 130
Benzene	0.0500	0.05674		mg/Kg		113	70 - 130
Bromochloromethane	0.0500	0.06251		mg/Kg		125	70 - 130
Bromodichloromethane	0.0500	0.05659		mg/Kg		113	70 - 130
Bromoform	0.0500	0.06467		mg/Kg		129	70 - 130
Bromomethane	0.0500	0.03100	*	mg/Kg		62	70 - 130
2-Butanone (MEK)	0.250	0.2889		mg/Kg		116	70 - 130
Carbon disulfide	0.0500	0.05859		mg/Kg		117	70 - 130
Carbon tetrachloride	0.0500	0.05934		mg/Kg		119	70 - 130
Chlorobenzene	0.0500	0.05640		mg/Kg		113	70 - 130
Chlorodibromomethane	0.0500	0.06598	*	mg/Kg		132	70 - 130
Chloroethane	0.0500	0.04844		mg/Kg		97	70 - 130
Chloroform	0.0500	0.05570		mg/Kg		111	70 - 130
Chloromethane	0.0500	0.03926		mg/Kg		79	70 - 130
cis-1,2-Dichloroethene	0.0500	0.05366		mg/Kg		107	70 - 130
cis-1,3-Dichloropropene	0.0500	0.05946		mg/Kg		119	70 - 130
Cyclohexane	0.0500	0.05444		mg/Kg		109	70 - 130
1,2-Dibromo-3-Chloropropane	0.0500	0.07631	*	mg/Kg		153	70 - 130
1,2-Dibromoethane (EDB)	0.0500	0.06006		mg/Kg		120	70 - 130
1,2-Dichlorobenzene	0.0500	0.05549		mg/Kg		111	70 - 130
1,3-Dichlorobenzene	0.0500	0.05198		mg/Kg		104	70 - 130
1,4-Dichlorobenzene	0.0500	0.04814		mg/Kg		96	70 - 130
Dichlorodifluoromethane	0.0500	0.05072		mg/Kg		101	70 - 130
1,1-Dichloroethane	0.0500	0.05274		mg/Kg		105	70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCS 490-209115/3**

**Matrix: Solid**

**Analysis Batch: 209115**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
1,2-Dichloroethane	0.0500	0.05721		mg/Kg		114	70 - 130	
1,1-Dichloroethene	0.0500	0.05488		mg/Kg		110	70 - 130	
1,2-Dichloropropane	0.0500	0.05472		mg/Kg		109	70 - 130	
Ethylbenzene	0.0500	0.05577		mg/Kg		112	70 - 130	
2-Hexanone	0.250	0.3438	*	mg/Kg		138	70 - 130	
Isopropylbenzene	0.0500	0.05650		mg/Kg		113	70 - 130	
Methyl acetate	0.250	0.1472	*	mg/Kg		59	70 - 130	
Methylcyclohexane	0.0500	0.05403		mg/Kg		108	70 - 130	
Methylene Chloride	0.0500	0.05159		mg/Kg		103	70 - 130	
4-Methyl-2-pentanone (MIBK)	0.250	0.3400	*	mg/Kg		136	70 - 130	
Methyl tert-butyl ether	0.0500	0.05906		mg/Kg		118	70 - 130	
Styrene	0.0500	0.05506		mg/Kg		110	70 - 130	
1,1,1,2-Tetrachloroethane	0.0500	0.05903		mg/Kg		118	70 - 130	
Tetrachloroethene	0.0500	0.05351		mg/Kg		107	70 - 130	
Toluene	0.0500	0.05582		mg/Kg		112	70 - 130	
trans-1,2-Dichloroethene	0.0500	0.05195		mg/Kg		104	70 - 130	
trans-1,3-Dichloropropene	0.0500	0.05421		mg/Kg		108	70 - 130	
1,2,3-Trichlorobenzene	0.0500	0.05116		mg/Kg		102	70 - 130	
1,2,4-Trichlorobenzene	0.0500	0.04576		mg/Kg		92	70 - 130	
1,1,1-Trichloroethane	0.0500	0.05778		mg/Kg		116	70 - 130	
1,1,2-Trichloroethane	0.0500	0.06104		mg/Kg		122	70 - 130	
Trichloroethene	0.0500	0.05751		mg/Kg		115	70 - 130	
Trichlorofluoromethane	0.0500	0.05689		mg/Kg		114	70 - 130	
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.05487		mg/Kg		110	70 - 130	
Vinyl chloride	0.0500	0.05038		mg/Kg		101	70 - 130	
Xylenes, Total	0.100	0.1088		mg/Kg		109	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
Toluene-d8 (Surr)	98		70 - 130

**Lab Sample ID: LCSD 490-209115/4**

**Matrix: Solid**

**Analysis Batch: 209115**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
									RPD	Limit
Acetone	0.250	0.2934		mg/Kg		117	70 - 130	1	20	
Benzene	0.0500	0.05785		mg/Kg		116	70 - 130	2	20	
Bromochloromethane	0.0500	0.06303		mg/Kg		126	70 - 130	1	20	
Bromodichloromethane	0.0500	0.05780		mg/Kg		116	70 - 130	2	20	
Bromoform	0.0500	0.06360		mg/Kg		127	70 - 130	2	20	
Bromomethane	0.0500	0.02909	*	mg/Kg		58	70 - 130	6	20	
2-Butanone (MEK)	0.250	0.2917		mg/Kg		117	70 - 130	1	20	
Carbon disulfide	0.0500	0.05874		mg/Kg		117	70 - 130	0	20	
Carbon tetrachloride	0.0500	0.06223		mg/Kg		124	70 - 130	5	20	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCSD 490-209115/4**

**Matrix: Solid**

**Analysis Batch: 209115**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							RPD	Limit		
Chlorobenzene	0.0500	0.05653		mg/Kg		113	70 - 130	0	20	
Chlorodibromomethane	0.0500	0.06434		mg/Kg		129	70 - 130	3	20	
Chloroethane	0.0500	0.05136		mg/Kg		103	70 - 130	6	20	
Chloroform	0.0500	0.05657		mg/Kg		113	70 - 130	2	20	
Chloromethane	0.0500	0.04180		mg/Kg		84	70 - 130	6	20	
cis-1,2-Dichloroethene	0.0500	0.05477		mg/Kg		110	70 - 130	2	20	
cis-1,3-Dichloropropene	0.0500	0.05909		mg/Kg		118	70 - 130	1	20	
Cyclohexane	0.0500	0.05573		mg/Kg		111	70 - 130	2	20	
1,2-Dibromo-3-Chloropropane	0.0500	0.07649	*	mg/Kg		153	70 - 130	0	20	
1,2-Dibromoethane (EDB)	0.0500	0.05908		mg/Kg		118	70 - 130	2	20	
1,2-Dichlorobenzene	0.0500	0.05416		mg/Kg		108	70 - 130	2	20	
1,3-Dichlorobenzene	0.0500	0.05118		mg/Kg		102	70 - 130	2	20	
1,4-Dichlorobenzene	0.0500	0.04890		mg/Kg		98	70 - 130	2	20	
Dichlorodifluoromethane	0.0500	0.05351		mg/Kg		107	70 - 130	5	20	
1,1-Dichloroethane	0.0500	0.05569		mg/Kg		111	70 - 130	5	20	
1,2-Dichloroethane	0.0500	0.05314		mg/Kg		106	70 - 130	7	20	
1,1-Dichloroethene	0.0500	0.05817		mg/Kg		116	70 - 130	6	20	
1,2-Dichloropropane	0.0500	0.05657		mg/Kg		113	70 - 130	3	20	
Ethylbenzene	0.0500	0.05591		mg/Kg		112	70 - 130	0	20	
2-Hexanone	0.250	0.3415	*	mg/Kg		137	70 - 130	1	20	
Isopropylbenzene	0.0500	0.05766		mg/Kg		115	70 - 130	2	20	
Methyl acetate	0.250	0.1430	*	mg/Kg		57	70 - 130	3	20	
Methylcyclohexane	0.0500	0.05561		mg/Kg		111	70 - 130	3	20	
Methylene Chloride	0.0500	0.05352		mg/Kg		107	70 - 130	4	20	
4-Methyl-2-pentanone (MIBK)	0.250	0.3295	*	mg/Kg		132	70 - 130	3	20	
Methyl tert-butyl ether	0.0500	0.05719		mg/Kg		114	70 - 130	3	20	
Styrene	0.0500	0.05441		mg/Kg		109	70 - 130	1	20	
1,1,1,2-Tetrachloroethane	0.0500	0.06099		mg/Kg		122	70 - 130	3	20	
Tetrachloroethene	0.0500	0.05449		mg/Kg		109	70 - 130	2	20	
Toluene	0.0500	0.05618		mg/Kg		112	70 - 130	1	20	
trans-1,2-Dichloroethene	0.0500	0.05646		mg/Kg		113	70 - 130	8	20	
trans-1,3-Dichloropropene	0.0500	0.05374		mg/Kg		107	70 - 130	1	20	
1,2,3-Trichlorobenzene	0.0500	0.05150		mg/Kg		103	70 - 130	1	20	
1,2,4-Trichlorobenzene	0.0500	0.04891		mg/Kg		98	70 - 130	7	20	
1,1,1-Trichloroethane	0.0500	0.05960		mg/Kg		119	70 - 130	3	20	
1,1,2-Trichloroethane	0.0500	0.05952		mg/Kg		119	70 - 130	3	20	
Trichloroethene	0.0500	0.05712		mg/Kg		114	70 - 130	1	20	
Trichlorofluoromethane	0.0500	0.05706		mg/Kg		114	70 - 130	0	20	
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.05644		mg/Kg		113	70 - 130	3	20	
Vinyl chloride	0.0500	0.05229		mg/Kg		105	70 - 130	4	20	
Xylenes, Total	0.100	0.1093		mg/Kg		109	70 - 130	1	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	98		70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: MB 490-209880/8**

**Matrix: Solid**

**Analysis Batch: 209880**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0400		0.0500	0.0400	mg/Kg			11/28/14 23:36	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			11/28/14 23:36	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			11/28/14 23:36	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			11/28/14 23:36	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			11/28/14 23:36	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			11/28/14 23:36	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			11/28/14 23:36	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			11/28/14 23:36	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			11/28/14 23:36	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			11/28/14 23:36	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			11/28/14 23:36	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			11/28/14 23:36	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			11/28/14 23:36	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			11/28/14 23:36	1
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			11/28/14 23:36	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			11/28/14 23:36	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			11/28/14 23:36	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			11/28/14 23:36	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			11/28/14 23:36	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			11/28/14 23:36	1
Methylene Chloride	<0.000860		0.0100	0.000860	mg/Kg			11/28/14 23:36	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			11/28/14 23:36	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			11/28/14 23:36	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			11/28/14 23:36	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			11/28/14 23:36	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			11/28/14 23:36	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			11/28/14 23:36	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			11/28/14 23:36	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			11/28/14 23:36	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			11/28/14 23:36	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			11/28/14 23:36	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			11/28/14 23:36	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			11/28/14 23:36	1

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

Lab Sample ID: MB 490-209880/8

Matrix: Solid

Analysis Batch: 209880

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			11/28/14 23:36	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			11/28/14 23:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		11/28/14 23:36	1
Dibromofluoromethane (Surr)	102		70 - 130		11/28/14 23:36	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		11/28/14 23:36	1
Toluene-d8 (Surr)	96		70 - 130		11/28/14 23:36	1

Lab Sample ID: LCS 490-209880/4

Matrix: Solid

Analysis Batch: 209880

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2824		mg/Kg		113	70 - 130
Benzene	0.0500	0.05972		mg/Kg		119	70 - 130
Bromochloromethane	0.0500	0.06222		mg/Kg		124	70 - 130
Bromodichloromethane	0.0500	0.04998		mg/Kg		100	70 - 130
Bromoform	0.0500	0.04626		mg/Kg		93	70 - 130
Bromomethane	0.0500	0.06417		mg/Kg		128	70 - 130
2-Butanone (MEK)	0.250	0.2965		mg/Kg		119	70 - 130
Carbon disulfide	0.0500	0.05198		mg/Kg		104	70 - 130
Carbon tetrachloride	0.0500	0.05700		mg/Kg		114	70 - 130
Chlorobenzene	0.0500	0.06003		mg/Kg		120	70 - 130
Chlorodibromomethane	0.0500	0.04837		mg/Kg		97	70 - 130
Chloroethane	0.0500	0.05870		mg/Kg		117	70 - 130
Chloroform	0.0500	0.05416		mg/Kg		108	70 - 130
Chloromethane	0.0500	0.05325		mg/Kg		106	70 - 130
cis-1,2-Dichloroethane	0.0500	0.05167		mg/Kg		103	70 - 130
cis-1,3-Dichloropropene	0.0500	0.05736		mg/Kg		115	70 - 130
Cyclohexane	0.0500	0.05400		mg/Kg		108	70 - 130
1,2-Dibromo-3-Chloropropane	0.0500	0.04927		mg/Kg		99	70 - 130
1,2-Dibromoethane (EDB)	0.0500	0.06303		mg/Kg		126	70 - 130
1,2-Dichlorobenzene	0.0500	0.05937		mg/Kg		119	70 - 130
1,3-Dichlorobenzene	0.0500	0.05845		mg/Kg		117	70 - 130
1,4-Dichlorobenzene	0.0500	0.05618		mg/Kg		112	70 - 130
Dichlorodifluoromethane	0.0500	0.06045		mg/Kg		121	70 - 130
1,1-Dichloroethane	0.0500	0.05122		mg/Kg		102	70 - 130
1,2-Dichloroethane	0.0500	0.05411		mg/Kg		108	70 - 130
1,1-Dichloroethene	0.0500	0.05713		mg/Kg		114	70 - 130
1,2-Dichloropropane	0.0500	0.05310		mg/Kg		106	70 - 130
Ethylbenzene	0.0500	0.05875		mg/Kg		117	70 - 130
2-Hexanone	0.250	0.3158		mg/Kg		126	70 - 130
Isopropylbenzene	0.0500	0.05872		mg/Kg		117	70 - 130
Methyl acetate	0.250	0.1948		mg/Kg		78	70 - 130
Methylcyclohexane	0.0500	0.05772		mg/Kg		115	70 - 130
Methylene Chloride	0.0500	0.05208		mg/Kg		104	70 - 130
4-Methyl-2-pentanone (MIBK)	0.250	0.3161		mg/Kg		126	70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCS 490-209880/4**

**Matrix: Solid**

**Analysis Batch: 209880**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Methyl tert-butyl ether	0.0500	0.06284		mg/Kg		126	70 - 130	
Styrene	0.0500	0.05691		mg/Kg		114	70 - 130	
1,1,2,2-Tetrachloroethane	0.0500	0.05418		mg/Kg		108	70 - 130	
Tetrachloroethene	0.0500	0.06551	*	mg/Kg		131	70 - 130	
Toluene	0.0500	0.06339		mg/Kg		127	70 - 130	
trans-1,2-Dichloroethene	0.0500	0.05260		mg/Kg		105	70 - 130	
trans-1,3-Dichloropropene	0.0500	0.05186		mg/Kg		104	70 - 130	
1,2,3-Trichlorobenzene	0.0500	0.06601	*	mg/Kg		132	70 - 130	
1,2,4-Trichlorobenzene	0.0500	0.06209		mg/Kg		124	70 - 130	
1,1,1-Trichloroethane	0.0500	0.05842		mg/Kg		117	70 - 130	
1,1,2-Trichloroethane	0.0500	0.06495		mg/Kg		130	70 - 130	
Trichloroethene	0.0500	0.06051		mg/Kg		121	70 - 130	
Trichlorofluoromethane	0.0500	0.06019		mg/Kg		120	70 - 130	
1,1,2-Trichloro-1,2,2-trichlorofluoroethane	0.0500	0.05916		mg/Kg		118	70 - 130	
Vinyl chloride	0.0500	0.04638		mg/Kg		93	70 - 130	
Xylenes, Total	0.100	0.1129		mg/Kg		113	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	97		70 - 130

**Lab Sample ID: LCSD 490-209880/5**

**Matrix: Solid**

**Analysis Batch: 209880**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
									RPD	Limit
Acetone	0.250	0.2524		mg/Kg		101	70 - 130	11	20	
Benzene	0.0500	0.06149		mg/Kg		123	70 - 130	3	20	
Bromochloromethane	0.0500	0.06074		mg/Kg		121	70 - 130	2	20	
Bromodichloromethane	0.0500	0.05130		mg/Kg		103	70 - 130	3	20	
Bromoform	0.0500	0.04457		mg/Kg		89	70 - 130	4	20	
Bromomethane	0.0500	0.06861	*	mg/Kg		137	70 - 130	7	20	
2-Butanone (MEK)	0.250	0.2796		mg/Kg		112	70 - 130	6	20	
Carbon disulfide	0.0500	0.05235		mg/Kg		105	70 - 130	1	20	
Carbon tetrachloride	0.0500	0.05883		mg/Kg		118	70 - 130	3	20	
Chlorobenzene	0.0500	0.06039		mg/Kg		121	70 - 130	1	20	
Chlorodibromomethane	0.0500	0.04775		mg/Kg		95	70 - 130	1	20	
Chloroethane	0.0500	0.06085		mg/Kg		122	70 - 130	4	20	
Chloroform	0.0500	0.05731		mg/Kg		115	70 - 130	6	20	
Chloromethane	0.0500	0.03864	*	mg/Kg		77	70 - 130	32	20	
cis-1,2-Dichloroethene	0.0500	0.05175		mg/Kg		103	70 - 130	0	20	
cis-1,3-Dichloropropene	0.0500	0.05654		mg/Kg		113	70 - 130	1	20	
Cyclohexane	0.0500	0.05621		mg/Kg		112	70 - 130	4	20	
1,2-Dibromo-3-Chloropropane	0.0500	0.04781		mg/Kg		96	70 - 130	3	20	
1,2-Dibromoethane (EDB)	0.0500	0.06123		mg/Kg		122	70 - 130	3	20	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCSD 490-209880/5**

**Matrix: Solid**

**Analysis Batch: 209880**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							RPD	Limit		
1,2-Dichlorobenzene	0.0500	0.06075		mg/Kg		122	70 - 130	2	20	
1,3-Dichlorobenzene	0.0500	0.05938		mg/Kg		119	70 - 130	2	20	
1,4-Dichlorobenzene	0.0500	0.05633		mg/Kg		113	70 - 130	0	20	
Dichlorodifluoromethane	0.0500	0.06312		mg/Kg		126	70 - 130	4	20	
1,1-Dichloroethane	0.0500	0.05229		mg/Kg		105	70 - 130	2	20	
1,2-Dichloroethane	0.0500	0.05302		mg/Kg		106	70 - 130	2	20	
1,1-Dichloroethene	0.0500	0.05954		mg/Kg		119	70 - 130	4	20	
1,2-Dichloropropane	0.0500	0.05377		mg/Kg		108	70 - 130	1	20	
Ethylbenzene	0.0500	0.06097		mg/Kg		122	70 - 130	4	20	
2-Hexanone	0.250	0.3044		mg/Kg		122	70 - 130	4	20	
Isopropylbenzene	0.0500	0.06047		mg/Kg		121	70 - 130	3	20	
Methyl acetate	0.250	0.1910		mg/Kg		76	70 - 130	2	20	
Methylcyclohexane	0.0500	0.06054		mg/Kg		121	70 - 130	5	20	
Methylene Chloride	0.0500	0.05241		mg/Kg		105	70 - 130	1	20	
4-Methyl-2-pentanone (MIBK)	0.250	0.3060		mg/Kg		122	70 - 130	3	20	
Methyl tert-butyl ether	0.0500	0.06169		mg/Kg		123	70 - 130	2	20	
Styrene	0.0500	0.05810		mg/Kg		116	70 - 130	2	20	
1,1,2,2-Tetrachloroethane	0.0500	0.05304		mg/Kg		106	70 - 130	2	20	
Tetrachloroethene	0.0500	0.06849	*	mg/Kg		137	70 - 130	4	20	
Toluene	0.0500	0.06588	*	mg/Kg		132	70 - 130	4	20	
trans-1,2-Dichloroethene	0.0500	0.05754		mg/Kg		115	70 - 130	9	20	
trans-1,3-Dichloropropene	0.0500	0.05102		mg/Kg		102	70 - 130	2	20	
1,2,3-Trichlorobenzene	0.0500	0.06508		mg/Kg		130	70 - 130	1	20	
1,2,4-Trichlorobenzene	0.0500	0.06177		mg/Kg		124	70 - 130	1	20	
1,1,1-Trichloroethane	0.0500	0.06069		mg/Kg		121	70 - 130	4	20	
1,1,2-Trichloroethane	0.0500	0.06465		mg/Kg		129	70 - 130	0	20	
Trichloroethene	0.0500	0.06379		mg/Kg		128	70 - 130	5	20	
Trichlorofluoromethane	0.0500	0.06183		mg/Kg		124	70 - 130	3	20	
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.06188		mg/Kg		124	70 - 130	5	20	
Vinyl chloride	0.0500	0.04766		mg/Kg		95	70 - 130	3	20	
Xylenes, Total	0.100	0.1163		mg/Kg		116	70 - 130	3	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	98		70 - 130

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-210853/6**

**Matrix: Water**

**Analysis Batch: 210853**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<2.66		25.0	2.66	ug/L			12/03/14 17:54	1
Benzene	<0.200		1.00	0.200	ug/L			12/03/14 17:54	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-210853/6**

**Matrix: Water**

**Analysis Batch: 210853**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromochloromethane	<0.150		1.00	0.150	ug/L			12/03/14 17:54	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			12/03/14 17:54	1
Bromoform	<0.290		1.00	0.290	ug/L			12/03/14 17:54	1
Bromomethane	<0.350		1.00	0.350	ug/L			12/03/14 17:54	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			12/03/14 17:54	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			12/03/14 17:54	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			12/03/14 17:54	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			12/03/14 17:54	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			12/03/14 17:54	1
Chloroethane	<0.360		1.00	0.360	ug/L			12/03/14 17:54	1
Chloroform	<0.230		1.00	0.230	ug/L			12/03/14 17:54	1
Chloromethane	<0.360		1.00	0.360	ug/L			12/03/14 17:54	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			12/03/14 17:54	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/03/14 17:54	1
Cyclohexane	<0.220		5.00	0.220	ug/L			12/03/14 17:54	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			12/03/14 17:54	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			12/03/14 17:54	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			12/03/14 17:54	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			12/03/14 17:54	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			12/03/14 17:54	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			12/03/14 17:54	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			12/03/14 17:54	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			12/03/14 17:54	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			12/03/14 17:54	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			12/03/14 17:54	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			12/03/14 17:54	1
2-Hexanone	<1.28		10.0	1.28	ug/L			12/03/14 17:54	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			12/03/14 17:54	1
Methyl acetate	<0.720		10.0	0.720	ug/L			12/03/14 17:54	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			12/03/14 17:54	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			12/03/14 17:54	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			12/03/14 17:54	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			12/03/14 17:54	1
Styrene	<0.280		1.00	0.280	ug/L			12/03/14 17:54	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			12/03/14 17:54	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			12/03/14 17:54	1
Toluene	<0.170		1.00	0.170	ug/L			12/03/14 17:54	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			12/03/14 17:54	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/03/14 17:54	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			12/03/14 17:54	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			12/03/14 17:54	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			12/03/14 17:54	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			12/03/14 17:54	1
Trichloroethene	<0.200		1.00	0.200	ug/L			12/03/14 17:54	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			12/03/14 17:54	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			12/03/14 17:54	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			12/03/14 17:54	1
Xylenes, Total	<0.380		2.00	0.380	ug/L			12/03/14 17:54	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-210853/6**

**Matrix: Water**

**Analysis Batch: 210853**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

<i>Surrogate</i>	<i>MB</i> <i>%Recovery</i>	<i>MB</i> <i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene (Surr)	103		70 - 130		12/03/14 17:54	1
Dibromofluoromethane (Surr)	91		70 - 130		12/03/14 17:54	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 130		12/03/14 17:54	1
Toluene-d8 (Surr)	100		70 - 130		12/03/14 17:54	1

**Lab Sample ID: LCS 490-210853/3**

**Matrix: Water**

**Analysis Batch: 210853**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

<i>Analyte</i>	<i>Spike</i> <i>Added</i>	<i>LCS</i> <i>Result</i>	<i>LCS</i> <i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i> <i>Limits</i>
Acetone	100	88.24		ug/L		88	54 - 145
Benzene	20.0	20.31		ug/L		102	80 - 121
Bromochloromethane	20.0	17.53		ug/L		88	78 - 129
Bromodichloromethane	20.0	20.03		ug/L		100	75 - 129
Bromoform	20.0	17.37		ug/L		87	46 - 145
Bromomethane	20.0	15.52		ug/L		78	41 - 150
2-Butanone (MEK)	100	85.26		ug/L		85	62 - 133
Carbon disulfide	20.0	19.58		ug/L		98	77 - 126
Carbon tetrachloride	20.0	17.22		ug/L		86	64 - 147
Chlorobenzene	20.0	19.37		ug/L		97	80 - 120
Chlorodibromomethane	20.0	16.79		ug/L		84	69 - 133
Chloroethane	20.0	16.57		ug/L		83	72 - 120
Chloroform	20.0	17.85		ug/L		89	73 - 129
Chloromethane	20.0	19.64		ug/L		98	12 - 150
cis-1,2-Dichloroethene	20.0	19.18		ug/L		96	76 - 125
cis-1,3-Dichloropropene	20.0	19.02		ug/L		95	74 - 140
Cyclohexane	20.0	20.49		ug/L		102	73 - 122
1,2-Dibromo-3-Chloropropane	20.0	16.61		ug/L		83	54 - 125
1,2-Dibromoethane (EDB)	20.0	19.51		ug/L		98	80 - 129
1,2-Dichlorobenzene	20.0	20.21		ug/L		101	80 - 121
1,3-Dichlorobenzene	20.0	19.74		ug/L		99	80 - 122
1,4-Dichlorobenzene	20.0	19.34		ug/L		97	80 - 120
Dichlorodifluoromethane	20.0	19.18		ug/L		96	37 - 127
1,1-Dichloroethane	20.0	20.00		ug/L		100	78 - 125
1,2-Dichloroethane	20.0	17.28		ug/L		86	77 - 121
1,1-Dichloroethene	20.0	20.49		ug/L		102	79 - 124
1,2-Dichloropropane	20.0	21.51		ug/L		108	75 - 120
Ethylbenzene	20.0	19.51		ug/L		98	80 - 130
2-Hexanone	100	90.90		ug/L		91	60 - 142
Isopropylbenzene	20.0	18.38		ug/L		92	80 - 141
Methyl acetate	100	114.1		ug/L		114	64 - 150
Methylcyclohexane	20.0	19.39		ug/L		97	71 - 129
Methylene Chloride	20.0	19.42		ug/L		97	79 - 123
4-Methyl-2-pentanone (MIBK)	100	99.44		ug/L		99	60 - 137
Methyl tert-butyl ether	20.0	17.30		ug/L		87	72 - 133
Styrene	20.0	18.83		ug/L		94	80 - 127
1,1,1,2-Tetrachloroethane	20.0	20.62		ug/L		103	69 - 131
Tetrachloroethene	20.0	19.72		ug/L		99	80 - 126

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-210853/3**

**Matrix: Water**

**Analysis Batch: 210853**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	20.0	19.49		ug/L		97	80 - 126
trans-1,2-Dichloroethene	20.0	20.59		ug/L		103	79 - 126
trans-1,3-Dichloropropene	20.0	16.94		ug/L		85	63 - 134
1,2,3-Trichlorobenzene	20.0	21.13		ug/L		106	62 - 133
1,2,4-Trichlorobenzene	20.0	20.13		ug/L		101	63 - 133
1,1,1-Trichloroethane	20.0	17.04		ug/L		85	78 - 135
1,1,2-Trichloroethane	20.0	19.25		ug/L		96	80 - 124
Trichloroethene	20.0	18.92		ug/L		95	80 - 123
Trichlorofluoromethane	20.0	16.21		ug/L		81	65 - 124
1,1,2-Trichloro-1,2,2-trichloroethane	20.0	20.14		ug/L		101	77 - 129
Vinyl chloride	20.0	20.90		ug/L		104	68 - 120
Xylenes, Total	40.0	37.34		ug/L		93	80 - 132

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130
1,2-Dichloroethane-d4 (Surr)	86		70 - 130
Toluene-d8 (Surr)	96		70 - 130

**Lab Sample ID: 490-67073-B-1 MS**

**Matrix: Water**

**Analysis Batch: 210853**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<2.66		250	203.5		ug/L		81	45 - 141
Benzene	<0.200		50.0	50.75		ug/L		101	75 - 133
Bromochloromethane	<0.150		50.0	41.65		ug/L		83	67 - 139
Bromodichloromethane	<0.170		50.0	51.36		ug/L		103	70 - 140
Bromoform	<0.290		50.0	45.31		ug/L		91	42 - 147
Bromomethane	<0.350		50.0	33.48		ug/L		67	16 - 163
2-Butanone (MEK)	<2.64		250	203.7		ug/L		81	50 - 138
Carbon disulfide	<0.220		50.0	47.47		ug/L		95	48 - 152
Carbon tetrachloride	<0.180		50.0	44.31		ug/L		89	62 - 164
Chlorobenzene	<0.180		50.0	48.43		ug/L		97	80 - 129
Chlorodibromomethane	<0.250		50.0	44.51		ug/L		89	66 - 140
Chloroethane	<0.360		50.0	46.52		ug/L		93	58 - 137
Chloroform	<0.230		50.0	43.66		ug/L		87	66 - 138
Chloromethane	<0.360		50.0	44.78		ug/L		90	10 - 169
cis-1,2-Dichloroethene	<0.210		50.0	46.92		ug/L		94	68 - 138
cis-1,3-Dichloropropene	<0.170		50.0	48.73		ug/L		97	71 - 141
Cyclohexane	<0.220		50.0	49.81		ug/L		100	58 - 144
1,2-Dibromo-3-Chloropropane	<0.940		50.0	41.40		ug/L		83	52 - 126
1,2-Dibromoethane (EDB)	<0.210		50.0	48.06		ug/L		96	75 - 137
1,2-Dichlorobenzene	<0.190		50.0	48.92		ug/L		98	79 - 128
1,3-Dichlorobenzene	<0.180		50.0	49.15		ug/L		98	77 - 131
1,4-Dichlorobenzene	<0.170		50.0	46.94		ug/L		94	78 - 126
Dichlorodifluoromethane	<0.170		50.0	53.75		ug/L		108	40 - 127

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-67073-B-1 MS**

**Matrix: Water**

**Analysis Batch: 210853**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1-Dichloroethane	<0.240		50.0	50.07		ug/L		100	71 - 139
1,2-Dichloroethane	<0.200		50.0	43.01		ug/L		86	64 - 136
1,1-Dichloroethene	<0.250		50.0	51.94		ug/L		104	70 - 142
1,2-Dichloropropane	<0.250		50.0	53.79		ug/L		108	67 - 131
Ethylbenzene	<0.190		50.0	48.89		ug/L		98	79 - 139
2-Hexanone	<1.28		250	231.6		ug/L		93	50 - 150
Isopropylbenzene	<0.330		50.0	47.44		ug/L		95	80 - 153
Methyl acetate	<0.720		250	252.1		ug/L		101	30 - 165
Methylcyclohexane	<0.200		50.0	48.50		ug/L		97	59 - 151
Methylene Chloride	<0.220		50.0	47.37		ug/L		95	64 - 139
4-Methyl-2-pentanone (MIBK)	<0.810		250	253.4		ug/L		101	50 - 147
Methyl tert-butyl ether	<0.170		50.0	41.38		ug/L		83	66 - 141
Styrene	<0.280		50.0	47.13		ug/L		94	61 - 148
1,1,2,2-Tetrachloroethane	<0.190		50.0	51.08		ug/L		102	56 - 143
Tetrachloroethene	<0.140		50.0	44.53		ug/L		89	72 - 145
Toluene	<0.170		50.0	48.57		ug/L		97	75 - 136
trans-1,2-Dichloroethene	<0.230		50.0	51.86		ug/L		104	66 - 143
trans-1,3-Dichloropropene	<0.170		50.0	43.75		ug/L		88	59 - 135
1,2,3-Trichlorobenzene	<0.230		50.0	45.27		ug/L		91	55 - 138
1,2,4-Trichlorobenzene	<0.200		50.0	45.21		ug/L		90	60 - 136
1,1,1-Trichloroethane	<0.190		50.0	43.29		ug/L		87	76 - 149
1,1,2-Trichloroethane	<0.190		50.0	47.33		ug/L		95	74 - 134
Trichloroethene	<0.200		50.0	46.99		ug/L		94	73 - 144
Trichlorofluoromethane	<0.210		50.0	46.99		ug/L		94	58 - 139
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	51.95		ug/L		104	72 - 148
Vinyl chloride	<0.180		50.0	56.45		ug/L		113	56 - 129
Xylenes, Total	<0.380		100	93.58		ug/L		94	74 - 141

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130
1,2-Dichloroethane-d4 (Surr)	87		70 - 130
Toluene-d8 (Surr)	95		70 - 130

**Lab Sample ID: 490-67073-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 210853**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	<2.66		250	198.0		ug/L		79	45 - 141	3	21
Benzene	<0.200		50.0	48.86		ug/L		98	75 - 133	4	17
Bromochloromethane	<0.150		50.0	41.43		ug/L		83	67 - 139	1	17
Bromodichloromethane	<0.170		50.0	50.99		ug/L		102	70 - 140	1	18
Bromoform	<0.290		50.0	44.64		ug/L		89	42 - 147	1	16
Bromomethane	<0.350		50.0	37.75		ug/L		75	16 - 163	12	50
2-Butanone (MEK)	<2.64		250	199.5		ug/L		80	50 - 138	2	19
Carbon disulfide	<0.220		50.0	45.76		ug/L		92	48 - 152	4	21

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-67073-C-1 MSD**

**Client Sample ID: Matrix Spike Duplicate**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 210853**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Carbon tetrachloride	<0.180		50.0	41.98		ug/L		84	62 - 164	5	19
Chlorobenzene	<0.180		50.0	46.37		ug/L		93	80 - 129	4	14
Chlorodibromomethane	<0.250		50.0	43.25		ug/L		87	66 - 140	3	15
Chloroethane	<0.360		50.0	45.90		ug/L		92	58 - 137	1	20
Chloroform	<0.230		50.0	42.76		ug/L		86	66 - 138	2	18
Chloromethane	<0.360		50.0	46.85		ug/L		94	10 - 169	5	31
cis-1,2-Dichloroethene	<0.210		50.0	45.82		ug/L		92	68 - 138	2	17
cis-1,3-Dichloropropene	<0.170		50.0	47.35		ug/L		95	71 - 141	3	15
Cyclohexane	<0.220		50.0	45.47		ug/L		91	58 - 144	9	16
1,2-Dibromo-3-Chloropropane	<0.940		50.0	40.97		ug/L		82	52 - 126	1	24
1,2-Dibromoethane (EDB)	<0.210		50.0	46.84		ug/L		94	75 - 137	3	15
1,2-Dichlorobenzene	<0.190		50.0	48.57		ug/L		97	79 - 128	1	15
1,3-Dichlorobenzene	<0.180		50.0	46.55		ug/L		93	77 - 131	5	15
1,4-Dichlorobenzene	<0.170		50.0	44.51		ug/L		89	78 - 126	5	15
Dichlorodifluoromethane	<0.170		50.0	49.04		ug/L		98	40 - 127	9	18
1,1-Dichloroethane	<0.240		50.0	48.79		ug/L		98	71 - 139	3	17
1,2-Dichloroethane	<0.200		50.0	41.39		ug/L		83	64 - 136	4	17
1,1-Dichloroethene	<0.250		50.0	49.77		ug/L		100	70 - 142	4	17
1,2-Dichloropropane	<0.250		50.0	53.26		ug/L		107	67 - 131	1	17
Ethylbenzene	<0.190		50.0	45.95		ug/L		92	79 - 139	6	15
2-Hexanone	<1.28		250	226.7		ug/L		91	50 - 150	2	15
Isopropylbenzene	<0.330		50.0	43.67		ug/L		87	80 - 153	8	16
Methyl acetate	<0.720		250	248.4		ug/L		99	30 - 165	1	31
Methylcyclohexane	<0.200		50.0	43.71		ug/L		87	59 - 151	10	19
Methylene Chloride	<0.220		50.0	46.67		ug/L		93	64 - 139	1	17
4-Methyl-2-pentanone (MIBK)	<0.810		250	246.4		ug/L		99	50 - 147	3	17
Methyl tert-butyl ether	<0.170		50.0	41.15		ug/L		82	66 - 141	1	16
Styrene	<0.280		50.0	45.43		ug/L		91	61 - 148	4	24
1,1,1,2-Tetrachloroethane	<0.190		50.0	50.03		ug/L		100	56 - 143	2	20
Tetrachloroethene	<0.140		50.0	40.73		ug/L		81	72 - 145	9	16
Toluene	<0.170		50.0	46.61		ug/L		93	75 - 136	4	15
trans-1,2-Dichloroethene	<0.230		50.0	49.67		ug/L		99	66 - 143	4	16
trans-1,3-Dichloropropene	<0.170		50.0	42.85		ug/L		86	59 - 135	2	14
1,2,3-Trichlorobenzene	<0.230		50.0	50.59		ug/L		101	55 - 138	11	25
1,2,4-Trichlorobenzene	<0.200		50.0	47.88		ug/L		96	60 - 136	6	19
1,1,1-Trichloroethane	<0.190		50.0	41.35		ug/L		83	76 - 149	5	17
1,1,2-Trichloroethane	<0.190		50.0	45.32		ug/L		91	74 - 134	4	15
Trichloroethene	<0.200		50.0	45.15		ug/L		90	73 - 144	4	17
Trichlorofluoromethane	<0.210		50.0	43.76		ug/L		88	58 - 139	7	18
1,1,2-Trichloro-1,2,2-trichfluoroet hane	<0.330		50.0	47.27		ug/L		95	72 - 148	9	18
Vinyl chloride	<0.180		50.0	56.38		ug/L		113	56 - 129	0	17
Xylenes, Total	<0.380		100	89.42		ug/L		89	74 - 141	5	15

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
Dibromofluoromethane (Surr)	90		70 - 130
1,2-Dichloroethane-d4 (Surr)	87		70 - 130

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-67073-C-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 210853**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	97		70 - 130

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-209390/1-A**  
**Matrix: Solid**  
**Analysis Batch: 209722**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 209390**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0100		0.0670	0.0100	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Acenaphthylene	<0.00900		0.0670	0.00900	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Acetophenone	<0.0700		0.333	0.0700	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Anthracene	<0.00900		0.0670	0.00900	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Atrazine	<0.167		0.333	0.167	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Benzaldehyde	<0.286		1.67	0.286	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Benzo[a]anthracene	<0.0150		0.0670	0.0150	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Benzo[a]pyrene	<0.0120		0.0670	0.0120	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Benzo[b]fluoranthene	<0.0120		0.0670	0.0120	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Benzo[g,h,i]perylene	<0.00900		0.0670	0.00900	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Benzo[k]fluoranthene	<0.0140		0.0670	0.0140	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Biphenyl	<0.104		0.333	0.104	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Bis(2-chloroethoxy)methane	<0.0120		0.333	0.0120	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Bis(2-chloroethyl)ether	<0.0200		0.333	0.0200	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
bis (2-chloroisopropyl) ether	<0.134		0.333	0.134	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Bis(2-ethylhexyl) phthalate	<0.0130		0.333	0.0130	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
4-Bromophenyl phenyl ether	<0.0170		0.333	0.0170	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Butyl benzyl phthalate	<0.0160		0.333	0.0160	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Caprolactam	<0.108		0.333	0.108	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Carbazole	<0.00700		0.333	0.00700	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
4-Chloroaniline	<0.166		0.333	0.166	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
4-Chloro-3-methylphenol	<0.0160		0.333	0.0160	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2-Chloronaphthalene	<0.0170		0.333	0.0170	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2-Chlorophenol	<0.0150		0.333	0.0150	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
4-Chlorophenyl phenyl ether	<0.0240		0.333	0.0240	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Chrysene	<0.00900		0.0670	0.00900	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Dibenz(a,h)anthracene	<0.00700		0.0670	0.00700	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Dibenzofuran	<0.0130		0.333	0.0130	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
3,3'-Dichlorobenzidine	<0.133		0.667	0.133	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2,4-Dichlorophenol	<0.0170		0.333	0.0170	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Diethyl phthalate	<0.0140		0.333	0.0140	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Dimethyl phthalate	<0.00800		1.67	0.00800	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Di-n-butyl phthalate	<0.0130		0.333	0.0130	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
4,6-Dinitro-2-methylphenol	<0.103		0.333	0.103	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2,4-Dinitrophenol	<0.110		0.333	0.110	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2,4-Dinitrotoluene	<0.00900		0.333	0.00900	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2,6-Dinitrotoluene	<0.0310		0.333	0.0310	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Di-n-octyl phthalate	<0.0130		0.333	0.0130	mg/Kg		11/26/14 11:29	11/28/14 16:11	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-209390/1-A**  
**Matrix: Solid**  
**Analysis Batch: 209722**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 209390**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Fluoranthene	<0.00900		0.0670	0.00900	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Fluorene	<0.0120		0.0670	0.0120	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Hexachlorobenzene	<0.0290		0.333	0.0290	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Hexachlorobutadiene	<0.0700		0.333	0.0700	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Hexachlorocyclopentadiene	<0.0160		0.333	0.0160	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Hexachloroethane	<0.0200		0.333	0.0200	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Indeno[1,2,3-cd]pyrene	<0.0100		0.0670	0.0100	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Isophorone	<0.0590		0.333	0.0590	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2-Methylnaphthalene	<0.0160		0.0670	0.0160	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2-Methylphenol	<0.0930		0.333	0.0930	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
3 & 4 Methylphenol	<0.0200		0.333	0.0200	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Naphthalene	<0.00900		0.0670	0.00900	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2-Nitroaniline	<0.0180		0.833	0.0180	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
3-Nitroaniline	<0.148		0.833	0.148	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
4-Nitroaniline	<0.0300		0.833	0.0300	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Nitrobenzene	<0.0170		0.333	0.0170	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2-Nitrophenol	<0.0130		0.333	0.0130	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
4-Nitrophenol	<0.0150		0.333	0.0150	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
N-Nitrosodi-n-propylamine	<0.0210		0.333	0.0210	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		0.333	0.0160	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Pentachlorophenol	<0.125		0.833	0.125	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Phenanthrene	<0.00900		0.0670	0.00900	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Phenol	<0.0140		0.333	0.0140	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
Pyrene	<0.0120		0.0670	0.0120	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	0.258	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2,3,4,6-Tetrachlorophenol	<0.169		0.333	0.169	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2,4,5-Trichlorophenol	<0.0170		0.833	0.0170	mg/Kg		11/26/14 11:29	11/28/14 16:11	1
2,4,6-Trichlorophenol	<0.0250		0.333	0.0250	mg/Kg		11/26/14 11:29	11/28/14 16:11	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	74		29 - 120	11/26/14 11:29	11/28/14 16:11	1
2-Fluorophenol (Surr)	79		10 - 120	11/26/14 11:29	11/28/14 16:11	1
Nitrobenzene-d5 (Surr)	80		27 - 120	11/26/14 11:29	11/28/14 16:11	1
Phenol-d5 (Surr)	83		10 - 120	11/26/14 11:29	11/28/14 16:11	1
Terphenyl-d14 (Surr)	85		13 - 120	11/26/14 11:29	11/28/14 16:11	1
2,4,6-Tribromophenol (Surr)	83		10 - 120	11/26/14 11:29	11/28/14 16:11	1

**Lab Sample ID: LCS 490-209390/2-A**  
**Matrix: Solid**  
**Analysis Batch: 209722**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 209390**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.255		mg/Kg		75	38 - 120
Acetophenone	1.67	1.259		mg/Kg		76	30 - 120
Anthracene	1.67	1.283		mg/Kg		77	46 - 124
Atrazine	1.67	1.380		mg/Kg		83	41 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-209390/2-A**

**Matrix: Solid**

**Analysis Batch: 209722**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 209390**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Benzaldehyde	1.67	<0.286		mg/Kg		12	10 - 150
Benzo[a]anthracene	1.67	1.292		mg/Kg		78	45 - 120
Benzo[a]pyrene	1.67	1.229		mg/Kg		74	45 - 120
Benzo[b]fluoranthene	1.67	1.229		mg/Kg		74	42 - 120
Benzo[g,h,i]perylene	1.67	1.316		mg/Kg		79	38 - 120
Benzo[k]fluoranthene	1.67	1.252		mg/Kg		75	42 - 120
Biphenyl	1.67	1.211		mg/Kg		73	15 - 120
Bis(2-chloroethoxy)methane	1.67	1.230		mg/Kg		74	32 - 120
Bis(2-chloroethyl)ether	1.67	1.196		mg/Kg		72	31 - 120
bis (2-chloroisopropyl) ether	1.67	1.099		mg/Kg		66	32 - 120
Bis(2-ethylhexyl) phthalate	1.67	1.365		mg/Kg		82	43 - 120
4-Bromophenyl phenyl ether	1.67	1.308		mg/Kg		78	40 - 120
Butyl benzyl phthalate	1.67	1.285		mg/Kg		77	43 - 133
Caprolactam	1.67	1.302		mg/Kg		78	18 - 138
Carbazole	1.67	1.296		mg/Kg		78	44 - 120
4-Chloroaniline	1.67	1.312		mg/Kg		79	35 - 120
4-Chloro-3-methylphenol	1.67	1.366		mg/Kg		82	38 - 120
2-Chloronaphthalene	1.67	1.198		mg/Kg		72	34 - 120
2-Chlorophenol	1.67	1.238		mg/Kg		74	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.293		mg/Kg		78	42 - 120
Chrysene	1.67	1.246		mg/Kg		75	43 - 120
Dibenz(a,h)anthracene	1.67	1.325		mg/Kg		80	32 - 128
Dibenzofuran	1.67	1.217		mg/Kg		73	41 - 120
3,3'-Dichlorobenzidine	1.67	1.162		mg/Kg		70	39 - 120
2,4-Dichlorophenol	1.67	1.225		mg/Kg		74	32 - 120
Diethyl phthalate	1.67	1.331		mg/Kg		80	41 - 122
2,4-Dimethylphenol	1.67	1.276		mg/Kg		77	32 - 120
Dimethyl phthalate	1.67	1.298	J	mg/Kg		78	55 - 120
Di-n-butyl phthalate	1.67	1.322		mg/Kg		79	46 - 127
4,6-Dinitro-2-methylphenol	3.33	2.291		mg/Kg		69	27 - 134
2,4-Dinitrophenol	3.33	1.871		mg/Kg		56	10 - 142
2,4-Dinitrotoluene	1.67	1.358		mg/Kg		81	43 - 120
2,6-Dinitrotoluene	1.67	1.318		mg/Kg		79	43 - 120
Di-n-octyl phthalate	1.67	1.289		mg/Kg		77	40 - 130
Fluoranthene	1.67	1.323		mg/Kg		79	46 - 120
Fluorene	1.67	1.349		mg/Kg		81	42 - 120
Hexachlorobenzene	1.67	1.307		mg/Kg		78	44 - 120
Hexachlorobutadiene	1.67	1.173		mg/Kg		70	31 - 120
Hexachlorocyclopentadiene	1.67	0.8016		mg/Kg		48	24 - 120
Hexachloroethane	1.67	1.123		mg/Kg		67	33 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.317		mg/Kg		79	41 - 121
Isophorone	1.67	1.262		mg/Kg		76	33 - 120
2-Methylnaphthalene	1.67	1.190		mg/Kg		71	28 - 120
2-Methylphenol	1.67	1.340		mg/Kg		80	36 - 120
3 & 4 Methylphenol	1.67	1.332		mg/Kg		80	37 - 120
Naphthalene	1.67	1.179		mg/Kg		71	32 - 120
2-Nitroaniline	1.67	1.353		mg/Kg		81	40 - 120
3-Nitroaniline	1.67	1.337		mg/Kg		80	42 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-209390/2-A**

**Matrix: Solid**

**Analysis Batch: 209722**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 209390**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
4-Nitroaniline	1.67	1.264		mg/Kg		76	43 - 120	
Nitrobenzene	1.67	1.248		mg/Kg		75	26 - 120	
2-Nitrophenol	1.67	1.259		mg/Kg		76	29 - 120	
4-Nitrophenol	3.33	2.898		mg/Kg		87	32 - 136	
N-Nitrosodi-n-propylamine	1.67	1.339		mg/Kg		80	35 - 120	
n-Nitrosodiphenylamine(as diphenylamine)	1.43	1.234		mg/Kg		87	52 - 140	
Pentachlorophenol	3.33	2.517		mg/Kg		76	44 - 134	
Phenanthrene	1.67	1.234		mg/Kg		74	45 - 120	
Phenol	1.67	1.287		mg/Kg		77	30 - 120	
Pyrene	1.67	1.209		mg/Kg		73	43 - 120	
1,2,4,5-Tetrachlorobenzene	1.67	1.178	J	mg/Kg		71	41 - 120	
2,3,4,6-Tetrachlorophenol	1.67	1.393		mg/Kg		84	44 - 120	
2,4,5-Trichlorophenol	1.67	1.301		mg/Kg		78	39 - 120	
2,4,6-Trichlorophenol	1.67	1.330		mg/Kg		80	39 - 120	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	69		29 - 120
2-Fluorophenol (Surr)	72		10 - 120
Nitrobenzene-d5 (Surr)	73		27 - 120
Phenol-d5 (Surr)	76		10 - 120
Terphenyl-d14 (Surr)	76		13 - 120
2,4,6-Tribromophenol (Surr)	83		10 - 120

**Lab Sample ID: 490-67189-H-1-B MS**

**Matrix: Solid**

**Analysis Batch: 209722**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 209390**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier					
Acenaphthene	<0.0113		1.93	1.623		mg/Kg	☼	84	19 - 120	
Acenaphthylene	<0.0101		1.93	1.634		mg/Kg	☼	85	25 - 120	
Acetophenone	<0.0789		1.93	1.661		mg/Kg	☼	86	10 - 200	
Anthracene	<0.0101		1.93	1.640		mg/Kg	☼	85	28 - 125	
Atrazine	<0.188		1.93	1.738		mg/Kg	☼	90	10 - 200	
Benzaldehyde	<0.322		1.93	<0.331	F1	mg/Kg	☼	0	10 - 200	
Benzo[a]anthracene	<0.0169		1.93	1.640		mg/Kg	☼	85	23 - 120	
Benzo[a]pyrene	<0.0135		1.93	1.595		mg/Kg	☼	83	15 - 128	
Benzo[b]fluoranthene	<0.0135		1.93	1.601		mg/Kg	☼	83	12 - 133	
Benzo[g,h,i]perylene	<0.0101		1.93	1.704		mg/Kg	☼	88	22 - 120	
Benzo[k]fluoranthene	<0.0158		1.93	1.559		mg/Kg	☼	81	28 - 120	
Biphenyl	<0.117		1.93	1.588		mg/Kg	☼	82	10 - 200	
Bis(2-chloroethoxy)methane	<0.0135		1.93	1.639		mg/Kg	☼	85	24 - 120	
Bis(2-chloroethyl)ether	<0.0225		1.93	1.640		mg/Kg	☼	85	22 - 120	
bis(2-chloroisopropyl) ether	<0.151		1.93	1.481		mg/Kg	☼	77	20 - 120	
Bis(2-ethylhexyl) phthalate	<0.0146		1.93	1.736		mg/Kg	☼	90	26 - 120	
4-Bromophenyl phenyl ether	<0.0191		1.93	1.700		mg/Kg	☼	88	31 - 120	
Butyl benzyl phthalate	<0.0180		1.93	1.655		mg/Kg	☼	86	24 - 133	
Caprolactam	<0.122		1.93	1.651		mg/Kg	☼	86	10 - 199	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-67189-H-1-B MS**

**Matrix: Solid**

**Analysis Batch: 209722**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 209390**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Carbazole	<0.00789		1.93	1.634		mg/Kg	*	85	25 - 123
4-Chloroaniline	<0.187		1.93	1.760		mg/Kg	*	91	26 - 120
4-Chloro-3-methylphenol	<0.0180		1.93	1.819		mg/Kg	*	94	21 - 120
2-Chloronaphthalene	<0.0191		1.93	1.599		mg/Kg	*	83	24 - 120
2-Chlorophenol	<0.0169		1.93	1.681		mg/Kg	*	87	25 - 120
4-Chlorophenyl phenyl ether	<0.0270		1.93	1.655		mg/Kg	*	86	26 - 120
Chrysene	<0.0101		1.93	1.613		mg/Kg	*	84	20 - 120
Dibenz(a,h)anthracene	<0.00789		1.93	1.725		mg/Kg	*	89	12 - 128
Dibenzofuran	<0.0146		1.93	1.576		mg/Kg	*	82	21 - 120
3,3'-Dichlorobenzidine	<0.150		1.93	1.407		mg/Kg	*	73	10 - 120
2,4-Dichlorophenol	<0.0191		1.93	1.669		mg/Kg	*	87	17 - 120
Diethyl phthalate	<0.0158		1.93	1.656		mg/Kg	*	86	29 - 122
2,4-Dimethylphenol	<0.216		1.93	1.693		mg/Kg	*	88	17 - 120
Dimethyl phthalate	<0.00901		1.93	1.613	J	mg/Kg	*	84	30 - 120
Di-n-butyl phthalate	<0.0146		1.93	1.702		mg/Kg	*	88	29 - 126
4,6-Dinitro-2-methylphenol	<0.116		3.86	2.994		mg/Kg	*	78	10 - 134
2,4-Dinitrophenol	<0.124		3.86	2.449		mg/Kg	*	64	10 - 150
2,4-Dinitrotoluene	<0.0101		1.93	1.716		mg/Kg	*	89	24 - 121
2,6-Dinitrotoluene	<0.0349		1.93	1.704		mg/Kg	*	88	24 - 120
Di-n-octyl phthalate	<0.0146		1.93	1.687		mg/Kg	*	88	27 - 130
Fluoranthene	0.0441	J	1.93	1.708		mg/Kg	*	86	10 - 143
Fluorene	<0.0135		1.93	1.727		mg/Kg	*	90	20 - 120
Hexachlorobenzene	<0.0327		1.93	1.671		mg/Kg	*	87	25 - 120
Hexachlorobutadiene	<0.0789		1.93	1.640		mg/Kg	*	85	10 - 120
Hexachlorocyclopentadiene	<0.0180		1.93	1.095		mg/Kg	*	57	10 - 120
Hexachloroethane	<0.0225		1.93	1.564		mg/Kg	*	81	10 - 120
Indeno[1,2,3-cd]pyrene	<0.0113		1.93	1.696		mg/Kg	*	88	22 - 121
Isophorone	<0.0665		1.93	1.659		mg/Kg	*	86	24 - 120
2-Methylnaphthalene	<0.0180		1.93	1.586		mg/Kg	*	82	13 - 120
2-Methylphenol	<0.105		1.93	1.755		mg/Kg	*	91	23 - 120
3 & 4 Methylphenol	<0.0225		1.93	1.788		mg/Kg	*	93	19 - 120
Naphthalene	<0.0101		1.93	1.575		mg/Kg	*	82	10 - 120
2-Nitroaniline	<0.0203		1.93	1.745		mg/Kg	*	91	31 - 120
3-Nitroaniline	<0.167		1.93	1.672		mg/Kg	*	87	31 - 120
4-Nitroaniline	<0.0338		1.93	1.533		mg/Kg	*	80	28 - 120
Nitrobenzene	<0.0191		1.93	1.702		mg/Kg	*	88	19 - 120
2-Nitrophenol	<0.0146		1.93	1.701		mg/Kg	*	88	23 - 120
4-Nitrophenol	<0.0169		3.86	3.623		mg/Kg	*	94	16 - 139
N-Nitrosodi-n-propylamine	<0.0237		1.93	1.761		mg/Kg	*	91	24 - 120
n-Nitrosodiphenylamine(as diphenylamine)	<0.0180		1.65	1.625		mg/Kg	*	99	26 - 150
Pentachlorophenol	<0.141		3.86	3.216		mg/Kg	*	83	19 - 145
Phenanthrene	<0.0101		1.93	1.587		mg/Kg	*	82	21 - 122
Phenol	0.0379	J	1.93	1.767		mg/Kg	*	90	15 - 120
Pyrene	0.0411	J	1.93	1.556		mg/Kg	*	79	20 - 123
1,2,4,5-Tetrachlorobenzene	<0.291		1.93	1.589	J	mg/Kg	*	82	10 - 200
2,3,4,6-Tetrachlorophenol	<0.190		1.93	1.754		mg/Kg	*	91	10 - 200
2,4,5-Trichlorophenol	<0.0191		1.93	1.763		mg/Kg	*	91	27 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-67189-H-1-B MS**

**Matrix: Solid**

**Analysis Batch: 209722**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 209390**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	<0.0282		1.93	1.739		mg/Kg	*	90	24 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	74		29 - 120
2-Fluorophenol (Surr)	87		10 - 120
Nitrobenzene-d5 (Surr)	86		27 - 120
Phenol-d5 (Surr)	91		10 - 120
Terphenyl-d14 (Surr)	77		13 - 120
2,4,6-Tribromophenol (Surr)	92		10 - 120

**Lab Sample ID: 490-67189-H-1-C MSD**

**Matrix: Solid**

**Analysis Batch: 209722**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 209390**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	<0.0113		1.92	1.504		mg/Kg	*	78	19 - 120	8	50
Acenaphthylene	<0.0101		1.92	1.492		mg/Kg	*	78	25 - 120	9	50
Acetophenone	<0.0789		1.92	1.495		mg/Kg	*	78	10 - 200	11	50
Anthracene	<0.0101		1.92	1.502		mg/Kg	*	78	28 - 125	9	49
Atrazine	<0.188		1.92	1.552		mg/Kg	*	81	10 - 200	11	50
Benzaldehyde	<0.322		1.92	0.3831	J	mg/Kg	*	20	10 - 200	NC	50
Benzo[a]anthracene	<0.0169		1.92	1.563		mg/Kg	*	81	23 - 120	5	50
Benzo[a]pyrene	<0.0135		1.92	1.496		mg/Kg	*	78	15 - 128	6	50
Benzo[b]fluoranthene	<0.0135		1.92	1.563		mg/Kg	*	81	12 - 133	2	50
Benzo[g,h,i]perylene	<0.0101		1.92	1.562		mg/Kg	*	81	22 - 120	9	50
Benzo[k]fluoranthene	<0.0158		1.92	1.373		mg/Kg	*	72	28 - 120	13	45
Biphenyl	<0.117		1.92	1.415		mg/Kg	*	74	10 - 200	12	50
Bis(2-chloroethoxy)methane	<0.0135		1.92	1.447		mg/Kg	*	75	24 - 120	12	50
Bis(2-chloroethyl)ether	<0.0225		1.92	1.423		mg/Kg	*	74	22 - 120	14	50
bis (2-chloroisopropyl) ether	<0.151		1.92	1.325		mg/Kg	*	69	20 - 120	11	50
Bis(2-ethylhexyl) phthalate	<0.0146		1.92	1.639		mg/Kg	*	85	26 - 120	6	50
4-Bromophenyl phenyl ether	<0.0191		1.92	1.584		mg/Kg	*	82	31 - 120	7	37
Butyl benzyl phthalate	<0.0180		1.92	1.551		mg/Kg	*	81	24 - 133	6	50
Caprolactam	<0.122		1.92	1.416		mg/Kg	*	74	10 - 199	15	50
Carbazole	<0.00789		1.92	1.490		mg/Kg	*	78	25 - 123	9	46
4-Chloroaniline	<0.187		1.92	1.498		mg/Kg	*	78	26 - 120	16	50
4-Chloro-3-methylphenol	<0.0180		1.92	1.603		mg/Kg	*	84	21 - 120	13	49
2-Chloronaphthalene	<0.0191		1.92	1.452		mg/Kg	*	76	24 - 120	10	50
2-Chlorophenol	<0.0169		1.92	1.501		mg/Kg	*	78	25 - 120	11	50
4-Chlorophenyl phenyl ether	<0.0270		1.92	1.496		mg/Kg	*	78	26 - 120	10	50
Chrysene	<0.0101		1.92	1.486		mg/Kg	*	77	20 - 120	8	49
Dibenz(a,h)anthracene	<0.00789		1.92	1.597		mg/Kg	*	83	12 - 128	8	50
Dibenzofuran	<0.0146		1.92	1.431		mg/Kg	*	75	21 - 120	10	50
3,3'-Dichlorobenzidine	<0.150		1.92	1.292		mg/Kg	*	67	10 - 120	9	50
2,4-Dichlorophenol	<0.0191		1.92	1.542		mg/Kg	*	80	17 - 120	8	50
Diethyl phthalate	<0.0158		1.92	1.457		mg/Kg	*	76	29 - 122	13	45
2,4-Dimethylphenol	<0.216		1.92	1.569		mg/Kg	*	82	17 - 120	8	50
Dimethyl phthalate	<0.00901		1.92	1.447	J	mg/Kg	*	75	30 - 120	11	46

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-67189-H-1-C MSD**

**Matrix: Solid**

**Analysis Batch: 209722**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 209390**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Di-n-butyl phthalate	<0.0146		1.92	1.532		mg/Kg	*	80	29 - 126	11	49	
4,6-Dinitro-2-methylphenol	<0.116		3.84	2.599		mg/Kg	*	68	10 - 134	14	50	
2,4-Dinitrophenol	<0.124		3.84	1.967		mg/Kg	*	51	10 - 150	22	50	
2,4-Dinitrotoluene	<0.0101		1.92	1.543		mg/Kg	*	80	24 - 121	11	50	
2,6-Dinitrotoluene	<0.0349		1.92	1.537		mg/Kg	*	80	24 - 120	10	50	
Di-n-octyl phthalate	<0.0146		1.92	1.560		mg/Kg	*	81	27 - 130	8	50	
Fluoranthene	0.0441	J	1.92	1.576		mg/Kg	*	80	10 - 143	8	50	
Fluorene	<0.0135		1.92	1.563		mg/Kg	*	81	20 - 120	10	50	
Hexachlorobenzene	<0.0327		1.92	1.542		mg/Kg	*	80	25 - 120	8	50	
Hexachlorobutadiene	<0.0789		1.92	1.516		mg/Kg	*	79	10 - 120	8	50	
Hexachlorocyclopentadiene	<0.0180		1.92	0.7528		mg/Kg	*	39	10 - 120	37	50	
Hexachloroethane	<0.0225		1.92	1.442		mg/Kg	*	75	10 - 120	8	50	
Indeno[1,2,3-cd]pyrene	<0.0113		1.92	1.568		mg/Kg	*	82	22 - 121	8	50	
Isophorone	<0.0665		1.92	1.462		mg/Kg	*	76	24 - 120	13	50	
2-Methylnaphthalene	<0.0180		1.92	1.421		mg/Kg	*	74	13 - 120	11	50	
2-Methylphenol	<0.105		1.92	1.583		mg/Kg	*	82	23 - 120	10	50	
3 & 4 Methylphenol	<0.0225		1.92	1.623		mg/Kg	*	85	19 - 120	10	50	
Naphthalene	<0.0101		1.92	1.429		mg/Kg	*	74	10 - 120	10	50	
2-Nitroaniline	<0.0203		1.92	1.600		mg/Kg	*	83	31 - 120	9	50	
3-Nitroaniline	<0.167		1.92	1.516		mg/Kg	*	79	31 - 120	10	49	
4-Nitroaniline	<0.0338		1.92	1.395		mg/Kg	*	73	28 - 120	9	49	
Nitrobenzene	<0.0191		1.92	1.526		mg/Kg	*	80	19 - 120	11	50	
2-Nitrophenol	<0.0146		1.92	1.535		mg/Kg	*	80	23 - 120	10	50	
4-Nitrophenol	<0.0169		3.84	3.248		mg/Kg	*	85	16 - 139	11	45	
N-Nitrosodi-n-propylamine	<0.0237		1.92	1.515		mg/Kg	*	79	24 - 120	15	50	
n-Nitrosodiphenylamine(as diphenylamine)	<0.0180		1.64	1.470		mg/Kg	*	90	26 - 150	10	50	
Pentachlorophenol	<0.141		3.84	2.895		mg/Kg	*	75	19 - 145	11	50	
Phenanthrene	<0.0101		1.92	1.502		mg/Kg	*	78	21 - 122	6	50	
Phenol	0.0379	J	1.92	1.555		mg/Kg	*	79	15 - 120	13	50	
Pyrene	0.0411	J	1.92	1.467		mg/Kg	*	74	20 - 123	6	50	
1,2,4,5-Tetrachlorobenzene	<0.291		1.92	1.450	J	mg/Kg	*	76	10 - 200	9	50	
2,3,4,6-Tetrachlorophenol	<0.190		1.92	1.594		mg/Kg	*	83	10 - 200	10	50	
2,4,5-Trichlorophenol	<0.0191		1.92	1.581		mg/Kg	*	82	27 - 120	11	50	
2,4,6-Trichlorophenol	<0.0282		1.92	1.618		mg/Kg	*	84	24 - 122	7	50	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	70		29 - 120
2-Fluorophenol (Surr)	79		10 - 120
Nitrobenzene-d5 (Surr)	76		27 - 120
Phenol-d5 (Surr)	80		10 - 120
Terphenyl-d14 (Surr)	74		13 - 120
2,4,6-Tribromophenol (Surr)	86		10 - 120

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC)

**Lab Sample ID: MB 490-209847/1-A**

**Matrix: Solid**

**Analysis Batch: 212364**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 209847**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000310		0.00170	0.000310	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
alpha-BHC	<0.000200		0.00170	0.000200	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
beta-BHC	<0.000200		0.00170	0.000200	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
delta-BHC	<0.000380		0.00170	0.000380	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
gamma-BHC (Lindane)	<0.000390		0.00170	0.000390	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
alpha-Chlordane	<0.000430		0.00170	0.000430	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
gamma-Chlordane	<0.000790		0.00170	0.000790	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
Chlordane (technical)	<0.0363		0.0500	0.0363	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
4,4'-DDD	<0.000430		0.00170	0.000430	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
4,4'-DDE	<0.000500		0.00170	0.000500	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
4,4'-DDT	<0.000850		0.00170	0.000850	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
Dieldrin	<0.000400		0.00170	0.000400	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
Endosulfan I	<0.000470		0.00170	0.000470	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
Endosulfan II	<0.000550		0.00170	0.000550	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
Endosulfan sulfate	<0.000500		0.00170	0.000500	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
Endrin	<0.000430		0.00170	0.000430	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
Endrin aldehyde	<0.000510		0.00170	0.000510	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
Endrin ketone	<0.000590		0.00170	0.000590	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
Heptachlor	<0.000420		0.00170	0.000420	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
Heptachlor epoxide	<0.000650		0.00170	0.000650	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
Methoxychlor	<0.000490		0.00330	0.000490	mg/Kg		11/28/14 15:52	12/08/14 22:29	1
Toxaphene	<0.0422		0.0667	0.0422	mg/Kg		11/28/14 15:52	12/08/14 22:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		21 - 145	11/28/14 15:52	12/08/14 22:29	1
DCB Decachlorobiphenyl (Surr)	80		25 - 150	11/28/14 15:52	12/08/14 22:29	1

**Lab Sample ID: LCS 490-209847/2-A**

**Matrix: Solid**

**Analysis Batch: 212364**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 209847**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0167	0.01248		mg/Kg		75	47 - 132
alpha-BHC	0.0167	0.01198		mg/Kg		72	45 - 128
beta-BHC	0.0167	0.01193		mg/Kg		72	48 - 135
delta-BHC	0.0167	0.007425		mg/Kg		45	10 - 149
gamma-BHC (Lindane)	0.0167	0.01202		mg/Kg		72	48 - 131
alpha-Chlordane	0.0167	0.01236		mg/Kg		74	47 - 134
gamma-Chlordane	0.0167	0.01337		mg/Kg		80	48 - 145
4,4'-DDD	0.0167	0.01231		mg/Kg		74	46 - 149
4,4'-DDE	0.0167	0.01327		mg/Kg		80	48 - 139
4,4'-DDT	0.0167	0.009042		mg/Kg		54	24 - 150
Dieldrin	0.0167	0.01291		mg/Kg		77	42 - 137
Endosulfan I	0.0167	0.01318		mg/Kg		79	10 - 150
Endosulfan II	0.0167	0.01292		mg/Kg		78	12 - 150
Endosulfan sulfate	0.0167	0.009750		mg/Kg		58	36 - 148
Endrin	0.0167	0.01444		mg/Kg		87	46 - 145
Endrin aldehyde	0.0167	0.009862		mg/Kg		59	48 - 150

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 490-209847/2-A**

**Matrix: Solid**

**Analysis Batch: 212364**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 209847**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Endrin ketone	0.0167	0.01142		mg/Kg		68	43 - 150	
Heptachlor	0.0167	0.01275		mg/Kg		77	45 - 140	
Heptachlor epoxide	0.0167	0.01277		mg/Kg		77	47 - 133	
Methoxychlor	0.0167	0.01093		mg/Kg		66	23 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	77		21 - 145
DCB Decachlorobiphenyl (Surr)	81		25 - 150

**Lab Sample ID: LCS 490-209847/3-A**

**Matrix: Solid**

**Analysis Batch: 212364**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 209847**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Chlordane (technical)	0.167	0.1771		mg/Kg		106	50 - 150	
Toxaphene	0.333	0.2436		mg/Kg		73	10 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	85		21 - 145
DCB Decachlorobiphenyl (Surr)	90		25 - 150

**Lab Sample ID: 490-67111-1 MS**

**Matrix: Soil**

**Analysis Batch: 212364**

**Client Sample ID: TRACT 4D SB-1 (0-2)**

**Prep Type: Total/NA**

**Prep Batch: 209847**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier					
Aldrin	<0.00308		0.0188	0.007243	J	mg/Kg	✱	39	11 - 140	
alpha-BHC	<0.00199		0.0188	0.007279	J	mg/Kg	✱	39	23 - 138	
beta-BHC	<0.00199		0.0188	0.005562	J	mg/Kg	✱	30	12 - 179	
delta-BHC	<0.00378		0.0188	<0.00429	F1	mg/Kg	✱	0	10 - 149	
gamma-BHC (Lindane)	<0.00388		0.0188	0.006645	J	mg/Kg	✱	35	24 - 145	
alpha-Chlordane	<0.00427		0.0188	0.009017	J	mg/Kg	✱	48	10 - 140	
gamma-Chlordane	<0.00785		0.0188	<0.00891	F1	mg/Kg	✱	0	10 - 140	
4,4'-DDD	<0.00427		0.0188	0.006498	J	mg/Kg	✱	35	10 - 154	
4,4'-DDE	<0.00497		0.0188	0.007095	J	mg/Kg	✱	38	14 - 139	
4,4'-DDT	<0.00845		0.0188	<0.00959	F1	mg/Kg	✱	0	10 - 152	
Dieldrin	<0.00398		0.0188	0.006762	J	mg/Kg	✱	36	10 - 148	
Endosulfan I	<0.00467		0.0188	0.007422	J	mg/Kg	✱	39	10 - 158	
Endosulfan II	<0.00547		0.0188	<0.00620	F1	mg/Kg	✱	0	10 - 152	
Endosulfan sulfate	<0.00497		0.0188	<0.00564	F1	mg/Kg	✱	0	10 - 148	
Endrin	<0.00427		0.0188	0.009379	J	mg/Kg	✱	50	20 - 145	
Endrin aldehyde	<0.00507		0.0188	<0.00575	F1	mg/Kg	✱	0	13 - 167	
Endrin ketone	<0.00586		0.0188	<0.00665	F1	mg/Kg	✱	0	13 - 150	
Heptachlor	<0.00417		0.0188	0.006978	J	mg/Kg	✱	37	10 - 161	
Heptachlor epoxide	<0.00646		0.0188	<0.00733	F1	mg/Kg	✱	0	15 - 139	
Methoxychlor	<0.00487		0.0188	<0.00553	F1	mg/Kg	✱	0	10 - 175	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 490-67111-1 MS**  
**Matrix: Soil**  
**Analysis Batch: 212364**

**Client Sample ID: TRACT 4D SB-1 (0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 209847**

<i>Surrogate</i>	<i>MS</i>	<i>MS</i>	<i>Limits</i>
	%Recovery	Qualifier	
<i>Tetrachloro-m-xylene</i>	40		21 - 145
<i>DCB Decachlorobiphenyl (Surr)</i>	33		25 - 150

**Lab Sample ID: 490-67111-1 MSD**  
**Matrix: Soil**  
**Analysis Batch: 212364**

**Client Sample ID: TRACT 4D SB-1 (0-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 209847**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
Aldrin	<0.00308		0.0188	0.007784	J	mg/Kg	*	41	11 - 140	7	50	
alpha-BHC	<0.00199		0.0188	0.007651	J	mg/Kg	*	41	23 - 138	5	50	
beta-BHC	<0.00199		0.0188	0.005780	J	mg/Kg	*	31	12 - 179	4	50	
delta-BHC	<0.00378		0.0188	<0.00430	F1	mg/Kg	*	0	10 - 149	NC	50	
gamma-BHC (Lindane)	<0.00388		0.0188	0.007268	J	mg/Kg	*	39	24 - 145	9	50	
alpha-Chlordane	<0.00427		0.0188	0.009685	J	mg/Kg	*	51	10 - 140	7	50	
gamma-Chlordane	<0.00785		0.0188	<0.00893	F1	mg/Kg	*	0	10 - 140	NC	50	
4,4'-DDD	<0.00427		0.0188	0.006890	J	mg/Kg	*	37	10 - 154	6	50	
4,4'-DDE	<0.00497		0.0188	0.007401	J	mg/Kg	*	39	14 - 139	4	50	
4,4'-DDT	<0.00845		0.0188	<0.00961	F1	mg/Kg	*	0	10 - 152	NC	50	
Dieldrin	<0.00398		0.0188	0.007441	J	mg/Kg	*	39	10 - 148	10	50	
Endosulfan I	<0.00467		0.0188	0.007404	J	mg/Kg	*	39	10 - 158	0	50	
Endosulfan II	<0.00547		0.0188	<0.00622	F1	mg/Kg	*	0	10 - 152	NC	50	
Endosulfan sulfate	<0.00497		0.0188	<0.00565	F1	mg/Kg	*	0	10 - 148	NC	50	
Endrin	<0.00427		0.0188	0.009204	J	mg/Kg	*	49	20 - 145	2	50	
Endrin aldehyde	<0.00507		0.0188	<0.00577	F1	mg/Kg	*	0	13 - 167	NC	50	
Endrin ketone	<0.00586		0.0188	<0.00667	F1	mg/Kg	*	0	13 - 150	NC	50	
Heptachlor	<0.00417		0.0188	0.008011	J	mg/Kg	*	43	10 - 161	14	50	
Heptachlor epoxide	<0.00646		0.0188	0.007690	J	mg/Kg	*	41	15 - 139	NC	50	
Methoxychlor	<0.00487		0.0188	<0.00554	F1	mg/Kg	*	0	10 - 175	NC	50	

<i>Surrogate</i>	<i>MSD</i>	<i>MSD</i>	<i>Limits</i>
	%Recovery	Qualifier	
<i>Tetrachloro-m-xylene</i>	48		21 - 145
<i>DCB Decachlorobiphenyl (Surr)</i>	38		25 - 150

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 490-209397/1-A**  
**Matrix: Solid**  
**Analysis Batch: 209854**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 209397**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0100		0.0333	0.0100	mg/Kg		11/26/14 11:45	11/29/14 09:33	1
PCB-1221	<0.0100		0.0333	0.0100	mg/Kg		11/26/14 11:45	11/29/14 09:33	1
PCB-1232	<0.0200		0.0333	0.0200	mg/Kg		11/26/14 11:45	11/29/14 09:33	1
PCB-1242	<0.0100		0.0333	0.0100	mg/Kg		11/26/14 11:45	11/29/14 09:33	1
PCB-1248	<0.0100		0.0333	0.0100	mg/Kg		11/26/14 11:45	11/29/14 09:33	1
PCB-1254	<0.0100		0.0333	0.0100	mg/Kg		11/26/14 11:45	11/29/14 09:33	1
PCB-1260	<0.0100		0.0333	0.0100	mg/Kg		11/26/14 11:45	11/29/14 09:33	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: MB 490-209397/1-A**  
**Matrix: Solid**  
**Analysis Batch: 209854**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 209397**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	145		20 - 150	11/26/14 11:45	11/29/14 09:33	1
Tetrachloro-m-xylene	115		19 - 147	11/26/14 11:45	11/29/14 09:33	1

**Lab Sample ID: LCS 490-209397/2-A**  
**Matrix: Solid**  
**Analysis Batch: 209854**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 209397**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
PCB-1016	0.167	0.2187	*	mg/Kg		131	65 - 125	
PCB-1260	0.167	0.2140		mg/Kg		128	52 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	141		20 - 150
Tetrachloro-m-xylene	115		19 - 147

**Lab Sample ID: 490-67189-H-1-E MS**  
**Matrix: Solid**  
**Analysis Batch: 209854**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 209397**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
PCB-1016	<0.0114	*	0.192	0.2111		mg/Kg	☼	110	42 - 140	
PCB-1260	<0.0114		0.192	0.1959		mg/Kg	☼	102	37 - 159	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	98		20 - 150
Tetrachloro-m-xylene	82		19 - 147

**Lab Sample ID: 490-67189-H-1-F MSD**  
**Matrix: Solid**  
**Analysis Batch: 209854**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 209397**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
									Limits		RPD	Limit
PCB-1016	<0.0114	*	0.190	0.2775	F1	mg/Kg	☼	146	42 - 140		27	50
PCB-1260	<0.0114		0.190	0.2673		mg/Kg	☼	141	37 - 159		31	50

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	118		20 - 150
Tetrachloro-m-xylene	101		19 - 147

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 490-214150/1-A**  
**Matrix: Solid**  
**Analysis Batch: 214677**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 214150**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<9.86		19.7	9.86	mg/Kg		12/15/14 11:42	12/17/14 05:21	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-214150/1-A**  
**Matrix: Solid**  
**Analysis Batch: 214677**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 214150**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.986		9.86	0.986	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Arsenic	<0.888		1.97	0.888	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Beryllium	<0.394		0.986	0.394	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Cadmium	<0.0986		0.986	0.0986	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Calcium	<98.6		197	98.6	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Chromium	<0.592		0.986	0.592	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Cobalt	<0.986		1.97	0.986	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Copper	<0.986		1.97	0.986	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Iron	<19.7		39.4	19.7	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Lead	0.7692	J	0.986	0.493	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Magnesium	<98.6		197	98.6	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Manganese	<0.986		2.96	0.986	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Nickel	<0.592		1.97	0.592	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Potassium	<98.6		197	98.6	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Selenium	<0.986		1.97	0.986	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Silver	<0.493		0.986	0.493	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Thallium	<0.986		1.97	0.986	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Vanadium	<1.97		9.86	1.97	mg/Kg		12/15/14 11:42	12/17/14 05:21	1
Zinc	<5.92		9.86	5.92	mg/Kg		12/15/14 11:42	12/17/14 05:21	1

**Lab Sample ID: MB 490-214150/1-A**  
**Matrix: Solid**  
**Analysis Batch: 214976**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 214150**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Sodium	193.5	J	197	98.6	mg/Kg		12/15/14 11:42	12/17/14 17:19	1

**Lab Sample ID: LCS 490-214150/2-A**  
**Matrix: Solid**  
**Analysis Batch: 214677**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 214150**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	789	757.2		mg/Kg		96	80 - 120	
Antimony	39.4	37.97		mg/Kg		96	80 - 120	
Arsenic	19.7	18.40		mg/Kg		93	80 - 120	
Beryllium	19.7	18.80		mg/Kg		95	80 - 120	
Cadmium	19.7	18.28		mg/Kg		93	80 - 120	
Calcium	1970	1858		mg/Kg		94	80 - 120	
Chromium	78.9	73.91		mg/Kg		94	80 - 120	
Cobalt	197	199.2		mg/Kg		101	80 - 120	
Copper	98.6	92.58		mg/Kg		94	80 - 120	
Iron	394	391.3		mg/Kg		99	80 - 120	
Lead	19.7	19.21		mg/Kg		97	80 - 120	
Magnesium	1970	1853		mg/Kg		94	80 - 120	
Manganese	197	189.0		mg/Kg		96	80 - 120	
Nickel	197	190.8		mg/Kg		97	80 - 120	
Potassium	1970	1838		mg/Kg		93	80 - 120	
Selenium	19.7	19.21		mg/Kg		97	80 - 120	
Silver	19.7	18.68		mg/Kg		95	80 - 120	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-214150/2-A**  
**Matrix: Solid**  
**Analysis Batch: 214677**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 214150**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	19.7	19.17		mg/Kg		97	80 - 120
Vanadium	197	183.4		mg/Kg		93	80 - 120
Zinc	197	185.1		mg/Kg		94	80 - 120

**Lab Sample ID: LCS 490-214150/2-A**  
**Matrix: Solid**  
**Analysis Batch: 214976**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 214150**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	1970	1946		mg/Kg		99	80 - 120

**Lab Sample ID: LCSD 490-214150/3-A**  
**Matrix: Solid**  
**Analysis Batch: 214677**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 214150**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aluminum	789	767.7		mg/Kg		97	80 - 120	1	20
Antimony	39.4	38.13		mg/Kg		97	80 - 120	0	20
Arsenic	19.7	17.67		mg/Kg		90	80 - 120	4	20
Beryllium	19.7	19.01		mg/Kg		96	80 - 120	1	20
Cadmium	19.7	18.42		mg/Kg		93	80 - 120	1	20
Calcium	1970	1875		mg/Kg		95	80 - 120	1	20
Chromium	78.9	74.36		mg/Kg		94	80 - 120	1	20
Cobalt	197	198.4		mg/Kg		101	80 - 120	0	20
Copper	98.6	93.85		mg/Kg		95	80 - 120	1	20
Iron	394	396.6		mg/Kg		101	80 - 120	1	20
Lead	19.7	19.43		mg/Kg		98	80 - 120	1	20
Magnesium	1970	1870		mg/Kg		95	80 - 120	1	20
Manganese	197	190.0		mg/Kg		96	80 - 120	0	20
Nickel	197	190.8		mg/Kg		97	80 - 120	0	20
Potassium	1970	1860		mg/Kg		94	80 - 120	1	20
Selenium	19.7	19.19		mg/Kg		97	80 - 120	0	20
Silver	19.7	18.82		mg/Kg		95	80 - 120	1	20
Thallium	19.7	19.17		mg/Kg		97	80 - 120	0	20
Vanadium	197	186.6		mg/Kg		95	80 - 120	2	20
Zinc	197	185.9		mg/Kg		94	80 - 120	0	20

**Lab Sample ID: LCSD 490-214150/3-A**  
**Matrix: Solid**  
**Analysis Batch: 214976**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 214150**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Sodium	1970	1962		mg/Kg		99	80 - 120	1	20

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-67104-A-2-P MSD**

**Matrix: Solid**

**Analysis Batch: 214677**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 214150**

Analyte	Sample	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
	Result			Result	Qualifier				Limits	RPD		
Aluminum	1890		927	3468	F1	mg/Kg	☼	170	75 - 125	5	20	
Antimony	5.43	J	46.4	50.79		mg/Kg	☼	98	75 - 125	8	20	
Beryllium	<0.462		23.2	23.25		mg/Kg	☼	100	75 - 125	10	20	
Cadmium	60.3		23.2	101.4	F1	mg/Kg	☼	177	75 - 125	1	20	
Calcium	10900		2320	13830	4	mg/Kg	☼	127	75 - 125	7	20	
Chromium	2.86		92.7	93.04		mg/Kg	☼	97	75 - 125	10	20	
Cobalt	3.76		232	234.6		mg/Kg	☼	100	75 - 125	9	20	
Copper	241		116	322.2	F1	mg/Kg	☼	70	75 - 125	8	20	
Lead	9850	B	23.2	10300	4	mg/Kg	☼	1968	75 - 125	2	20	
Magnesium	4120		2320	6773		mg/Kg	☼	115	75 - 125	8	20	
Nickel	5.91		232	230.2		mg/Kg	☼	97	75 - 125	9	20	
Potassium	1880		2320	4191		mg/Kg	☼	100	75 - 125	9	20	
Selenium	<1.15	L	23.2	13.77	F1	mg/Kg	☼	59	75 - 125	11	20	
Silver	40.8		23.2	64.23		mg/Kg	☼	101	75 - 125	13	20	
Thallium	6.26		23.2	28.56		mg/Kg	☼	96	75 - 125	10	20	
Vanadium	12.3		232	234.8		mg/Kg	☼	96	75 - 125	9	20	

**Lab Sample ID: 490-67104-B-2-B MS**

**Matrix: Solid**

**Analysis Batch: 214677**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 214150**

Analyte	Sample	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec.		RPD	Limit
	Result			Result	Qualifier				Limits	RPD		
Aluminum	1890		906	3290	F1	mg/Kg	☼	155	75 - 125			
Antimony	5.43	J	45.3	46.89		mg/Kg	☼	92	75 - 125			
Arsenic	207		22.6	255.9	4	mg/Kg	☼	215	75 - 125			
Beryllium	<0.462		22.6	20.97		mg/Kg	☼	93	75 - 125			
Cadmium	60.3		22.6	100.7	F1	mg/Kg	☼	179	75 - 125			
Calcium	10900		2260	14810	4	mg/Kg	☼	173	75 - 125			
Chromium	2.86		90.6	84.39		mg/Kg	☼	90	75 - 125			
Cobalt	3.76		226	214.4		mg/Kg	☼	93	75 - 125			
Copper	241		113	349.4		mg/Kg	☼	96	75 - 125			
Lead	9850	B	22.6	10080	4	mg/Kg	☼	1009	75 - 125			
Magnesium	4120		2260	6281		mg/Kg	☼	95	75 - 125			
Nickel	5.91		226	210.0		mg/Kg	☼	90	75 - 125			
Potassium	1880		2260	3849		mg/Kg	☼	87	75 - 125			
Selenium	<1.15	L	22.6	12.39	F1	mg/Kg	☼	55	75 - 125			
Silver	40.8		22.6	73.22	F1	mg/Kg	☼	143	75 - 125			
Thallium	6.26		22.6	25.83		mg/Kg	☼	86	75 - 125			
Vanadium	12.3		226	213.6		mg/Kg	☼	89	75 - 125			

**Lab Sample ID: 490-67104-A-2-Q DU**

**Matrix: Solid**

**Analysis Batch: 214677**

**Client Sample ID: Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 214150**

Analyte	Sample	Sample Qualifier	DU		Unit	D	RPD	RPD	
	Result		Qualifier	RPD				Limit	
Aluminum	1890		1925		mg/Kg	☼	2	20	
Antimony	5.43	J	5.005	J	mg/Kg	☼	8	20	
Arsenic	207		207.0		mg/Kg	☼	0.09	20	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-67104-A-2-Q DU**  
**Matrix: Solid**  
**Analysis Batch: 214677**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 214150**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Beryllium	<0.462		<0.451		mg/Kg	✱	NC	20
Chromium	2.86		3.945	F5	mg/Kg	✱	32	20
Cobalt	3.76		4.712	F5	mg/Kg	✱	22	20
Copper	241		246.0		mg/Kg	✱	2	20
Lead	9850	B	10360		mg/Kg	✱	5	20
Nickel	5.91		6.087		mg/Kg	✱	3	20
Potassium	1880		1906		mg/Kg	✱	2	20
Silver	40.8		47.71		mg/Kg	✱	16	20
Thallium	6.26		7.372		mg/Kg	✱	16	20
Vanadium	12.3		13.77		mg/Kg	✱	11	20

**Lab Sample ID: MB 490-215367/1-A**  
**Matrix: Solid**  
**Analysis Batch: 215599**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 215367**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	<1.53		1.91	1.53	mg/Kg		12/19/14 10:15	12/19/14 15:33	1

**Lab Sample ID: LCS 490-215367/2-A**  
**Matrix: Solid**  
**Analysis Batch: 215599**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 215367**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

**Lab Sample ID: LCSD 490-215367/3-A**  
**Matrix: Solid**  
**Analysis Batch: 215599**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 215367**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit

**Lab Sample ID: 490-69009-A-1-B MS**  
**Matrix: Solid**  
**Analysis Batch: 215599**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 215367**

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Barium	98.9		960	950.9		mg/Kg	✱	89	75 - 125

**Lab Sample ID: 490-69009-A-1-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 215599**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 215367**

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Barium	98.9		943	895.5		mg/Kg	✱	85	75 - 125	6	20

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: 490-67104-A-2-O DU  
Matrix: Solid  
Analysis Batch: 214282

Client Sample ID: Duplicate  
Prep Type: Total/NA  
Prep Batch: 213632

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury			0.7603		mg/Kg	⊛		

## Method: Moisture - Percent Moisture

Lab Sample ID: 490-67006-C-1 DU  
Matrix: Solid  
Analysis Batch: 209048

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	86		85		%		0.5	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## GC/MS VOA

### Prep Batch: 207770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66721-B-1-D MS	Matrix Spike	Total/NA	Solid	5030B	
490-66721-B-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	

### Analysis Batch: 208949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66721-B-1-D MS	Matrix Spike	Total/NA	Solid	8260B	207770
490-66721-B-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	207770
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	8260B	208977
LCS 490-208949/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-208949/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-208949/7	Method Blank	Total/NA	Solid	8260B	

### Prep Batch: 208977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66913-A-2-B MS	Matrix Spike	Total/NA	Solid	5035	
490-66913-B-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	5035	
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	5035	

### Analysis Batch: 209115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66913-A-2-B MS	Matrix Spike	Total/NA	Solid	8260B	208977
490-66913-B-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	208977
LCS 490-209115/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-209115/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-209115/6	Method Blank	Total/NA	Solid	8260B	

### Analysis Batch: 209880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	8260B	208977
LCS 490-209880/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-209880/5	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-209880/8	Method Blank	Total/NA	Solid	8260B	

### Analysis Batch: 210853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67073-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-67073-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
490-67111-3	Trip Blank	Total/NA	Water	8260B	
LCS 490-210853/3	Lab Control Sample	Total/NA	Water	8260B	
MB 490-210853/6	Method Blank	Total/NA	Water	8260B	

## GC/MS Semi VOA

### Prep Batch: 209390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	3550C	
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	3550C	
490-67189-H-1-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-67189-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## GC/MS Semi VOA (Continued)

### Prep Batch: 209390 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-209390/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-209390/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 209722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	8270D	209390
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	8270D	209390
490-67189-H-1-B MS	Matrix Spike	Total/NA	Solid	8270D	209390
490-67189-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	209390
LCS 490-209390/2-A	Lab Control Sample	Total/NA	Solid	8270D	209390
MB 490-209390/1-A	Method Blank	Total/NA	Solid	8270D	209390

## GC Semi VOA

### Prep Batch: 209397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	3550C	
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	3550C	
490-67189-H-1-E MS	Matrix Spike	Total/NA	Solid	3550C	
490-67189-H-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
LCS 490-209397/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-209397/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 209847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	3550C	
490-67111-1 MS	TRACT 4D SB-1 (0-2)	Total/NA	Soil	3550C	
490-67111-1 MSD	TRACT 4D SB-1 (0-2)	Total/NA	Soil	3550C	
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	3550C	
LCS 490-209847/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 490-209847/3-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-209847/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 209854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	8082A	209397
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	8082A	209397
490-67189-H-1-E MS	Matrix Spike	Total/NA	Solid	8082A	209397
490-67189-H-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	209397
LCS 490-209397/2-A	Lab Control Sample	Total/NA	Solid	8082A	209397
MB 490-209397/1-A	Method Blank	Total/NA	Solid	8082A	209397

### Analysis Batch: 212364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	8081B	209847
490-67111-1 MS	TRACT 4D SB-1 (0-2)	Total/NA	Soil	8081B	209847
490-67111-1 MSD	TRACT 4D SB-1 (0-2)	Total/NA	Soil	8081B	209847
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	8081B	209847
LCS 490-209847/2-A	Lab Control Sample	Total/NA	Solid	8081B	209847
LCS 490-209847/3-A	Lab Control Sample	Total/NA	Solid	8081B	209847

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## GC Semi VOA (Continued)

### Analysis Batch: 212364 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-209847/1-A	Method Blank	Total/NA	Solid	8081B	209847

## Metals

### Prep Batch: 213632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67104-A-2-O DU	Duplicate	Total/NA	Solid	7471B	
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	7471B	
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	7471B	

### Prep Batch: 214150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67104-A-2-P MSD	Matrix Spike Duplicate	Total/NA	Solid	3051A	
490-67104-A-2-Q DU	Duplicate	Total/NA	Solid	3051A	
490-67104-B-2-B MS	Matrix Spike	Total/NA	Solid	3051A	
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	3051A	
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	3051A	
LCS 490-214150/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 490-214150/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	
MB 490-214150/1-A	Method Blank	Total/NA	Solid	3051A	

### Analysis Batch: 214282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67104-A-2-O DU	Duplicate	Total/NA	Solid	7471B	213632
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	7471B	213632
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	7471B	213632

### Analysis Batch: 214677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67104-A-2-P MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	214150
490-67104-A-2-Q DU	Duplicate	Total/NA	Solid	6010C	214150
490-67104-B-2-B MS	Matrix Spike	Total/NA	Solid	6010C	214150
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	6010C	214150
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	6010C	214150
LCS 490-214150/2-A	Lab Control Sample	Total/NA	Solid	6010C	214150
LCSD 490-214150/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	214150
MB 490-214150/1-A	Method Blank	Total/NA	Solid	6010C	214150

### Analysis Batch: 214976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	6010C	214150
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	6010C	214150
LCS 490-214150/2-A	Lab Control Sample	Total/NA	Solid	6010C	214150
LCSD 490-214150/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	214150
MB 490-214150/1-A	Method Blank	Total/NA	Solid	6010C	214150

### Prep Batch: 215367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	3051A	
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	3051A	

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

## Metals (Continued)

### Prep Batch: 215367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-69009-A-1-B MS	Matrix Spike	Total/NA	Solid	3051A	
490-69009-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3051A	
LCS 490-215367/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 490-215367/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	
MB 490-215367/1-A	Method Blank	Total/NA	Solid	3051A	

### Analysis Batch: 215599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	6010C	215367
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	6010C	215367
490-69009-A-1-B MS	Matrix Spike	Total/NA	Solid	6010C	215367
490-69009-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	215367
LCS 490-215367/2-A	Lab Control Sample	Total/NA	Solid	6010C	215367
LCSD 490-215367/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	215367
MB 490-215367/1-A	Method Blank	Total/NA	Solid	6010C	215367

## General Chemistry

### Analysis Batch: 209048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67006-C-1 DU	Duplicate	Total/NA	Solid	Moisture	
490-67006-C-1 MS	Matrix Spike	Total/NA	Solid	Moisture	
490-67006-C-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
490-67111-1	TRACT 4D SB-1 (0-2)	Total/NA	Soil	Moisture	
490-67111-2	TRACT 4D SB-1 (6-10)	Total/NA	Soil	Moisture	

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4D SB-1 (0-2)**

**Lab Sample ID: 490-67111-1**

Date Collected: 11/21/14 10:20

Matrix: Soil

Date Received: 11/22/14 08:40

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.287 g	5.0 mL	208977	11/25/14 11:09	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.287 g	5.0 mL	208949	11/25/14 20:54	KKK	TAL NSH
Total/NA	Prep	3550C			34.11 g	1.00 mL	209390	11/26/14 11:29	LOJ	TAL NSH
Total/NA	Analysis	8270D		1	34.11 g	1.00 mL	209722	11/28/14 18:06	KKH	TAL NSH
Total/NA	Prep	3550C			34.13 g	10.00 mL	209847	11/28/14 15:52	LDC	TAL NSH
Total/NA	Analysis	8081B		10	34.13 g	10.00 mL	212364	12/08/14 23:06	HMT	TAL NSH
Total/NA	Prep	3550C			30.00 g	10.00 mL	209397	11/26/14 11:45	LOJ	TAL NSH
Total/NA	Analysis	8082A		1	30.00 g	10.00 mL	209854	11/29/14 11:29	MGH	TAL NSH
Total/NA	Prep	3051A			0.496 g	100 mL	214150	12/15/14 11:42	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.496 g	100 mL	214677	12/17/14 06:38	HJM	TAL NSH
Total/NA	Prep	3051A			0.496 g	100 mL	214150	12/15/14 11:42	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.496 g	100 mL	214976	12/17/14 18:26	HJM	TAL NSH
Total/NA	Prep	3051A			0.500 g	100 mL	215367	12/19/14 10:15	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.500 g	100 mL	215599	12/19/14 16:49	HJM	TAL NSH
Total/NA	Prep	7471B			0.616 g	100 mL	213632	12/12/14 11:52	TDP	TAL NSH
Total/NA	Analysis	7471B		1	0.616 g	100 mL	214282	12/15/14 16:17	AAS	TAL NSH
Total/NA	Analysis	Moisture		1			209048	11/25/14 13:05	RRS	TAL NSH

**Client Sample ID: TRACT 4D SB-1 (6-10)**

**Lab Sample ID: 490-67111-2**

Date Collected: 11/21/14 10:35

Matrix: Soil

Date Received: 11/22/14 08:40

Percent Solids: 74.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.234 g	5.0 mL	208977	11/25/14 11:09	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.234 g	5.0 mL	209880	11/29/14 01:06	KKK	TAL NSH
Total/NA	Prep	3550C			40.83 g	1.00 mL	209390	11/26/14 11:29	LOJ	TAL NSH
Total/NA	Analysis	8270D		1	40.83 g	1.00 mL	209722	11/28/14 18:29	KKH	TAL NSH
Total/NA	Prep	3550C			41.84 g	10.00 mL	209847	11/28/14 15:52	LDC	TAL NSH
Total/NA	Analysis	8081B		1	41.84 g	10.00 mL	212364	12/08/14 23:42	HMT	TAL NSH
Total/NA	Prep	3550C			30.94 g	10.00 mL	209397	11/26/14 11:45	LOJ	TAL NSH
Total/NA	Analysis	8082A		1	30.94 g	10.00 mL	209854	11/29/14 11:52	MGH	TAL NSH
Total/NA	Prep	3051A			0.502 g	100 mL	214150	12/15/14 11:42	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.502 g	100 mL	214677	12/17/14 06:42	HJM	TAL NSH
Total/NA	Prep	3051A			0.502 g	100 mL	214150	12/15/14 11:42	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.502 g	100 mL	214976	12/17/14 18:30	HJM	TAL NSH
Total/NA	Prep	3051A			0.511 g	100 mL	215367	12/19/14 10:15	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.511 g	100 mL	215599	12/19/14 16:45	HJM	TAL NSH
Total/NA	Prep	7471B			0.596 g	100 mL	213632	12/12/14 11:52	TDP	TAL NSH
Total/NA	Analysis	7471B		1	0.596 g	100 mL	214282	12/15/14 16:20	AAS	TAL NSH
Total/NA	Analysis	Moisture		1			209048	11/25/14 13:05	RRS	TAL NSH

TestAmerica Nashville

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-67111-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-67111-3**

**Date Collected: 11/21/14 01:01**

**Matrix: Water**

**Date Received: 11/22/14 08:40**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210853	12/03/14 18:21	JJR	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

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# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-671111-1  
SDG: 1131-08-554

Method	Method Description	Protocol	Laboratory
8260B	TCL VOA	SW846	TAL NSH
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
8081B	Organochlorine Pesticides (GC)	SW846	TAL NSH
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NSH
6010C	Metals (ICP)	SW846	TAL NSH
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177



# Certification Summary

Client: S&ME, Inc.  
 Project/Site: Port Access Road

TestAmerica Job ID: 490-671111-1  
 SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-15

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8081B	3550C	Soil	Chlordane (technical)
8260B		Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Water	Cyclohexane
8260B		Water	Methyl acetate
8260B		Water	Methylcyclohexane
8260B	5035	Soil	1,1,2-Trichloro-1,2,2-trichloroethane
8260B	5035	Soil	Cyclohexane
8260B	5035	Soil	Methyl acetate
8260B	5035	Soil	Methylcyclohexane
8270D	3550C	Soil	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Soil	2,3,4,6-Tetrachlorophenol
8270D	3550C	Soil	3,3'-Dichlorobenzidine
8270D	3550C	Soil	Acetophenone
8270D	3550C	Soil	Atrazine
8270D	3550C	Soil	Benzaldehyde
8270D	3550C	Soil	Biphenyl
8270D	3550C	Soil	Caprolactam
8270D	3550C	Soil	Carbazole

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Soil	3 & 4 Methylphenol
Moisture		Soil	Percent Solids





## COOLER RECEIPT FORM

Charleston



490-67111 Chain of Custody

Cooler Received/Opened On 11/22/2014 @ 0840

1. Tracking # 2035 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 2.4 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 (Front)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) [Signature]

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES ~~NO~~...NA

b. Was there any observable headspace present in any VOA vial? YES NO...NA man 11-21-14

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (Initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (Initial) [Signature]

21. Were there Non-Conformance issues at login? YES. NO Was a PIPE generated? YES NO...# \_\_\_\_\_



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-67111-1

SDG Number: 1131-08-554

**Login Number: 67111**

**List Number: 1**

**Creator: McBride, Mike**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

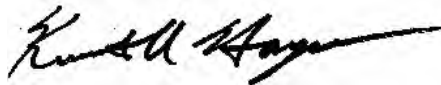
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204  
Tel: (615)726-0177

TestAmerica Job ID: 490-66957-1  
TestAmerica Sample Delivery Group: 1131-08-554  
Client Project/Site: Port Access Road

For:  
S&ME, Inc.  
620 Wando Park Boulevard  
Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline



Authorized for release by:  
12/30/2014 3:02:02 PM

Ken Hayes, Project Manager II  
(615)301-5035  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
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Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-66957-1	Tract 4C SB-1 (42-46)	Solid	11/19/14 16:45	11/21/14 08:50
490-66957-2	Tract 4C TW-1 (3-13)	Ground Water	11/19/14 15:00	11/21/14 08:50
490-66957-3	Tract 4A SB-1 (0-2)	Solid	11/20/14 09:45	11/21/14 08:50
490-66957-4	Tract 4A SB-1 (32-36)	Solid	11/20/14 12:00	11/21/14 08:50
490-66957-5	Tract 4A TW-1 (8-12)	Ground Water	11/20/14 12:15	11/21/14 08:50
490-66957-6	Tract 4 SB-2 (0-2)	Solid	11/20/14 14:15	11/21/14 08:50
490-66957-7	Tract 4 SB-2 (40-44)	Solid	11/20/14 15:40	11/21/14 08:50
490-66957-8	Tract 4 TW-2 (4-14)	Ground Water	11/20/14 15:15	11/21/14 08:50
490-66957-9	Trip Blank	Water	11/20/14 01:01	11/21/14 08:50
490-66957-10	Trip Blank	Water	11/20/14 01:01	11/21/14 08:50
490-66957-11	Trip Blank	Water	11/20/14 01:01	11/21/14 08:50



# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Job ID: 490-66957-1**

**Laboratory: TestAmerica Nashville**

## Narrative

### Job Narrative 490-66957-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 11/21/2014 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.3° C, 0.9° C, 1.9° C and 2.6° C.

Except: One sodium bisulfate preserved vial was broken during shipment: Tract 4C SB-1 (42-46) (490-66957-1)

#### GC/MS VOA

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 209880 recovered above the upper control limit for multiple analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 490-209880/3), Tract 4 SB-2 (0-2) (490-66957-6), Tract 4 SB-2 (40-44) (490-66957-7), Tract 4A SB-1 (0-2) (490-66957-3), Tract 4A SB-1 (32-36) (490-66957-4), Tract 4C SB-1 (42-46) (490-66957-1).

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 209880 recovered outside control limits for the following analytes: 1,2,3-trichlorobenzene and tetrachloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 209880 recovered outside control limits for the following analytes: toluene, bromomethane and tetrachloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 209880 recovered outside control limits for the following analytes: chloromethane

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 209880

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### GC Semi VOA

Method(s) 8081B: The continuing calibration verification (CCV) associated with batch 212364 recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: Tract 4 SB-2 (0-2) (490-66957-6), Tract 4 SB-2 (40-44) (490-66957-7), Tract 4A SB-1 (0-2) (490-66957-3), Tract 4A SB-1 (32-36) (490-66957-4), Tract 4C SB-1 (42-46) (490-66957-1).

Method(s) 8081B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 209484 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8081B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 208487.

Method(s) 8081B: The laboratory control sample (LCS) for batch 209484 recovered outside control limits for the following analytes: Endrin Aldehyde. The associated sample(s) was re-prepared and/or re-analyzed outside holding time.

Method(s) 8081B: Reanalysis of the following sample(s) was performed outside of the analytical holding time: Tract 4 SB-2 (0-2) (490-66957-6), Tract 4 SB-2 (40-44) (490-66957-7), Tract 4A SB-1 (0-2) (490-66957-3), Tract 4A SB-1 (32-36) (490-66957-4), Tract 4C

## Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

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### Job ID: 490-66957-1 (Continued)

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#### Laboratory: TestAmerica Nashville (Continued)

SB-1 (42-46) (490-66957-1).

Method(s) 8082A: Surrogate recovery for the following sample(s) was outside the upper control limit: Tract 4A SB-1 (0-2) (490-66957-3), Tract 4C SB-1 (42-46) (490-66957-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8082, 8082A: The surrogate recovery for the blank associated with batch 209484 was outside the upper control limits. All associated sample surrogates fell within acceptance criteria; therefore, the data have been reported.

Method(s) 8082, 8082A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 209484 recovered outside control limits for the following analytes: 1016. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

Method(s) 6010C: The absolute value of TI was above the reporting limit. ICP spectra has been manually reviewed and TI can be reported as ND. SB-O (0-5') (490-66935-12)

Method(s) 6010C: The method blank for batch 211379 contained Na above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 7470A: The following sample(s) was analyzed outside of analytical holding time due to lab error: Tract 4 TW-2 (4-14) (490-66957-8), Tract 4A TW-1 (8-12) (490-66957-5), Tract 4C TW-1 (3-13) (490-66957-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	RPD of the LCS and LCSD exceeds the control limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

### GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits

### Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4C SB-1 (42-46)**

**Lab Sample ID: 490-66957-1**

**Date Collected: 11/19/14 16:45**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 55.7**

**Method: 8260B - TCL VOA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.113</b>		0.0913	0.0730	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Benzene	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Bromochloromethane	<0.00100		0.00365	0.00100	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Bromodichloromethane	<0.00100		0.00365	0.00100	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Bromoform	<0.00100		0.00365	0.00100	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Bromomethane	<0.00219	*	0.00365	0.00219	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
<b>2-Butanone (MEK)</b>	<b>0.0119</b>	<b>J</b>	0.0913	0.00931	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
<b>Carbon disulfide</b>	<b>0.0166</b>		0.00913	0.00657	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Carbon tetrachloride	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Chlorobenzene	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Chlorodibromomethane	<0.000621		0.00365	0.000621	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Chloroethane	<0.00347		0.00913	0.00347	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Chloroform	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Chloromethane	<0.00122	*	0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
cis-1,2-Dichloroethene	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
cis-1,3-Dichloropropene	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Cyclohexane	<0.00602		0.0183	0.00602	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,2-Dibromo-3-Chloropropane	<0.00128		0.00913	0.00128	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,2-Dibromoethane (EDB)	<0.00183		0.00365	0.00183	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,2-Dichlorobenzene	<0.000621		0.00365	0.000621	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,3-Dichlorobenzene	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,4-Dichlorobenzene	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Dichlorodifluoromethane	<0.00183		0.00365	0.00183	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,1-Dichloroethane	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,2-Dichloroethane	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,1-Dichloroethene	<0.00104		0.00365	0.00104	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,2-Dichloropropane	<0.00172		0.00365	0.00172	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Ethylbenzene	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
2-Hexanone	<0.0305		0.0913	0.0305	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Isopropylbenzene	<0.000748		0.00365	0.000748	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Methyl acetate	<0.00438		0.0183	0.00438	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Methylcyclohexane	<0.00602		0.0183	0.00602	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Methylene Chloride	<0.00157		0.0183	0.00157	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
4-Methyl-2-pentanone (MIBK)	<0.0310		0.0913	0.0310	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Methyl tert-butyl ether	<0.00175		0.00365	0.00175	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Styrene	<0.00201		0.00365	0.00201	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,1,2,2-Tetrachloroethane	<0.00183		0.00365	0.00183	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Tetrachloroethene	<0.00133	*	0.00365	0.00133	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Toluene	<0.00135	*	0.00365	0.00135	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
trans-1,2-Dichloroethene	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
trans-1,3-Dichloropropene	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,2,3-Trichlorobenzene	<0.000694	*	0.00365	0.000694	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,2,4-Trichlorobenzene	<0.00122		0.00365	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,1,1-Trichloroethane	<0.00168		0.00365	0.00168	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,1,2-Trichloroethane	<0.00256		0.00913	0.00256	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Trichloroethene	<0.00175		0.00365	0.00175	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Trichlorofluoromethane	<0.00183		0.00365	0.00183	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.00144		0.00365	0.00144	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Vinyl chloride	<0.00201		0.00365	0.00201	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4C SB-1 (42-46)**

**Lab Sample ID: 490-66957-1**

**Date Collected: 11/19/14 16:45**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 55.7**

**Method: 8260B - TCL VOA (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00122		0.00548	0.00122	mg/Kg	☼	11/22/14 11:48	11/29/14 05:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				11/22/14 11:48	11/29/14 05:36	1
Dibromofluoromethane (Surr)	102		70 - 130				11/22/14 11:48	11/29/14 05:36	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 130				11/22/14 11:48	11/29/14 05:36	1
Toluene-d8 (Surr)	99		70 - 130				11/22/14 11:48	11/29/14 05:36	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00991		0.0664	0.00991	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Acenaphthylene	<0.00892		0.0664	0.00892	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Acetophenone	<0.0693		0.330	0.0693	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Anthracene	<0.00892		0.0664	0.00892	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Atrazine	<0.165		0.330	0.165	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Benzaldehyde	<0.283 *		1.65	0.283	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Benzo[a]anthracene	<0.0149		0.0664	0.0149	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Benzo[a]pyrene	<0.0119		0.0664	0.0119	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Benzo[b]fluoranthene	<0.0119		0.0664	0.0119	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Benzo[g,h,i]perylene	<0.00892		0.0664	0.00892	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Benzo[k]fluoranthene	<0.0139		0.0664	0.0139	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Biphenyl	<0.103		0.330	0.103	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Bis(2-chloroethoxy)methane	<0.0119		0.330	0.0119	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Bis(2-chloroethyl)ether	<0.0198		0.330	0.0198	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
bis (2-chloroisopropyl) ether	<0.133		0.330	0.133	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Bis(2-ethylhexyl) phthalate	<0.0129		0.330	0.0129	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
4-Bromophenyl phenyl ether	<0.0168		0.330	0.0168	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Butyl benzyl phthalate	<0.0158		0.330	0.0158	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Caprolactam	<0.107		0.330	0.107	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Carbazole	<0.00693		0.330	0.00693	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
4-Chloroaniline	<0.164		0.330	0.164	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
4-Chloro-3-methylphenol	<0.0158		0.330	0.0158	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2-Chloronaphthalene	<0.0168		0.330	0.0168	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2-Chlorophenol	<0.0149		0.330	0.0149	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
4-Chlorophenyl phenyl ether	<0.0238		0.330	0.0238	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Chrysene	<0.00892		0.0664	0.00892	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Dibenz(a,h)anthracene	<0.00693		0.0664	0.00693	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Dibenzofuran	<0.0129		0.330	0.0129	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
3,3'-Dichlorobenzidine	<0.132		0.661	0.132	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2,4-Dichlorophenol	<0.0168		0.330	0.0168	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Diethyl phthalate	<0.0139		0.330	0.0139	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2,4-Dimethylphenol	<0.190		0.330	0.190	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Dimethyl phthalate	<0.00792		1.65	0.00792	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Di-n-butyl phthalate	<0.0129		0.330	0.0129	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
4,6-Dinitro-2-methylphenol	<0.102		0.330	0.102	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2,4-Dinitrophenol	<0.109		0.330	0.109	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2,4-Dinitrotoluene	<0.00892		0.330	0.00892	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2,6-Dinitrotoluene	<0.0307		0.330	0.0307	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Di-n-octyl phthalate	<0.0129		0.330	0.0129	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Fluoranthene	<0.00892		0.0664	0.00892	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4C SB-1 (42-46)**

**Lab Sample ID: 490-66957-1**

**Date Collected: 11/19/14 16:45**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 55.7**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0119		0.0664	0.0119	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Hexachlorobenzene	<0.0287		0.330	0.0287	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Hexachlorobutadiene	<0.0693		0.330	0.0693	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Hexachlorocyclopentadiene	<0.0158		0.330	0.0158	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Hexachloroethane	<0.0198		0.330	0.0198	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Indeno[1,2,3-cd]pyrene	<0.00991		0.0664	0.00991	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Isophorone	<0.0584		0.330	0.0584	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2-Methylnaphthalene	<0.0158		0.0664	0.0158	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2-Methylphenol	<0.0921		0.330	0.0921	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
3 & 4 Methylphenol	<0.0198		0.330	0.0198	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Naphthalene	<0.00892		0.0664	0.00892	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2-Nitroaniline	<0.0178		0.825	0.0178	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
3-Nitroaniline	<0.147		0.825	0.147	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
4-Nitroaniline	<0.0297		0.825	0.0297	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Nitrobenzene	<0.0168		0.330	0.0168	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2-Nitrophenol	<0.0129		0.330	0.0129	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
4-Nitrophenol	<0.0149		0.330	0.0149	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
N-Nitrosodi-n-propylamine	<0.0208		0.330	0.0208	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0158		0.330	0.0158	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Pentachlorophenol	<0.124		0.825	0.124	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Phenanthrene	<0.00892		0.0664	0.00892	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Phenol	<0.0139		0.330	0.0139	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Pyrene	<0.0119		0.0664	0.0119	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
1,2,4,5-Tetrachlorobenzene	<0.256		1.65	0.256	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2,3,4,6-Tetrachlorophenol	<0.167		0.330	0.167	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2,4,5-Trichlorophenol	<0.0168		0.825	0.0168	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
2,4,6-Trichlorophenol	<0.0248		0.330	0.0248	mg/Kg	☼	11/25/14 10:45	11/26/14 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	74		29 - 120				11/25/14 10:45	11/26/14 19:51	1
2-Fluorophenol (Surr)	74		10 - 120				11/25/14 10:45	11/26/14 19:51	1
Nitrobenzene-d5 (Surr)	77		27 - 120				11/25/14 10:45	11/26/14 19:51	1
Phenol-d5 (Surr)	76		10 - 120				11/25/14 10:45	11/26/14 19:51	1
Terphenyl-d14 (Surr)	76		13 - 120				11/25/14 10:45	11/26/14 19:51	1
2,4,6-Tribromophenol (Surr)	76		10 - 120				11/25/14 10:45	11/26/14 19:51	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000333		0.00182	0.000333	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
alpha-BHC	<0.000215		0.00182	0.000215	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
beta-BHC	<0.000215		0.00182	0.000215	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
delta-BHC	<0.000408		0.00182	0.000408	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
gamma-BHC (Lindane)	<0.000418		0.00182	0.000418	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
alpha-Chlordane	<0.000461		0.00182	0.000461	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
gamma-Chlordane	<0.000848		0.00182	0.000848	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
Chlordane (technical)	<0.0389		0.0536	0.0389	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
4,4'-DDD	<0.000461		0.00182	0.000461	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
4,4'-DDE	<0.000536		0.00182	0.000536	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
4,4'-DDT	<0.000912		0.00182	0.000912	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4C SB-1 (42-46)**

**Lab Sample ID: 490-66957-1**

Date Collected: 11/19/14 16:45

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 55.7

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000429		0.00182	0.000429	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
Endosulfan I	<0.000504		0.00182	0.000504	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
Endosulfan II	<0.000590		0.00182	0.000590	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
Endosulfan sulfate	<0.000536		0.00182	0.000536	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
Endrin	<0.000461		0.00182	0.000461	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
Endrin aldehyde	<0.000547 *		0.00182	0.000547	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
Endrin ketone	<0.000633		0.00182	0.000633	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
Heptachlor	<0.000451		0.00182	0.000451	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
Heptachlor epoxide	<0.000697		0.00182	0.000697	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
Methoxychlor	<0.000526		0.00354	0.000526	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1
Toxaphene	<0.0453		0.0716	0.0453	mg/Kg	☼	11/26/14 14:42	12/09/14 01:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	92		21 - 145	11/26/14 14:42	12/09/14 01:44	1
DCB Decachlorobiphenyl (Surr)	92		25 - 150	11/26/14 14:42	12/09/14 01:44	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0107 *		0.0357	0.0107	mg/Kg	☼	11/26/14 14:42	11/29/14 14:59	1
PCB-1221	<0.0107		0.0357	0.0107	mg/Kg	☼	11/26/14 14:42	11/29/14 14:59	1
PCB-1232	<0.0215		0.0357	0.0215	mg/Kg	☼	11/26/14 14:42	11/29/14 14:59	1
PCB-1242	<0.0107		0.0357	0.0107	mg/Kg	☼	11/26/14 14:42	11/29/14 14:59	1
PCB-1248	<0.0107		0.0357	0.0107	mg/Kg	☼	11/26/14 14:42	11/29/14 14:59	1
PCB-1254	<0.0107		0.0357	0.0107	mg/Kg	☼	11/26/14 14:42	11/29/14 14:59	1
PCB-1260	<0.0107		0.0357	0.0107	mg/Kg	☼	11/26/14 14:42	11/29/14 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	166	X	20 - 150	11/26/14 14:42	11/29/14 14:59	1
Tetrachloro-m-xylene	137		19 - 147	11/26/14 14:42	11/29/14 14:59	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>15900</b>		35.6	17.8	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
Antimony	<1.78		17.8	1.78	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Arsenic</b>	<b>5.90</b>		3.56	1.60	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Barium</b>	<b>48.7</b>		3.56	2.84	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
Beryllium	<0.711		1.78	0.711	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
Cadmium	<0.178		1.78	0.178	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Calcium</b>	<b>1690</b>		356	178	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Chromium</b>	<b>22.0</b>		1.78	1.07	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Cobalt</b>	<b>1.81</b> J		3.56	1.78	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Copper</b>	<b>5.01</b>		3.56	1.78	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Iron</b>	<b>13000</b>		71.1	35.6	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Lead</b>	<b>65.4</b>		1.78	0.889	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Magnesium</b>	<b>867</b>		356	178	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Manganese</b>	<b>44.6</b>		5.33	1.78	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Nickel</b>	<b>5.33</b>		3.56	1.07	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Potassium</b>	<b>336</b> J		356	178	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
Selenium	<1.78		3.56	1.78	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
Silver	<0.889		1.78	0.889	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4C SB-1 (42-46)**

**Lab Sample ID: 490-66957-1**

**Date Collected: 11/19/14 16:45**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 55.7**

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<178		356	178	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
Thallium	<1.78		3.56	1.78	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Vanadium</b>	<b>27.9</b>		17.8	3.56	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1
<b>Zinc</b>	<b>47.6</b>		17.8	10.7	mg/Kg	☼	12/12/14 09:47	12/15/14 19:38	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0523		0.174	0.0523	mg/Kg	☼	12/08/14 16:35	12/10/14 10:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Solids</b>	<b>56</b>		0.10	0.10	%			11/22/14 09:54	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4C TW-1 (3-13)**

**Lab Sample ID: 490-66957-2**

**Date Collected: 11/19/14 15:00**

**Matrix: Ground Water**

**Date Received: 11/21/14 08:50**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2.84	J	25.0	2.66	ug/L			12/02/14 21:41	1
Benzene	<0.200		1.00	0.200	ug/L			12/02/14 21:41	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			12/02/14 21:41	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			12/02/14 21:41	1
Bromoform	<0.290		1.00	0.290	ug/L			12/02/14 21:41	1
Bromomethane	<0.350		1.00	0.350	ug/L			12/02/14 21:41	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			12/02/14 21:41	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			12/02/14 21:41	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			12/02/14 21:41	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 21:41	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			12/02/14 21:41	1
Chloroethane	<0.360		1.00	0.360	ug/L			12/02/14 21:41	1
Chloroform	<0.230		1.00	0.230	ug/L			12/02/14 21:41	1
Chloromethane	<0.360		1.00	0.360	ug/L			12/02/14 21:41	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			12/02/14 21:41	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 21:41	1
Cyclohexane	<0.220		5.00	0.220	ug/L			12/02/14 21:41	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			12/02/14 21:41	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			12/02/14 21:41	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			12/02/14 21:41	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 21:41	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			12/02/14 21:41	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			12/02/14 21:41	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			12/02/14 21:41	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			12/02/14 21:41	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			12/02/14 21:41	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			12/02/14 21:41	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			12/02/14 21:41	1
2-Hexanone	<1.28		10.0	1.28	ug/L			12/02/14 21:41	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			12/02/14 21:41	1
Methyl acetate	<0.720		10.0	0.720	ug/L			12/02/14 21:41	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			12/02/14 21:41	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			12/02/14 21:41	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			12/02/14 21:41	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			12/02/14 21:41	1
Styrene	<0.280		1.00	0.280	ug/L			12/02/14 21:41	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			12/02/14 21:41	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			12/02/14 21:41	1
Toluene	<0.170		1.00	0.170	ug/L			12/02/14 21:41	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			12/02/14 21:41	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 21:41	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			12/02/14 21:41	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			12/02/14 21:41	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 21:41	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 21:41	1
Trichloroethene	<0.200		1.00	0.200	ug/L			12/02/14 21:41	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			12/02/14 21:41	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			12/02/14 21:41	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			12/02/14 21:41	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4C TW-1 (3-13)**

**Lab Sample ID: 490-66957-2**

**Date Collected: 11/19/14 15:00**

**Matrix: Ground Water**

**Date Received: 11/21/14 08:50**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			12/02/14 21:41	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	103		70 - 130					12/02/14 21:41	1
Dibromofluoromethane (Surr)	92		70 - 130					12/02/14 21:41	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 130					12/02/14 21:41	1
Toluene-d8 (Surr)	103		70 - 130					12/02/14 21:41	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.357		1.95	0.357	ug/L		11/24/14 07:05	11/25/14 16:52	1
Acenaphthylene	<0.322		1.95	0.322	ug/L		11/24/14 07:05	11/25/14 16:52	1
Acetophenone	<1.85		9.76	1.85	ug/L		11/24/14 07:05	11/25/14 16:52	1
Anthracene	<0.861		1.95	0.861	ug/L		11/24/14 07:05	11/25/14 16:52	1
Atrazine	<3.61	*	9.76	3.61	ug/L		11/24/14 07:05	11/25/14 16:52	1
Benzaldehyde	<2.10	*	9.76	2.10	ug/L		11/24/14 07:05	11/25/14 16:52	1
Benzo[a]anthracene	<0.316		1.95	0.316	ug/L		11/24/14 07:05	11/25/14 16:52	1
Benzo[a]pyrene	<0.322		1.95	0.322	ug/L		11/24/14 07:05	11/25/14 16:52	1
Benzo[b]fluoranthene	<0.412		1.95	0.412	ug/L		11/24/14 07:05	11/25/14 16:52	1
Benzo[g,h,i]perylene	<0.280		1.95	0.280	ug/L		11/24/14 07:05	11/25/14 16:52	1
Benzo[k]fluoranthene	<0.355		1.95	0.355	ug/L		11/24/14 07:05	11/25/14 16:52	1
Biphenyl	<3.25		9.76	3.25	ug/L		11/24/14 07:05	11/25/14 16:52	1
Bis(2-chloroethoxy)methane	<1.33		9.76	1.33	ug/L		11/24/14 07:05	11/25/14 16:52	1
Bis(2-chloroethyl)ether	<1.36		9.76	1.36	ug/L		11/24/14 07:05	11/25/14 16:52	1
bis (2-chloroisopropyl) ether	<1.91		9.76	1.91	ug/L		11/24/14 07:05	11/25/14 16:52	1
Bis(2-ethylhexyl) phthalate	<2.01		9.76	2.01	ug/L		11/24/14 07:05	11/25/14 16:52	1
4-Bromophenyl phenyl ether	<1.34		9.76	1.34	ug/L		11/24/14 07:05	11/25/14 16:52	1
Butyl benzyl phthalate	<1.70		9.76	1.70	ug/L		11/24/14 07:05	11/25/14 16:52	1
Caprolactam	<3.25		9.76	3.25	ug/L		11/24/14 07:05	11/25/14 16:52	1
Carbazole	<0.292		9.76	0.292	ug/L		11/24/14 07:05	11/25/14 16:52	1
4-Chloroaniline	<1.14		9.76	1.14	ug/L		11/24/14 07:05	11/25/14 16:52	1
4-Chloro-3-methylphenol	<3.25		9.76	3.25	ug/L		11/24/14 07:05	11/25/14 16:52	1
2-Chloronaphthalene	<1.60		9.76	1.60	ug/L		11/24/14 07:05	11/25/14 16:52	1
2-Chlorophenol	<1.55		9.76	1.55	ug/L		11/24/14 07:05	11/25/14 16:52	1
4-Chlorophenyl phenyl ether	<1.71		9.76	1.71	ug/L		11/24/14 07:05	11/25/14 16:52	1
Chrysene	<1.06		1.95	1.06	ug/L		11/24/14 07:05	11/25/14 16:52	1
Dibenz(a,h)anthracene	<0.628		1.95	0.628	ug/L		11/24/14 07:05	11/25/14 16:52	1
Dibenzofuran	<0.331		9.76	0.331	ug/L		11/24/14 07:05	11/25/14 16:52	1
3,3'-Dichlorobenzidine	<1.48		9.76	1.48	ug/L		11/24/14 07:05	11/25/14 16:52	1
2,4-Dichlorophenol	<0.995		9.76	0.995	ug/L		11/24/14 07:05	11/25/14 16:52	1
<b>Diethyl phthalate</b>	<b>1.75</b>	<b>J</b>	9.76	1.58	ug/L		11/24/14 07:05	11/25/14 16:52	1
2,4-Dimethylphenol	<0.972		9.76	0.972	ug/L		11/24/14 07:05	11/25/14 16:52	1
Dimethyl phthalate	<1.77		9.76	1.77	ug/L		11/24/14 07:05	11/25/14 16:52	1
Di-n-butyl phthalate	<1.46		9.76	1.46	ug/L		11/24/14 07:05	11/25/14 16:52	1
4,6-Dinitro-2-methylphenol	<2.02		24.4	2.02	ug/L		11/24/14 07:05	11/25/14 16:52	1
2,4-Dinitrophenol	<2.40		24.4	2.40	ug/L		11/24/14 07:05	11/25/14 16:52	1
2,4-Dinitrotoluene	<3.25		9.76	3.25	ug/L		11/24/14 07:05	11/25/14 16:52	1
2,6-Dinitrotoluene	<1.89		9.76	1.89	ug/L		11/24/14 07:05	11/25/14 16:52	1
Di-n-octyl phthalate	<2.25		9.76	2.25	ug/L		11/24/14 07:05	11/25/14 16:52	1
Fluoranthene	<0.339		1.95	0.339	ug/L		11/24/14 07:05	11/25/14 16:52	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4C TW-1 (3-13)**

**Lab Sample ID: 490-66957-2**

**Date Collected: 11/19/14 15:00**

**Matrix: Ground Water**

**Date Received: 11/21/14 08:50**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.308		1.95	0.308	ug/L		11/24/14 07:05	11/25/14 16:52	1
Hexachlorobenzene	<1.65		9.76	1.65	ug/L		11/24/14 07:05	11/25/14 16:52	1
Hexachlorobutadiene	<3.25		9.76	3.25	ug/L		11/24/14 07:05	11/25/14 16:52	1
Hexachlorocyclopentadiene	<3.25		9.76	3.25	ug/L		11/24/14 07:05	11/25/14 16:52	1
Hexachloroethane	<3.25		9.76	3.25	ug/L		11/24/14 07:05	11/25/14 16:52	1
Indeno[1,2,3-cd]pyrene	<0.372		1.95	0.372	ug/L		11/24/14 07:05	11/25/14 16:52	1
Isophorone	<1.21		9.76	1.21	ug/L		11/24/14 07:05	11/25/14 16:52	1
2-Methylnaphthalene	<0.303		1.95	0.303	ug/L		11/24/14 07:05	11/25/14 16:52	1
2-Methylphenol	<3.25		9.76	3.25	ug/L		11/24/14 07:05	11/25/14 16:52	1
3 & 4 Methylphenol	<3.25		9.76	3.25	ug/L		11/24/14 07:05	11/25/14 16:52	1
Naphthalene	<0.388		1.95	0.388	ug/L		11/24/14 07:05	11/25/14 16:52	1
2-Nitroaniline	<1.01		24.4	1.01	ug/L		11/24/14 07:05	11/25/14 16:52	1
3-Nitroaniline	<1.80		24.4	1.80	ug/L		11/24/14 07:05	11/25/14 16:52	1
4-Nitroaniline	<2.33		24.4	2.33	ug/L		11/24/14 07:05	11/25/14 16:52	1
Nitrobenzene	<1.21		9.76	1.21	ug/L		11/24/14 07:05	11/25/14 16:52	1
2-Nitrophenol	<1.53		9.76	1.53	ug/L		11/24/14 07:05	11/25/14 16:52	1
4-Nitrophenol	<3.25		24.4	3.25	ug/L		11/24/14 07:05	11/25/14 16:52	1
N-Nitrosodi-n-propylamine	<1.39		9.76	1.39	ug/L		11/24/14 07:05	11/25/14 16:52	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.40		9.76	1.40	ug/L		11/24/14 07:05	11/25/14 16:52	1
Pentachlorophenol	<1.61		24.4	1.61	ug/L		11/24/14 07:05	11/25/14 16:52	1
Phenanthrene	<0.335		1.95	0.335	ug/L		11/24/14 07:05	11/25/14 16:52	1
Phenol	<3.37		9.76	3.37	ug/L		11/24/14 07:05	11/25/14 16:52	1
Pyrene	<0.323		1.95	0.323	ug/L		11/24/14 07:05	11/25/14 16:52	1
1,2,4,5-Tetrachlorobenzene	<3.94		9.76	3.94	ug/L		11/24/14 07:05	11/25/14 16:52	1
2,3,4,6-Tetrachlorophenol	<3.54		9.76	3.54	ug/L		11/24/14 07:05	11/25/14 16:52	1
2,4,5-Trichlorophenol	<1.98		24.4	1.98	ug/L		11/24/14 07:05	11/25/14 16:52	1
2,4,6-Trichlorophenol	<1.72		9.76	1.72	ug/L		11/24/14 07:05	11/25/14 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		29 - 120				11/24/14 07:05	11/25/14 16:52	1
2-Fluorophenol (Surr)	44		10 - 120				11/24/14 07:05	11/25/14 16:52	1
Nitrobenzene-d5 (Surr)	79		27 - 120				11/24/14 07:05	11/25/14 16:52	1
Phenol-d5 (Surr)	26		10 - 120				11/24/14 07:05	11/25/14 16:52	1
Terphenyl-d14 (Surr)	74		13 - 120				11/24/14 07:05	11/25/14 16:52	1
2,4,6-Tribromophenol (Surr)	82		10 - 120				11/24/14 07:05	11/25/14 16:52	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00621		0.0263	0.00621	ug/L		11/22/14 19:11	12/09/14 23:36	1
alpha-BHC	<0.0117		0.0263	0.0117	ug/L		11/22/14 19:11	12/09/14 23:36	1
beta-BHC	<0.00737		0.0263	0.00737	ug/L		11/22/14 19:11	12/09/14 23:36	1
delta-BHC	<0.00811		0.0263	0.00811	ug/L		11/22/14 19:11	12/09/14 23:36	1
gamma-BHC (Lindane)	<0.00600		0.0263	0.00600	ug/L		11/22/14 19:11	12/09/14 23:36	1
alpha-Chlordane	<0.00558		0.0263	0.00558	ug/L		11/22/14 19:11	12/09/14 23:36	1
gamma-Chlordane	<0.0189		0.0263	0.0189	ug/L		11/22/14 19:11	12/09/14 23:36	1
Chlordane (technical)	<0.193		2.11	0.193	ug/L		11/22/14 19:11	12/09/14 23:36	1
4,4'-DDD	<0.00811		0.0263	0.00811	ug/L		11/22/14 19:11	12/09/14 23:36	1
4,4'-DDE	<0.0104		0.0263	0.0104	ug/L		11/22/14 19:11	12/09/14 23:36	1
4,4'-DDT	<0.00937		0.0263	0.00937	ug/L		11/22/14 19:11	12/09/14 23:36	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4C TW-1 (3-13)**

**Lab Sample ID: 490-66957-2**

Date Collected: 11/19/14 15:00

Matrix: Ground Water

Date Received: 11/21/14 08:50

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00600		0.0263	0.00600	ug/L		11/22/14 19:11	12/09/14 23:36	1
Endosulfan I	<0.00821		0.0263	0.00821	ug/L		11/22/14 19:11	12/09/14 23:36	1
Endosulfan II	<0.00568		0.0263	0.00568	ug/L		11/22/14 19:11	12/09/14 23:36	1
Endosulfan sulfate	<0.00684		0.0263	0.00684	ug/L		11/22/14 19:11	12/09/14 23:36	1
Endrin	<0.00695		0.0263	0.00695	ug/L		11/22/14 19:11	12/09/14 23:36	1
Endrin aldehyde	<0.00916		0.0263	0.00916	ug/L		11/22/14 19:11	12/09/14 23:36	1
Endrin ketone	<0.00684		0.0263	0.00684	ug/L		11/22/14 19:11	12/09/14 23:36	1
Heptachlor	<0.00600		0.0263	0.00600	ug/L		11/22/14 19:11	12/09/14 23:36	1
Heptachlor epoxide	<0.00737		0.0263	0.00737	ug/L		11/22/14 19:11	12/09/14 23:36	1
Methoxychlor	<0.00558		0.0263	0.00558	ug/L		11/22/14 19:11	12/09/14 23:36	1
Toxaphene	<0.0435		2.11	0.0435	ug/L		11/22/14 19:11	12/09/14 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		38 - 150	11/22/14 19:11	12/09/14 23:36	1
DCB Decachlorobiphenyl (Surr)	44		10 - 141	11/22/14 19:11	12/09/14 23:36	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0516		0.526	0.0516	ug/L		11/22/14 19:11	11/27/14 17:07	1
PCB-1221	<0.274		0.526	0.274	ug/L		11/22/14 19:11	11/27/14 17:07	1
PCB-1232	<0.0737		0.526	0.0737	ug/L		11/22/14 19:11	11/27/14 17:07	1
PCB-1242	<0.0674		0.526	0.0674	ug/L		11/22/14 19:11	11/27/14 17:07	1
PCB-1248	<0.0726		0.526	0.0726	ug/L		11/22/14 19:11	11/27/14 17:07	1
PCB-1254	<0.00737		0.526	0.00737	ug/L		11/22/14 19:11	11/27/14 17:07	1
PCB-1260	<0.0126		0.526	0.0126	ug/L		11/22/14 19:11	11/27/14 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	56		10 - 150	11/22/14 19:11	11/27/14 17:07	1
Tetrachloro-m-xylene	85		10 - 150	11/22/14 19:11	11/27/14 17:07	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>10.2</b>		0.100	0.0500	mg/L		12/05/14 07:19	12/14/14 17:14	1
Antimony	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:14	1
Arsenic	<0.00720		0.0100	0.00720	mg/L		12/05/14 07:19	12/14/14 17:14	1
<b>Barium</b>	<b>0.0452</b>		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:14	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/05/14 07:19	12/14/14 17:14	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		12/05/14 07:19	12/14/14 17:14	1
<b>Calcium</b>	<b>44.6</b>		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 17:14	1
<b>Chromium</b>	<b>0.0250</b>		0.00500	0.00300	mg/L		12/05/14 07:19	12/14/14 17:14	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:14	1
Copper	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:14	1
<b>Iron</b>	<b>12.5</b>		0.100	0.0500	mg/L		12/05/14 07:19	12/14/14 17:14	1
<b>Lead</b>	<b>0.0196</b>		0.00500	0.00200	mg/L		12/05/14 07:19	12/14/14 17:14	1
<b>Magnesium</b>	<b>10.2</b>		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 17:14	1
<b>Manganese</b>	<b>0.313</b>		0.0150	0.00500	mg/L		12/05/14 07:19	12/14/14 17:14	1
<b>Nickel</b>	<b>0.00720 J</b>		0.0100	0.00300	mg/L		12/05/14 07:19	12/14/14 17:14	1
<b>Potassium</b>	<b>3.12</b>		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 17:14	1
Selenium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:14	1
Silver	<0.00250		0.00500	0.00250	mg/L		12/05/14 07:19	12/14/14 17:14	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4C TW-1 (3-13)**

**Lab Sample ID: 490-66957-2**

Date Collected: 11/19/14 15:00

Matrix: Ground Water

Date Received: 11/21/14 08:50

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>12.7</b>		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 17:14	1
Thallium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:14	1
<b>Vanadium</b>	<b>0.0245</b>		0.0200	0.0100	mg/L		12/05/14 07:19	12/14/14 17:14	1
Zinc	<0.0300		0.0500	0.0300	mg/L		12/05/14 07:19	12/14/14 17:14	1

**Method: 6010C - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		12/04/14 14:13	12/17/14 00:29	1
Antimony	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:13	12/17/14 00:29	1
Arsenic	<0.00720		0.0100	0.00720	mg/L		12/04/14 14:13	12/17/14 00:29	1
<b>Barium</b>	<b>0.0122</b>		0.0100	0.00500	mg/L		12/04/14 14:13	12/17/14 00:29	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/04/14 14:13	12/17/14 00:29	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		12/04/14 14:13	12/17/14 00:29	1
<b>Calcium</b>	<b>36.7</b>		1.00	0.500	mg/L		12/04/14 14:13	12/17/14 00:29	1
Chromium	<0.00300		0.00500	0.00300	mg/L		12/04/14 14:13	12/17/14 00:29	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:13	12/17/14 00:29	1
Copper	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:13	12/17/14 00:29	1
Iron	<0.0500		0.100	0.0500	mg/L		12/04/14 14:13	12/17/14 00:29	1
Lead	<0.00200		0.00500	0.00200	mg/L		12/04/14 14:13	12/17/14 00:29	1
<b>Magnesium</b>	<b>8.37</b>		1.00	0.500	mg/L		12/04/14 14:13	12/17/14 00:29	1
<b>Manganese</b>	<b>0.127</b>		0.0150	0.00500	mg/L		12/04/14 14:13	12/17/14 00:29	1
Nickel	<0.00300		0.0100	0.00300	mg/L		12/04/14 14:13	12/17/14 00:29	1
<b>Potassium</b>	<b>1.48</b>		1.00	0.500	mg/L		12/04/14 14:13	12/17/14 00:29	1
Selenium	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:13	12/17/14 00:29	1
Silver	<0.00250		0.00500	0.00250	mg/L		12/04/14 14:13	12/17/14 00:29	1
<b>Sodium</b>	<b>11.3 B</b>		1.00	0.500	mg/L		12/04/14 14:13	12/17/14 16:30	1
Thallium	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:13	12/17/14 00:29	1
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/04/14 14:13	12/17/14 00:29	1
Zinc	<0.0300		0.0500	0.0300	mg/L		12/04/14 14:13	12/17/14 00:29	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150	H	0.000200	0.000150	mg/L		12/24/14 12:44	12/29/14 15:44	1

**Method: 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		12/09/14 08:33	12/10/14 18:05	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A SB-1 (0-2)**

**Lab Sample ID: 490-66957-3**

**Date Collected: 11/20/14 09:45**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 85.4**

**Method: 8260B - TCL VOA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0612		0.0469	0.0375	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Benzene	0.000685	J	0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Bromochloromethane	<0.000516		0.00188	0.000516	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Bromodichloromethane	<0.000516		0.00188	0.000516	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Bromoform	<0.000516		0.00188	0.000516	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Bromomethane	<0.00113	*	0.00188	0.00113	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
2-Butanone (MEK)	<0.00478		0.0469	0.00478	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Carbon disulfide	<0.00338		0.00469	0.00338	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Carbon tetrachloride	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Chlorobenzene	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Chlorodibromomethane	<0.000319		0.00188	0.000319	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Chloroethane	<0.00178		0.00469	0.00178	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Chloroform	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Chloromethane	<0.000628	*	0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
cis-1,2-Dichloroethene	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
cis-1,3-Dichloropropene	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Cyclohexane	<0.00309		0.00938	0.00309	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,2-Dibromo-3-Chloropropane	<0.000656		0.00469	0.000656	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,2-Dibromoethane (EDB)	<0.000938		0.00188	0.000938	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,2-Dichlorobenzene	<0.000319		0.00188	0.000319	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,3-Dichlorobenzene	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,4-Dichlorobenzene	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Dichlorodifluoromethane	<0.000938		0.00188	0.000938	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,1-Dichloroethane	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,2-Dichloroethane	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,1-Dichloroethene	<0.000534		0.00188	0.000534	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,2-Dichloropropane	<0.000881		0.00188	0.000881	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Ethylbenzene	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
2-Hexanone	<0.0157		0.0469	0.0157	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Isopropylbenzene	<0.000384		0.00188	0.000384	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Methyl acetate	<0.00225		0.00938	0.00225	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Methylcyclohexane	<0.00309		0.00938	0.00309	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Methylene Chloride	0.00158	J	0.00938	0.000806	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
4-Methyl-2-pentanone (MIBK)	<0.0159		0.0469	0.0159	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Methyl tert-butyl ether	<0.000900		0.00188	0.000900	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Styrene	<0.00103		0.00188	0.00103	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,1,2,2-Tetrachloroethane	<0.000938		0.00188	0.000938	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Tetrachloroethene	<0.000684	*	0.00188	0.000684	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Toluene	<0.000694	*	0.00188	0.000694	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
trans-1,2-Dichloroethene	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
trans-1,3-Dichloropropene	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,2,3-Trichlorobenzene	<0.000356	*	0.00188	0.000356	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,2,4-Trichlorobenzene	<0.000628		0.00188	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,1,1-Trichloroethane	<0.000863		0.00188	0.000863	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,1,2-Trichloroethane	<0.00131		0.00469	0.00131	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Trichloroethene	<0.000900		0.00188	0.000900	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Trichlorofluoromethane	<0.000938		0.00188	0.000938	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000741		0.00188	0.000741	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Vinyl chloride	<0.00103		0.00188	0.00103	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A SB-1 (0-2)**

**Lab Sample ID: 490-66957-3**

Date Collected: 11/20/14 09:45

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 85.4

**Method: 8260B - TCL VOA (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000628		0.00281	0.000628	mg/Kg	☼	11/22/14 11:48	11/29/14 06:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/22/14 11:48	11/29/14 06:06	1
Dibromofluoromethane (Surr)	102		70 - 130				11/22/14 11:48	11/29/14 06:06	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 130				11/22/14 11:48	11/29/14 06:06	1
Toluene-d8 (Surr)	101		70 - 130				11/22/14 11:48	11/29/14 06:06	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00977		0.0655	0.00977	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Acenaphthylene	<0.00879		0.0655	0.00879	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Acetophenone	<0.0684		0.325	0.0684	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Anthracene	<0.00879		0.0655	0.00879	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Atrazine	<0.163		0.325	0.163	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Benzaldehyde	<0.279 *		1.63	0.279	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Benzo[a]anthracene	<0.0147		0.0655	0.0147	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Benzo[a]pyrene	<0.0117		0.0655	0.0117	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Benzo[b]fluoranthene	<0.0117		0.0655	0.0117	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Benzo[g,h,i]perylene	<0.00879		0.0655	0.00879	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Benzo[k]fluoranthene	<0.0137		0.0655	0.0137	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Biphenyl	<0.102		0.325	0.102	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Bis(2-chloroethoxy)methane	<0.0117		0.325	0.0117	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Bis(2-chloroethyl)ether	<0.0195		0.325	0.0195	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
bis (2-chloroisopropyl) ether	<0.131		0.325	0.131	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Bis(2-ethylhexyl) phthalate	<0.0127		0.325	0.0127	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
4-Bromophenyl phenyl ether	<0.0166		0.325	0.0166	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Butyl benzyl phthalate	<0.0156		0.325	0.0156	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Caprolactam	<0.106		0.325	0.106	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Carbazole	<0.00684		0.325	0.00684	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
4-Chloroaniline	<0.162		0.325	0.162	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
4-Chloro-3-methylphenol	<0.0156		0.325	0.0156	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2-Chloronaphthalene	<0.0166		0.325	0.0166	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2-Chlorophenol	<0.0147		0.325	0.0147	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
4-Chlorophenyl phenyl ether	<0.0235		0.325	0.0235	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Chrysene	<0.00879		0.0655	0.00879	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Dibenz(a,h)anthracene	<0.00684		0.0655	0.00684	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Dibenzofuran	<0.0127		0.325	0.0127	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
3,3'-Dichlorobenzidine	<0.130		0.652	0.130	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2,4-Dichlorophenol	<0.0166		0.325	0.0166	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Diethyl phthalate	<0.0137		0.325	0.0137	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2,4-Dimethylphenol	<0.188		0.325	0.188	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Dimethyl phthalate	<0.00782		1.63	0.00782	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Di-n-butyl phthalate	<0.0127		0.325	0.0127	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
4,6-Dinitro-2-methylphenol	<0.101		0.325	0.101	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2,4-Dinitrophenol	<0.107		0.325	0.107	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2,4-Dinitrotoluene	<0.00879		0.325	0.00879	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2,6-Dinitrotoluene	<0.0303		0.325	0.0303	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Di-n-octyl phthalate	<0.0127		0.325	0.0127	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Fluoranthene	<0.00879		0.0655	0.00879	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A SB-1 (0-2)**

**Lab Sample ID: 490-66957-3**

Date Collected: 11/20/14 09:45

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 85.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0117		0.0655	0.0117	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Hexachlorobenzene	<0.0283		0.325	0.0283	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Hexachlorobutadiene	<0.0684		0.325	0.0684	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Hexachlorocyclopentadiene	<0.0156		0.325	0.0156	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Hexachloroethane	<0.0195		0.325	0.0195	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Indeno[1,2,3-cd]pyrene	<0.00977		0.0655	0.00977	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Isophorone	<0.0576		0.325	0.0576	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2-Methylnaphthalene	<0.0156		0.0655	0.0156	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2-Methylphenol	<0.0909		0.325	0.0909	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
3 & 4 Methylphenol	<0.0195		0.325	0.0195	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Naphthalene	<0.00879		0.0655	0.00879	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2-Nitroaniline	<0.0176		0.814	0.0176	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
3-Nitroaniline	<0.145		0.814	0.145	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
4-Nitroaniline	<0.0293		0.814	0.0293	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Nitrobenzene	<0.0166		0.325	0.0166	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2-Nitrophenol	<0.0127		0.325	0.0127	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
4-Nitrophenol	<0.0147		0.325	0.0147	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
N-Nitrosodi-n-propylamine	<0.0205		0.325	0.0205	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0156		0.325	0.0156	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Pentachlorophenol	<0.122		0.814	0.122	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Phenanthrene	<0.00879		0.0655	0.00879	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Phenol	<0.0137		0.325	0.0137	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Pyrene	<0.0117		0.0655	0.0117	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
1,2,4,5-Tetrachlorobenzene	<0.252		1.63	0.252	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2,3,4,6-Tetrachlorophenol	<0.165		0.325	0.165	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2,4,5-Trichlorophenol	<0.0166		0.814	0.0166	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
2,4,6-Trichlorophenol	<0.0244		0.325	0.0244	mg/Kg	☼	11/25/14 10:45	11/26/14 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		29 - 120				11/25/14 10:45	11/26/14 20:14	1
2-Fluorophenol (Surr)	80		10 - 120				11/25/14 10:45	11/26/14 20:14	1
Nitrobenzene-d5 (Surr)	81		27 - 120				11/25/14 10:45	11/26/14 20:14	1
Phenol-d5 (Surr)	80		10 - 120				11/25/14 10:45	11/26/14 20:14	1
Terphenyl-d14 (Surr)	77		13 - 120				11/25/14 10:45	11/26/14 20:14	1
2,4,6-Tribromophenol (Surr)	83		10 - 120				11/25/14 10:45	11/26/14 20:14	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000307		0.00168	0.000307	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
alpha-BHC	<0.000198		0.00168	0.000198	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
beta-BHC	<0.000198		0.00168	0.000198	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
delta-BHC	<0.000377		0.00168	0.000377	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
gamma-BHC (Lindane)	<0.000387		0.00168	0.000387	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
alpha-Chlordane	<0.000426		0.00168	0.000426	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
gamma-Chlordane	<0.000783		0.00168	0.000783	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
Chlordane (technical)	<0.0360		0.0496	0.0360	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
4,4'-DDD	<0.000426		0.00168	0.000426	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
4,4'-DDE	<0.000496		0.00168	0.000496	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
4,4'-DDT	<0.000842		0.00168	0.000842	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A SB-1 (0-2)**

**Lab Sample ID: 490-66957-3**

Date Collected: 11/20/14 09:45

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 85.4

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000396		0.00168	0.000396	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
Endosulfan I	<0.000466		0.00168	0.000466	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
Endosulfan II	<0.000545		0.00168	0.000545	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
Endosulfan sulfate	<0.000496		0.00168	0.000496	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
Endrin	<0.000426		0.00168	0.000426	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
Endrin aldehyde	<0.000505 *		0.00168	0.000505	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
Endrin ketone	<0.000585		0.00168	0.000585	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
Heptachlor	<0.000416		0.00168	0.000416	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
Heptachlor epoxide	<0.000644		0.00168	0.000644	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
Methoxychlor	<0.000486		0.00327	0.000486	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1
Toxaphene	<0.0418		0.0661	0.0418	mg/Kg	☼	11/26/14 14:42	12/09/14 01:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		21 - 145	11/26/14 14:42	12/09/14 01:56	1
DCB Decachlorobiphenyl (Surr)	99		25 - 150	11/26/14 14:42	12/09/14 01:56	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00991 *		0.0330	0.00991	mg/Kg	☼	11/26/14 14:42	11/29/14 15:22	1
PCB-1221	<0.00991		0.0330	0.00991	mg/Kg	☼	11/26/14 14:42	11/29/14 15:22	1
PCB-1232	<0.0198		0.0330	0.0198	mg/Kg	☼	11/26/14 14:42	11/29/14 15:22	1
PCB-1242	<0.00991		0.0330	0.00991	mg/Kg	☼	11/26/14 14:42	11/29/14 15:22	1
PCB-1248	<0.00991		0.0330	0.00991	mg/Kg	☼	11/26/14 14:42	11/29/14 15:22	1
PCB-1254	<0.00991		0.0330	0.00991	mg/Kg	☼	11/26/14 14:42	11/29/14 15:22	1
PCB-1260	<0.00991		0.0330	0.00991	mg/Kg	☼	11/26/14 14:42	11/29/14 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	151	X	20 - 150	11/26/14 14:42	11/29/14 15:22	1
Tetrachloro-m-xylene	121		19 - 147	11/26/14 14:42	11/29/14 15:22	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>9800</b>		23.6	11.8	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
Antimony	<1.18		11.8	1.18	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Arsenic</b>	<b>9.49</b>		2.36	1.06	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Barium</b>	<b>21.0</b>		2.36	1.88	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Beryllium</b>	<b>0.872</b>	J	1.18	0.471	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Cadmium</b>	<b>0.118</b>	J	1.18	0.118	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Calcium</b>	<b>7810</b>		236	118	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Chromium</b>	<b>21.5</b>		1.18	0.707	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Cobalt</b>	<b>4.92</b>		2.36	1.18	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Copper</b>	<b>3.18</b>		2.36	1.18	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Iron</b>	<b>17200</b>		47.1	23.6	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Lead</b>	<b>12.9</b>		1.18	0.589	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Magnesium</b>	<b>4000</b>		236	118	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Manganese</b>	<b>162</b>		3.53	1.18	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Nickel</b>	<b>7.73</b>		2.36	0.707	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
<b>Potassium</b>	<b>2220</b>		236	118	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
Selenium	<1.18		2.36	1.18	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
Silver	<0.589		1.18	0.589	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A SB-1 (0-2)**

**Lab Sample ID: 490-66957-3**

Date Collected: 11/20/14 09:45

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 85.4

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	779		236	118	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
Thallium	<1.18		2.36	1.18	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
Vanadium	19.5		11.8	2.36	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1
Zinc	28.1		11.8	7.07	mg/Kg	☼	12/12/14 09:47	12/15/14 19:43	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0524	J	0.112	0.0337	mg/Kg	☼	12/08/14 16:35	12/10/14 10:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	85		0.10	0.10	%			11/22/14 09:54	1



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A SB-1 (32-36)**

**Lab Sample ID: 490-66957-4**

**Date Collected: 11/20/14 12:00**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 54.8**

**Method: 8260B - TCL VOA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.265</b>		0.106	0.0845	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Benzene	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Bromochloromethane	<0.00116		0.00422	0.00116	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Bromodichloromethane	<0.00116		0.00422	0.00116	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Bromoform	<0.00116		0.00422	0.00116	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Bromomethane	<0.00253	*	0.00422	0.00253	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
<b>2-Butanone (MEK)</b>	<b>0.0245</b>	<b>J</b>	0.106	0.0108	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
<b>Carbon disulfide</b>	<b>0.0587</b>		0.0106	0.00760	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Carbon tetrachloride	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Chlorobenzene	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Chlorodibromomethane	<0.000718		0.00422	0.000718	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Chloroethane	<0.00401		0.0106	0.00401	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Chloroform	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Chloromethane	<0.00141	*	0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
cis-1,2-Dichloroethene	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
cis-1,3-Dichloropropene	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Cyclohexane	<0.00697		0.0211	0.00697	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,2-Dibromo-3-Chloropropane	<0.00148		0.0106	0.00148	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,2-Dibromoethane (EDB)	<0.00211		0.00422	0.00211	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,2-Dichlorobenzene	<0.000718		0.00422	0.000718	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,3-Dichlorobenzene	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,4-Dichlorobenzene	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Dichlorodifluoromethane	<0.00211		0.00422	0.00211	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,1-Dichloroethane	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,2-Dichloroethane	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,1-Dichloroethene	<0.00120		0.00422	0.00120	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,2-Dichloropropane	<0.00199		0.00422	0.00199	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Ethylbenzene	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
2-Hexanone	<0.0353		0.106	0.0353	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Isopropylbenzene	<0.000866		0.00422	0.000866	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Methyl acetate	<0.00507		0.0211	0.00507	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Methylcyclohexane	<0.00697		0.0211	0.00697	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
<b>Methylene Chloride</b>	<b>0.00183</b>	<b>J</b>	0.0211	0.00182	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
4-Methyl-2-pentanone (MIBK)	<0.0359		0.106	0.0359	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Methyl tert-butyl ether	<0.00203		0.00422	0.00203	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Styrene	<0.00232		0.00422	0.00232	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,1,2,2-Tetrachloroethane	<0.00211		0.00422	0.00211	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Tetrachloroethene	<0.00154	*	0.00422	0.00154	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Toluene	<0.00156	*	0.00422	0.00156	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
trans-1,2-Dichloroethene	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
trans-1,3-Dichloropropene	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,2,3-Trichlorobenzene	<0.000803	*	0.00422	0.000803	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,2,4-Trichlorobenzene	<0.00141		0.00422	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,1,1-Trichloroethane	<0.00194		0.00422	0.00194	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,1,2-Trichloroethane	<0.00296		0.0106	0.00296	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Trichloroethene	<0.00203		0.00422	0.00203	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Trichlorofluoromethane	<0.00211		0.00422	0.00211	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.00167		0.00422	0.00167	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Vinyl chloride	<0.00232		0.00422	0.00232	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A SB-1 (32-36)**

**Lab Sample ID: 490-66957-4**

Date Collected: 11/20/14 12:00

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 54.8

**Method: 8260B - TCL VOA (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00141		0.00634	0.00141	mg/Kg	☼	11/22/14 11:48	11/29/14 06:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				11/22/14 11:48	11/29/14 06:36	1
Dibromofluoromethane (Surr)	102		70 - 130				11/22/14 11:48	11/29/14 06:36	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 130				11/22/14 11:48	11/29/14 06:36	1
Toluene-d8 (Surr)	101		70 - 130				11/22/14 11:48	11/29/14 06:36	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00969		0.0649	0.00969	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Acenaphthylene	<0.00872		0.0649	0.00872	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Acetophenone	<0.0679		0.323	0.0679	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Anthracene	<0.00872		0.0649	0.00872	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Atrazine	<0.162		0.323	0.162	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Benzaldehyde	<0.277 *		1.62	0.277	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Benzo[a]anthracene	<0.0145		0.0649	0.0145	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Benzo[a]pyrene	<0.0116		0.0649	0.0116	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Benzo[b]fluoranthene	<0.0116		0.0649	0.0116	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Benzo[g,h,i]perylene	<0.00872		0.0649	0.00872	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Benzo[k]fluoranthene	<0.0136		0.0649	0.0136	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Biphenyl	<0.101		0.323	0.101	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Bis(2-chloroethoxy)methane	<0.0116		0.323	0.0116	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Bis(2-chloroethyl)ether	<0.0194		0.323	0.0194	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
bis(2-chloroisopropyl) ether	<0.130		0.323	0.130	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Bis(2-ethylhexyl) phthalate	<0.0126		0.323	0.0126	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
4-Bromophenyl phenyl ether	<0.0165		0.323	0.0165	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Butyl benzyl phthalate	<0.0155		0.323	0.0155	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Caprolactam	<0.105		0.323	0.105	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Carbazole	<0.00679		0.323	0.00679	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
4-Chloroaniline	<0.161		0.323	0.161	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
4-Chloro-3-methylphenol	<0.0155		0.323	0.0155	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2-Chloronaphthalene	<0.0165		0.323	0.0165	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2-Chlorophenol	<0.0145		0.323	0.0145	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
4-Chlorophenyl phenyl ether	<0.0233		0.323	0.0233	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Chrysene	<0.00872		0.0649	0.00872	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Dibenz(a,h)anthracene	<0.00679		0.0649	0.00679	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Dibenzofuran	<0.0126		0.323	0.0126	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
3,3'-Dichlorobenzidine	<0.129		0.647	0.129	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2,4-Dichlorophenol	<0.0165		0.323	0.0165	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Diethyl phthalate	<0.0136		0.323	0.0136	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2,4-Dimethylphenol	<0.186		0.323	0.186	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Dimethyl phthalate	<0.00775		1.62	0.00775	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Di-n-butyl phthalate	<0.0126		0.323	0.0126	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
4,6-Dinitro-2-methylphenol	<0.0998		0.323	0.0998	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2,4-Dinitrophenol	<0.107		0.323	0.107	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2,4-Dinitrotoluene	<0.00872		0.323	0.00872	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2,6-Dinitrotoluene	<0.0300		0.323	0.0300	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Di-n-octyl phthalate	<0.0126		0.323	0.0126	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Fluoranthene	<0.00872		0.0649	0.00872	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A SB-1 (32-36)**

**Lab Sample ID: 490-66957-4**

**Date Collected: 11/20/14 12:00**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 54.8**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0116		0.0649	0.0116	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Hexachlorobenzene	<0.0281		0.323	0.0281	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Hexachlorobutadiene	<0.0679		0.323	0.0679	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Hexachlorocyclopentadiene	<0.0155		0.323	0.0155	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Hexachloroethane	<0.0194		0.323	0.0194	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Indeno[1,2,3-cd]pyrene	<0.00969		0.0649	0.00969	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Isophorone	<0.0572		0.323	0.0572	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2-Methylnaphthalene	<0.0155		0.0649	0.0155	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2-Methylphenol	<0.0901		0.323	0.0901	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
3 & 4 Methylphenol	<0.0194		0.323	0.0194	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Naphthalene	<0.00872		0.0649	0.00872	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2-Nitroaniline	<0.0174		0.807	0.0174	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
3-Nitroaniline	<0.143		0.807	0.143	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
4-Nitroaniline	<0.0291		0.807	0.0291	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Nitrobenzene	<0.0165		0.323	0.0165	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2-Nitrophenol	<0.0126		0.323	0.0126	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
4-Nitrophenol	<0.0145		0.323	0.0145	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
N-Nitrosodi-n-propylamine	<0.0204		0.323	0.0204	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0155		0.323	0.0155	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Pentachlorophenol	<0.121		0.807	0.121	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Phenanthrene	<0.00872		0.0649	0.00872	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Phenol	<0.0136		0.323	0.0136	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Pyrene	<0.0116		0.0649	0.0116	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
1,2,4,5-Tetrachlorobenzene	<0.250		1.62	0.250	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2,3,4,6-Tetrachlorophenol	<0.164		0.323	0.164	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2,4,5-Trichlorophenol	<0.0165		0.807	0.0165	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
2,4,6-Trichlorophenol	<0.0242		0.323	0.0242	mg/Kg	☼	11/25/14 10:45	11/26/14 20:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	79		29 - 120				11/25/14 10:45	11/26/14 20:37	1
2-Fluorophenol (Surr)	82		10 - 120				11/25/14 10:45	11/26/14 20:37	1
Nitrobenzene-d5 (Surr)	84		27 - 120				11/25/14 10:45	11/26/14 20:37	1
Phenol-d5 (Surr)	82		10 - 120				11/25/14 10:45	11/26/14 20:37	1
Terphenyl-d14 (Surr)	84		13 - 120				11/25/14 10:45	11/26/14 20:37	1
2,4,6-Tribromophenol (Surr)	87		10 - 120				11/25/14 10:45	11/26/14 20:37	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000309		0.00170	0.000309	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
alpha-BHC	<0.000200		0.00170	0.000200	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
beta-BHC	<0.000200		0.00170	0.000200	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
delta-BHC	<0.000379		0.00170	0.000379	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
gamma-BHC (Lindane)	<0.000389		0.00170	0.000389	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
alpha-Chlordane	<0.000429		0.00170	0.000429	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
gamma-Chlordane	<0.000788		0.00170	0.000788	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
Chlordane (technical)	<0.0362		0.0499	0.0362	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
4,4'-DDD	<0.000429		0.00170	0.000429	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
4,4'-DDE	<0.000499		0.00170	0.000499	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
4,4'-DDT	<0.000848		0.00170	0.000848	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A SB-1 (32-36)**

**Lab Sample ID: 490-66957-4**

Date Collected: 11/20/14 12:00

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 54.8

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000399		0.00170	0.000399	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
Endosulfan I	<0.000469		0.00170	0.000469	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
Endosulfan II	<0.000549		0.00170	0.000549	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
Endosulfan sulfate	<0.000499		0.00170	0.000499	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
Endrin	<0.000429		0.00170	0.000429	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
Endrin aldehyde	<0.000509 *		0.00170	0.000509	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
Endrin ketone	<0.000589		0.00170	0.000589	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
Heptachlor	<0.000419		0.00170	0.000419	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
Heptachlor epoxide	<0.000649		0.00170	0.000649	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
Methoxychlor	<0.000489		0.00329	0.000489	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
Toxaphene	<0.0421		0.0665	0.0421	mg/Kg	☼	11/26/14 14:42	12/09/14 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		21 - 145				11/26/14 14:42	12/09/14 02:08	1
DCB Decachlorobiphenyl (Surr)	92		25 - 150				11/26/14 14:42	12/09/14 02:08	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00998 *		0.0332	0.00998	mg/Kg	☼	11/26/14 14:42	11/29/14 15:45	1
PCB-1221	<0.00998		0.0332	0.00998	mg/Kg	☼	11/26/14 14:42	11/29/14 15:45	1
PCB-1232	<0.0200		0.0332	0.0200	mg/Kg	☼	11/26/14 14:42	11/29/14 15:45	1
PCB-1242	<0.00998		0.0332	0.00998	mg/Kg	☼	11/26/14 14:42	11/29/14 15:45	1
PCB-1248	<0.00998		0.0332	0.00998	mg/Kg	☼	11/26/14 14:42	11/29/14 15:45	1
PCB-1254	<0.00998		0.0332	0.00998	mg/Kg	☼	11/26/14 14:42	11/29/14 15:45	1
PCB-1260	<0.00998		0.0332	0.00998	mg/Kg	☼	11/26/14 14:42	11/29/14 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	119		20 - 150				11/26/14 14:42	11/29/14 15:45	1
Tetrachloro-m-xylene	102		19 - 147				11/26/14 14:42	11/29/14 15:45	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>9580</b>		35.7	17.8	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
Antimony	<1.78		17.8	1.78	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Arsenic</b>	<b>8.84</b>		3.57	1.60	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Barium</b>	<b>48.5</b>		3.57	2.85	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
Beryllium	<0.713		1.78	0.713	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Cadmium</b>	<b>0.499 J</b>		1.78	0.178	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Calcium</b>	<b>2880</b>		357	178	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Chromium</b>	<b>16.7</b>		1.78	1.07	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
Cobalt	<1.78		3.57	1.78	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Copper</b>	<b>11.4</b>		3.57	1.78	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Iron</b>	<b>8070</b>		71.3	35.7	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Lead</b>	<b>63.3</b>		1.78	0.891	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Magnesium</b>	<b>580</b>		357	178	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Manganese</b>	<b>72.7</b>		5.35	1.78	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Nickel</b>	<b>4.10</b>		3.57	1.07	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
Potassium	<178		357	178	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
Selenium	<1.78		3.57	1.78	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
Silver	<0.891		1.78	0.891	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A SB-1 (32-36)**

**Lab Sample ID: 490-66957-4**

Date Collected: 11/20/14 12:00

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 54.8

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<178		357	178	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
Thallium	<1.78		3.57	1.78	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Vanadium</b>	<b>17.5</b>	<b>J</b>	17.8	3.57	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1
<b>Zinc</b>	<b>40.3</b>		17.8	10.7	mg/Kg	☼	12/12/14 09:47	12/15/14 19:47	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0526		0.175	0.0526	mg/Kg	☼	12/08/14 16:35	12/10/14 10:32	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Solids</b>	<b>55</b>		0.10	0.10	%			11/22/14 09:54	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A TW-1 (8-12)**

**Lab Sample ID: 490-66957-5**

**Date Collected: 11/20/14 12:15**

**Matrix: Ground Water**

**Date Received: 11/21/14 08:50**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		25.0	2.66	ug/L			12/02/14 22:35	1
Benzene	<0.200		1.00	0.200	ug/L			12/02/14 22:35	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			12/02/14 22:35	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			12/02/14 22:35	1
Bromoform	<0.290		1.00	0.290	ug/L			12/02/14 22:35	1
Bromomethane	<0.350		1.00	0.350	ug/L			12/02/14 22:35	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			12/02/14 22:35	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			12/02/14 22:35	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			12/02/14 22:35	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 22:35	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			12/02/14 22:35	1
Chloroethane	<0.360		1.00	0.360	ug/L			12/02/14 22:35	1
Chloroform	<0.230		1.00	0.230	ug/L			12/02/14 22:35	1
Chloromethane	<0.360		1.00	0.360	ug/L			12/02/14 22:35	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			12/02/14 22:35	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 22:35	1
Cyclohexane	<0.220		5.00	0.220	ug/L			12/02/14 22:35	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			12/02/14 22:35	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			12/02/14 22:35	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			12/02/14 22:35	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 22:35	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			12/02/14 22:35	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			12/02/14 22:35	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			12/02/14 22:35	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			12/02/14 22:35	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			12/02/14 22:35	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			12/02/14 22:35	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			12/02/14 22:35	1
2-Hexanone	<1.28		10.0	1.28	ug/L			12/02/14 22:35	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			12/02/14 22:35	1
Methyl acetate	<0.720		10.0	0.720	ug/L			12/02/14 22:35	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			12/02/14 22:35	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			12/02/14 22:35	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			12/02/14 22:35	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			12/02/14 22:35	1
Styrene	<0.280		1.00	0.280	ug/L			12/02/14 22:35	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			12/02/14 22:35	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			12/02/14 22:35	1
Toluene	<0.170		1.00	0.170	ug/L			12/02/14 22:35	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			12/02/14 22:35	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 22:35	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			12/02/14 22:35	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			12/02/14 22:35	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 22:35	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 22:35	1
Trichloroethene	<0.200		1.00	0.200	ug/L			12/02/14 22:35	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			12/02/14 22:35	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			12/02/14 22:35	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			12/02/14 22:35	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A TW-1 (8-12)**

**Lab Sample ID: 490-66957-5**

**Date Collected: 11/20/14 12:15**

**Matrix: Ground Water**

**Date Received: 11/21/14 08:50**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			12/02/14 22:35	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	102		70 - 130					12/02/14 22:35	1
Dibromofluoromethane (Surr)	90		70 - 130					12/02/14 22:35	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 130					12/02/14 22:35	1
Toluene-d8 (Surr)	102		70 - 130					12/02/14 22:35	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.352		1.92	0.352	ug/L		11/24/14 07:05	11/25/14 17:14	1
Acenaphthylene	<0.317		1.92	0.317	ug/L		11/24/14 07:05	11/25/14 17:14	1
Acetophenone	<1.83		9.62	1.83	ug/L		11/24/14 07:05	11/25/14 17:14	1
Anthracene	<0.849		1.92	0.849	ug/L		11/24/14 07:05	11/25/14 17:14	1
Atrazine	<3.56 *		9.62	3.56	ug/L		11/24/14 07:05	11/25/14 17:14	1
Benzaldehyde	<2.07 *		9.62	2.07	ug/L		11/24/14 07:05	11/25/14 17:14	1
Benzo[a]anthracene	<0.312		1.92	0.312	ug/L		11/24/14 07:05	11/25/14 17:14	1
Benzo[a]pyrene	<0.317		1.92	0.317	ug/L		11/24/14 07:05	11/25/14 17:14	1
Benzo[b]fluoranthene	<0.406		1.92	0.406	ug/L		11/24/14 07:05	11/25/14 17:14	1
Benzo[g,h,i]perylene	<0.276		1.92	0.276	ug/L		11/24/14 07:05	11/25/14 17:14	1
Benzo[k]fluoranthene	<0.350		1.92	0.350	ug/L		11/24/14 07:05	11/25/14 17:14	1
Biphenyl	<3.20		9.62	3.20	ug/L		11/24/14 07:05	11/25/14 17:14	1
Bis(2-chloroethoxy)methane	<1.31		9.62	1.31	ug/L		11/24/14 07:05	11/25/14 17:14	1
Bis(2-chloroethyl)ether	<1.34		9.62	1.34	ug/L		11/24/14 07:05	11/25/14 17:14	1
bis (2-chloroisopropyl) ether	<1.88		9.62	1.88	ug/L		11/24/14 07:05	11/25/14 17:14	1
Bis(2-ethylhexyl) phthalate	<1.98		9.62	1.98	ug/L		11/24/14 07:05	11/25/14 17:14	1
4-Bromophenyl phenyl ether	<1.32		9.62	1.32	ug/L		11/24/14 07:05	11/25/14 17:14	1
Butyl benzyl phthalate	<1.67		9.62	1.67	ug/L		11/24/14 07:05	11/25/14 17:14	1
Caprolactam	<3.20		9.62	3.20	ug/L		11/24/14 07:05	11/25/14 17:14	1
Carbazole	<0.288		9.62	0.288	ug/L		11/24/14 07:05	11/25/14 17:14	1
4-Chloroaniline	<1.13		9.62	1.13	ug/L		11/24/14 07:05	11/25/14 17:14	1
4-Chloro-3-methylphenol	<3.20		9.62	3.20	ug/L		11/24/14 07:05	11/25/14 17:14	1
2-Chloronaphthalene	<1.58		9.62	1.58	ug/L		11/24/14 07:05	11/25/14 17:14	1
2-Chlorophenol	<1.53		9.62	1.53	ug/L		11/24/14 07:05	11/25/14 17:14	1
4-Chlorophenyl phenyl ether	<1.68		9.62	1.68	ug/L		11/24/14 07:05	11/25/14 17:14	1
Chrysene	<1.05		1.92	1.05	ug/L		11/24/14 07:05	11/25/14 17:14	1
Dibenz(a,h)anthracene	<0.619		1.92	0.619	ug/L		11/24/14 07:05	11/25/14 17:14	1
Dibenzofuran	<0.326		9.62	0.326	ug/L		11/24/14 07:05	11/25/14 17:14	1
3,3'-Dichlorobenzidine	<1.46		9.62	1.46	ug/L		11/24/14 07:05	11/25/14 17:14	1
2,4-Dichlorophenol	<0.981		9.62	0.981	ug/L		11/24/14 07:05	11/25/14 17:14	1
Diethyl phthalate	<1.56		9.62	1.56	ug/L		11/24/14 07:05	11/25/14 17:14	1
2,4-Dimethylphenol	<0.958		9.62	0.958	ug/L		11/24/14 07:05	11/25/14 17:14	1
Dimethyl phthalate	<1.74		9.62	1.74	ug/L		11/24/14 07:05	11/25/14 17:14	1
Di-n-butyl phthalate	<1.44		9.62	1.44	ug/L		11/24/14 07:05	11/25/14 17:14	1
4,6-Dinitro-2-methylphenol	<1.99		24.0	1.99	ug/L		11/24/14 07:05	11/25/14 17:14	1
2,4-Dinitrophenol	<2.37		24.0	2.37	ug/L		11/24/14 07:05	11/25/14 17:14	1
2,4-Dinitrotoluene	<3.20		9.62	3.20	ug/L		11/24/14 07:05	11/25/14 17:14	1
2,6-Dinitrotoluene	<1.87		9.62	1.87	ug/L		11/24/14 07:05	11/25/14 17:14	1
Di-n-octyl phthalate	<2.22		9.62	2.22	ug/L		11/24/14 07:05	11/25/14 17:14	1
Fluoranthene	<0.334		1.92	0.334	ug/L		11/24/14 07:05	11/25/14 17:14	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A TW-1 (8-12)**

**Lab Sample ID: 490-66957-5**

**Date Collected: 11/20/14 12:15**

**Matrix: Ground Water**

**Date Received: 11/21/14 08:50**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.304		1.92	0.304	ug/L		11/24/14 07:05	11/25/14 17:14	1
Hexachlorobenzene	<1.63		9.62	1.63	ug/L		11/24/14 07:05	11/25/14 17:14	1
Hexachlorobutadiene	<3.20		9.62	3.20	ug/L		11/24/14 07:05	11/25/14 17:14	1
Hexachlorocyclopentadiene	<3.20		9.62	3.20	ug/L		11/24/14 07:05	11/25/14 17:14	1
Hexachloroethane	<3.20		9.62	3.20	ug/L		11/24/14 07:05	11/25/14 17:14	1
Indeno[1,2,3-cd]pyrene	<0.366		1.92	0.366	ug/L		11/24/14 07:05	11/25/14 17:14	1
Isophorone	<1.19		9.62	1.19	ug/L		11/24/14 07:05	11/25/14 17:14	1
2-Methylnaphthalene	<0.299		1.92	0.299	ug/L		11/24/14 07:05	11/25/14 17:14	1
2-Methylphenol	<3.20		9.62	3.20	ug/L		11/24/14 07:05	11/25/14 17:14	1
3 & 4 Methylphenol	<3.20		9.62	3.20	ug/L		11/24/14 07:05	11/25/14 17:14	1
Naphthalene	<0.383		1.92	0.383	ug/L		11/24/14 07:05	11/25/14 17:14	1
2-Nitroaniline	<1.00		24.0	1.00	ug/L		11/24/14 07:05	11/25/14 17:14	1
3-Nitroaniline	<1.78		24.0	1.78	ug/L		11/24/14 07:05	11/25/14 17:14	1
4-Nitroaniline	<2.30		24.0	2.30	ug/L		11/24/14 07:05	11/25/14 17:14	1
Nitrobenzene	<1.19		9.62	1.19	ug/L		11/24/14 07:05	11/25/14 17:14	1
2-Nitrophenol	<1.51		9.62	1.51	ug/L		11/24/14 07:05	11/25/14 17:14	1
4-Nitrophenol	<3.20		24.0	3.20	ug/L		11/24/14 07:05	11/25/14 17:14	1
N-Nitrosodi-n-propylamine	<1.37		9.62	1.37	ug/L		11/24/14 07:05	11/25/14 17:14	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.38		9.62	1.38	ug/L		11/24/14 07:05	11/25/14 17:14	1
Pentachlorophenol	<1.59		24.0	1.59	ug/L		11/24/14 07:05	11/25/14 17:14	1
Phenanthrene	<0.330		1.92	0.330	ug/L		11/24/14 07:05	11/25/14 17:14	1
Phenol	<3.32		9.62	3.32	ug/L		11/24/14 07:05	11/25/14 17:14	1
Pyrene	<0.318		1.92	0.318	ug/L		11/24/14 07:05	11/25/14 17:14	1
1,2,4,5-Tetrachlorobenzene	<3.88		9.62	3.88	ug/L		11/24/14 07:05	11/25/14 17:14	1
2,3,4,6-Tetrachlorophenol	<3.49		9.62	3.49	ug/L		11/24/14 07:05	11/25/14 17:14	1
2,4,5-Trichlorophenol	<1.95		24.0	1.95	ug/L		11/24/14 07:05	11/25/14 17:14	1
2,4,6-Trichlorophenol	<1.69		9.62	1.69	ug/L		11/24/14 07:05	11/25/14 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		29 - 120				11/24/14 07:05	11/25/14 17:14	1
2-Fluorophenol (Surr)	44		10 - 120				11/24/14 07:05	11/25/14 17:14	1
Nitrobenzene-d5 (Surr)	78		27 - 120				11/24/14 07:05	11/25/14 17:14	1
Phenol-d5 (Surr)	26		10 - 120				11/24/14 07:05	11/25/14 17:14	1
Terphenyl-d14 (Surr)	76		13 - 120				11/24/14 07:05	11/25/14 17:14	1
2,4,6-Tribromophenol (Surr)	79		10 - 120				11/24/14 07:05	11/25/14 17:14	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00562		0.0238	0.00562	ug/L		11/22/14 19:11	12/09/14 23:48	1
alpha-BHC	<0.0106		0.0238	0.0106	ug/L		11/22/14 19:11	12/09/14 23:48	1
beta-BHC	<0.00667		0.0238	0.00667	ug/L		11/22/14 19:11	12/09/14 23:48	1
delta-BHC	<0.00733		0.0238	0.00733	ug/L		11/22/14 19:11	12/09/14 23:48	1
gamma-BHC (Lindane)	<0.00543		0.0238	0.00543	ug/L		11/22/14 19:11	12/09/14 23:48	1
alpha-Chlordane	<0.00505		0.0238	0.00505	ug/L		11/22/14 19:11	12/09/14 23:48	1
gamma-Chlordane	<0.0171		0.0238	0.0171	ug/L		11/22/14 19:11	12/09/14 23:48	1
Chlordane (technical)	<0.174		1.90	0.174	ug/L		11/22/14 19:11	12/09/14 23:48	1
4,4'-DDD	<0.00733		0.0238	0.00733	ug/L		11/22/14 19:11	12/09/14 23:48	1
4,4'-DDE	<0.00943		0.0238	0.00943	ug/L		11/22/14 19:11	12/09/14 23:48	1
4,4'-DDT	<0.00848		0.0238	0.00848	ug/L		11/22/14 19:11	12/09/14 23:48	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A TW-1 (8-12)**

**Lab Sample ID: 490-66957-5**

**Date Collected: 11/20/14 12:15**

**Matrix: Ground Water**

**Date Received: 11/21/14 08:50**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00543		0.0238	0.00543	ug/L		11/22/14 19:11	12/09/14 23:48	1
Endosulfan I	<0.00743		0.0238	0.00743	ug/L		11/22/14 19:11	12/09/14 23:48	1
Endosulfan II	<0.00514		0.0238	0.00514	ug/L		11/22/14 19:11	12/09/14 23:48	1
Endosulfan sulfate	<0.00619		0.0238	0.00619	ug/L		11/22/14 19:11	12/09/14 23:48	1
Endrin	<0.00629		0.0238	0.00629	ug/L		11/22/14 19:11	12/09/14 23:48	1
Endrin aldehyde	<0.00829		0.0238	0.00829	ug/L		11/22/14 19:11	12/09/14 23:48	1
Endrin ketone	<0.00619		0.0238	0.00619	ug/L		11/22/14 19:11	12/09/14 23:48	1
Heptachlor	<0.00543		0.0238	0.00543	ug/L		11/22/14 19:11	12/09/14 23:48	1
Heptachlor epoxide	<0.00667		0.0238	0.00667	ug/L		11/22/14 19:11	12/09/14 23:48	1
Methoxychlor	<0.00505		0.0238	0.00505	ug/L		11/22/14 19:11	12/09/14 23:48	1
Toxaphene	<0.0393		1.90	0.0393	ug/L		11/22/14 19:11	12/09/14 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		38 - 150	11/22/14 19:11	12/09/14 23:48	1
DCB Decachlorobiphenyl (Surr)	12		10 - 141	11/22/14 19:11	12/09/14 23:48	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0467		0.476	0.0467	ug/L		11/22/14 19:11	11/27/14 17:30	1
PCB-1221	<0.248		0.476	0.248	ug/L		11/22/14 19:11	11/27/14 17:30	1
PCB-1232	<0.0667		0.476	0.0667	ug/L		11/22/14 19:11	11/27/14 17:30	1
PCB-1242	<0.0610		0.476	0.0610	ug/L		11/22/14 19:11	11/27/14 17:30	1
PCB-1248	<0.0657		0.476	0.0657	ug/L		11/22/14 19:11	11/27/14 17:30	1
PCB-1254	<0.00667		0.476	0.00667	ug/L		11/22/14 19:11	11/27/14 17:30	1
PCB-1260	<0.0114		0.476	0.0114	ug/L		11/22/14 19:11	11/27/14 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	16		10 - 150	11/22/14 19:11	11/27/14 17:30	1
Tetrachloro-m-xylene	81		10 - 150	11/22/14 19:11	11/27/14 17:30	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.657</b>		0.100	0.0500	mg/L		12/05/14 07:19	12/14/14 17:18	1
Antimony	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:18	1
Arsenic	<0.00720		0.0100	0.00720	mg/L		12/05/14 07:19	12/14/14 17:18	1
<b>Barium</b>	<b>0.0355</b>		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:18	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/05/14 07:19	12/14/14 17:18	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		12/05/14 07:19	12/14/14 17:18	1
<b>Calcium</b>	<b>13.4</b>		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 17:18	1
Chromium	<0.00300		0.00500	0.00300	mg/L		12/05/14 07:19	12/14/14 17:18	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:18	1
Copper	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:18	1
<b>Iron</b>	<b>1.37</b>		0.100	0.0500	mg/L		12/05/14 07:19	12/14/14 17:18	1
<b>Lead</b>	<b>0.00320 J</b>		0.00500	0.00200	mg/L		12/05/14 07:19	12/14/14 17:18	1
<b>Magnesium</b>	<b>4.60</b>		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 17:18	1
<b>Manganese</b>	<b>0.0360</b>		0.0150	0.00500	mg/L		12/05/14 07:19	12/14/14 17:18	1
Nickel	<0.00300		0.0100	0.00300	mg/L		12/05/14 07:19	12/14/14 17:18	1
<b>Potassium</b>	<b>2.79</b>		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 17:18	1
Selenium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:18	1
Silver	<0.00250		0.00500	0.00250	mg/L		12/05/14 07:19	12/14/14 17:18	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A TW-1 (8-12)**

**Lab Sample ID: 490-66957-5**

Date Collected: 11/20/14 12:15

Matrix: Ground Water

Date Received: 11/21/14 08:50

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>7.37</b>		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 17:18	1
Thallium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:18	1
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/05/14 07:19	12/14/14 17:18	1
Zinc	<0.0300		0.0500	0.0300	mg/L		12/05/14 07:19	12/14/14 17:18	1

**Method: 6010C - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		12/04/14 14:22	12/15/14 01:53	1
Antimony	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 01:53	1
Arsenic	<0.00720		0.0100	0.00720	mg/L		12/04/14 14:22	12/15/14 01:53	1
<b>Barium</b>	<b>0.0362</b>		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 01:53	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/04/14 14:22	12/15/14 01:53	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		12/04/14 14:22	12/15/14 01:53	1
<b>Calcium</b>	<b>14.5</b>		1.00	0.500	mg/L		12/04/14 14:22	12/15/14 01:53	1
Chromium	<0.00300		0.00500	0.00300	mg/L		12/04/14 14:22	12/15/14 01:53	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 01:53	1
Copper	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 01:53	1
<b>Iron</b>	<b>1.10</b>		0.100	0.0500	mg/L		12/04/14 14:22	12/15/14 01:53	1
<b>Lead</b>	<b>0.00300</b>	<b>J</b>	0.00500	0.00200	mg/L		12/04/14 14:22	12/15/14 01:53	1
<b>Magnesium</b>	<b>4.83</b>		1.00	0.500	mg/L		12/04/14 14:22	12/15/14 01:53	1
<b>Manganese</b>	<b>0.0383</b>		0.0150	0.00500	mg/L		12/04/14 14:22	12/15/14 01:53	1
Nickel	<0.00300		0.0100	0.00300	mg/L		12/04/14 14:22	12/15/14 01:53	1
<b>Potassium</b>	<b>2.94</b>		1.00	0.500	mg/L		12/04/14 14:22	12/15/14 01:53	1
Selenium	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 01:53	1
Silver	<0.00250		0.00500	0.00250	mg/L		12/04/14 14:22	12/15/14 01:53	1
<b>Sodium</b>	<b>7.81</b>		1.00	0.500	mg/L		12/04/14 14:22	12/15/14 01:53	1
Thallium	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 01:53	1
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/04/14 14:22	12/15/14 01:53	1
Zinc	<0.0300		0.0500	0.0300	mg/L		12/04/14 14:22	12/15/14 01:53	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150	H	0.000200	0.000150	mg/L		12/24/14 12:44	12/29/14 15:46	1

**Method: 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		12/09/14 08:33	12/10/14 18:08	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 SB-2 (0-2)**

**Lab Sample ID: 490-66957-6**

**Date Collected: 11/20/14 14:15**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 84.0**

**Method: 8260B - TCL VOA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0396		0.0494	0.0396	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Benzene	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Bromochloromethane	<0.000544		0.00198	0.000544	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Bromodichloromethane	<0.000544		0.00198	0.000544	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Bromoform	<0.000544		0.00198	0.000544	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Bromomethane	<0.00119	*	0.00198	0.00119	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
2-Butanone (MEK)	<0.00504		0.0494	0.00504	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Carbon disulfide	<0.00356		0.00494	0.00356	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Carbon tetrachloride	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Chlorobenzene	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Chlorodibromomethane	<0.000336		0.00198	0.000336	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Chloroethane	<0.00188		0.00494	0.00188	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Chloroform	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Chloromethane	<0.000663	*	0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
cis-1,2-Dichloroethene	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
cis-1,3-Dichloropropene	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Cyclohexane	<0.00326		0.00989	0.00326	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,2-Dibromo-3-Chloropropane	<0.000692		0.00494	0.000692	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,2-Dibromoethane (EDB)	<0.000989		0.00198	0.000989	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,2-Dichlorobenzene	<0.000336		0.00198	0.000336	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,3-Dichlorobenzene	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,4-Dichlorobenzene	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Dichlorodifluoromethane	<0.000989		0.00198	0.000989	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,1-Dichloroethane	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,2-Dichloroethane	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,1-Dichloroethene	<0.000564		0.00198	0.000564	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,2-Dichloropropane	<0.000930		0.00198	0.000930	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Ethylbenzene	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
2-Hexanone	<0.0165		0.0494	0.0165	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Isopropylbenzene	<0.000405		0.00198	0.000405	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Methyl acetate	<0.00237		0.00989	0.00237	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Methylcyclohexane	<0.00326		0.00989	0.00326	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
<b>Methylene Chloride</b>	<b>0.00386</b>	<b>J</b>	0.00989	0.000850	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
4-Methyl-2-pentanone (MIBK)	<0.0168		0.0494	0.0168	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Methyl tert-butyl ether	<0.000949		0.00198	0.000949	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Styrene	<0.00109		0.00198	0.00109	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,1,2,2-Tetrachloroethane	<0.000989		0.00198	0.000989	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Tetrachloroethene	<0.000722	*	0.00198	0.000722	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Toluene	<0.000732	*	0.00198	0.000732	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
trans-1,2-Dichloroethene	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
trans-1,3-Dichloropropene	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,2,3-Trichlorobenzene	<0.000376	*	0.00198	0.000376	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,2,4-Trichlorobenzene	<0.000663		0.00198	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,1,1-Trichloroethane	<0.000910		0.00198	0.000910	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,1,2-Trichloroethane	<0.00138		0.00494	0.00138	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Trichloroethene	<0.000949		0.00198	0.000949	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Trichlorofluoromethane	<0.000989		0.00198	0.000989	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000781		0.00198	0.000781	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Vinyl chloride	<0.00109		0.00198	0.00109	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 SB-2 (0-2)**

**Lab Sample ID: 490-66957-6**

Date Collected: 11/20/14 14:15

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 84.0

**Method: 8260B - TCL VOA (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000663		0.00297	0.000663	mg/Kg	☼	11/22/14 11:48	11/29/14 07:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				11/22/14 11:48	11/29/14 07:06	1
Dibromofluoromethane (Surr)	103		70 - 130				11/22/14 11:48	11/29/14 07:06	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 130				11/22/14 11:48	11/29/14 07:06	1
Toluene-d8 (Surr)	100		70 - 130				11/22/14 11:48	11/29/14 07:06	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00972		0.0652	0.00972	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Acenaphthylene	<0.00875		0.0652	0.00875	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Acetophenone	<0.0681		0.324	0.0681	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Anthracene	<0.00875		0.0652	0.00875	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Atrazine	<0.162		0.324	0.162	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Benzaldehyde	<0.278 *		1.62	0.278	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Benzo[a]anthracene	<0.0146		0.0652	0.0146	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Benzo[a]pyrene	<0.0117		0.0652	0.0117	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Benzo[b]fluoranthene	<0.0117		0.0652	0.0117	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Benzo[g,h,i]perylene	<0.00875		0.0652	0.00875	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Benzo[k]fluoranthene	<0.0136		0.0652	0.0136	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Biphenyl	<0.101		0.324	0.101	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Bis(2-chloroethoxy)methane	<0.0117		0.324	0.0117	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Bis(2-chloroethyl)ether	<0.0194		0.324	0.0194	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
bis(2-chloroisopropyl) ether	<0.130		0.324	0.130	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Bis(2-ethylhexyl) phthalate	<0.0126		0.324	0.0126	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
4-Bromophenyl phenyl ether	<0.0165		0.324	0.0165	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Butyl benzyl phthalate	<0.0156		0.324	0.0156	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Caprolactam	<0.105		0.324	0.105	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Carbazole	<0.00681		0.324	0.00681	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
4-Chloroaniline	<0.161		0.324	0.161	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
4-Chloro-3-methylphenol	<0.0156		0.324	0.0156	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2-Chloronaphthalene	<0.0165		0.324	0.0165	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2-Chlorophenol	<0.0146		0.324	0.0146	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
4-Chlorophenyl phenyl ether	<0.0233		0.324	0.0233	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Chrysene	<0.00875		0.0652	0.00875	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Dibenz(a,h)anthracene	<0.00681		0.0652	0.00681	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Dibenzofuran	<0.0126		0.324	0.0126	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
3,3'-Dichlorobenzidine	<0.129		0.649	0.129	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2,4-Dichlorophenol	<0.0165		0.324	0.0165	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Diethyl phthalate	<0.0136		0.324	0.0136	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2,4-Dimethylphenol	<0.187		0.324	0.187	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Dimethyl phthalate	<0.00778		1.62	0.00778	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Di-n-butyl phthalate	<0.0126		0.324	0.0126	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
4,6-Dinitro-2-methylphenol	<0.100		0.324	0.100	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2,4-Dinitrophenol	<0.107		0.324	0.107	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2,4-Dinitrotoluene	<0.00875		0.324	0.00875	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2,6-Dinitrotoluene	<0.0301		0.324	0.0301	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Di-n-octyl phthalate	<0.0126		0.324	0.0126	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Fluoranthene	<0.00875		0.0652	0.00875	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 SB-2 (0-2)**

**Lab Sample ID: 490-66957-6**

**Date Collected: 11/20/14 14:15**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 84.0**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0117		0.0652	0.0117	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Hexachlorobenzene	<0.0282		0.324	0.0282	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Hexachlorobutadiene	<0.0681		0.324	0.0681	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Hexachlorocyclopentadiene	<0.0156		0.324	0.0156	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Hexachloroethane	<0.0194		0.324	0.0194	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Indeno[1,2,3-cd]pyrene	<0.00972		0.0652	0.00972	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Isophorone	<0.0574		0.324	0.0574	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2-Methylnaphthalene	<0.0156		0.0652	0.0156	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2-Methylphenol	<0.0904		0.324	0.0904	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
3 & 4 Methylphenol	<0.0194		0.324	0.0194	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Naphthalene	<0.00875		0.0652	0.00875	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2-Nitroaniline	<0.0175		0.810	0.0175	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
3-Nitroaniline	<0.144		0.810	0.144	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
4-Nitroaniline	<0.0292		0.810	0.0292	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Nitrobenzene	<0.0165		0.324	0.0165	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2-Nitrophenol	<0.0126		0.324	0.0126	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
4-Nitrophenol	<0.0146		0.324	0.0146	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
N-Nitrosodi-n-propylamine	<0.0204		0.324	0.0204	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0156		0.324	0.0156	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Pentachlorophenol	<0.122		0.810	0.122	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Phenanthrene	<0.00875		0.0652	0.00875	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Phenol	<0.0136		0.324	0.0136	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Pyrene	<0.0117		0.0652	0.0117	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
1,2,4,5-Tetrachlorobenzene	<0.251		1.62	0.251	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2,3,4,6-Tetrachlorophenol	<0.164		0.324	0.164	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2,4,5-Trichlorophenol	<0.0165		0.810	0.0165	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
2,4,6-Trichlorophenol	<0.0243		0.324	0.0243	mg/Kg	☼	11/25/14 10:45	11/26/14 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	78		29 - 120				11/25/14 10:45	11/26/14 21:00	1
2-Fluorophenol (Surr)	82		10 - 120				11/25/14 10:45	11/26/14 21:00	1
Nitrobenzene-d5 (Surr)	84		27 - 120				11/25/14 10:45	11/26/14 21:00	1
Phenol-d5 (Surr)	83		10 - 120				11/25/14 10:45	11/26/14 21:00	1
Terphenyl-d14 (Surr)	79		13 - 120				11/25/14 10:45	11/26/14 21:00	1
2,4,6-Tribromophenol (Surr)	86		10 - 120				11/25/14 10:45	11/26/14 21:00	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000309		0.00170	0.000309	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
alpha-BHC	<0.000199		0.00170	0.000199	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
beta-BHC	<0.000199		0.00170	0.000199	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
delta-BHC	<0.000379		0.00170	0.000379	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
gamma-BHC (Lindane)	<0.000389		0.00170	0.000389	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
alpha-Chlordane	<0.000429		0.00170	0.000429	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
gamma-Chlordane	<0.000788		0.00170	0.000788	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
Chlordane (technical)	<0.0362		0.0499	0.0362	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
4,4'-DDD	<0.000429		0.00170	0.000429	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
4,4'-DDE	<0.000499		0.00170	0.000499	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
4,4'-DDT	<0.000848		0.00170	0.000848	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 SB-2 (0-2)**

**Lab Sample ID: 490-66957-6**

Date Collected: 11/20/14 14:15

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 84.0

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000399		0.00170	0.000399	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
Endosulfan I	<0.000469		0.00170	0.000469	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
Endosulfan II	<0.000549		0.00170	0.000549	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
Endosulfan sulfate	<0.000499		0.00170	0.000499	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
Endrin	<0.000429		0.00170	0.000429	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
Endrin aldehyde	<0.000509 *		0.00170	0.000509	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
Endrin ketone	<0.000588		0.00170	0.000588	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
Heptachlor	<0.000419		0.00170	0.000419	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
Heptachlor epoxide	<0.000648		0.00170	0.000648	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
Methoxychlor	<0.000489		0.00329	0.000489	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
Toxaphene	<0.0421		0.0665	0.0421	mg/Kg	☼	11/26/14 14:42	12/09/14 02:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	66		21 - 145				11/26/14 14:42	12/09/14 02:20	1
DCB Decachlorobiphenyl (Surr)	65		25 - 150				11/26/14 14:42	12/09/14 02:20	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00997 *		0.0332	0.00997	mg/Kg	☼	11/26/14 14:42	11/29/14 16:09	1
PCB-1221	<0.00997		0.0332	0.00997	mg/Kg	☼	11/26/14 14:42	11/29/14 16:09	1
PCB-1232	<0.0199		0.0332	0.0199	mg/Kg	☼	11/26/14 14:42	11/29/14 16:09	1
PCB-1242	<0.00997		0.0332	0.00997	mg/Kg	☼	11/26/14 14:42	11/29/14 16:09	1
PCB-1248	<0.00997		0.0332	0.00997	mg/Kg	☼	11/26/14 14:42	11/29/14 16:09	1
PCB-1254	<0.00997		0.0332	0.00997	mg/Kg	☼	11/26/14 14:42	11/29/14 16:09	1
PCB-1260	<0.00997		0.0332	0.00997	mg/Kg	☼	11/26/14 14:42	11/29/14 16:09	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	114		20 - 150				11/26/14 14:42	11/29/14 16:09	1
Tetrachloro-m-xylene	99		19 - 147				11/26/14 14:42	11/29/14 16:09	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>6650</b>		23.1	11.5	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
Antimony	<1.15		11.5	1.15	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Arsenic</b>	<b>6.79</b>		2.31	1.04	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Barium</b>	<b>15.4</b>		2.31	1.85	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Beryllium</b>	<b>0.808 J</b>		1.15	0.462	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
Cadmium	<0.115		1.15	0.115	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Calcium</b>	<b>21100</b>		231	115	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Chromium</b>	<b>13.8</b>		1.15	0.692	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Cobalt</b>	<b>4.20</b>		2.31	1.15	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Copper</b>	<b>2.26 J</b>		2.31	1.15	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Iron</b>	<b>11800</b>		46.2	23.1	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Lead</b>	<b>10.5</b>		1.15	0.577	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Magnesium</b>	<b>2980</b>		231	115	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Manganese</b>	<b>173</b>		3.46	1.15	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Nickel</b>	<b>5.93</b>		2.31	0.692	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
<b>Potassium</b>	<b>1890</b>		231	115	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
Selenium	<1.15		2.31	1.15	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
Silver	<0.577		1.15	0.577	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 SB-2 (0-2)**

**Lab Sample ID: 490-66957-6**

Date Collected: 11/20/14 14:15

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 84.0

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	510		231	115	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
Thallium	<1.15		2.31	1.15	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
Vanadium	10.0	J	11.5	2.31	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1
Zinc	24.9		11.5	6.92	mg/Kg	☼	12/12/14 09:47	12/15/14 19:51	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0474	J	0.120	0.0360	mg/Kg	☼	12/08/14 16:35	12/10/14 10:35	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	84		0.10	0.10	%			11/22/14 09:54	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 SB-2 (40-44)**

**Lab Sample ID: 490-66957-7**

**Date Collected: 11/20/14 15:40**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 54.4**

**Method: 8260B - TCL VOA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>0.327</b>		0.0928	0.0743	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Benzene	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Bromochloromethane	<0.00102		0.00371	0.00102	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Bromodichloromethane	<0.00102		0.00371	0.00102	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Bromoform	<0.00102		0.00371	0.00102	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Bromomethane	<0.00223	*	0.00371	0.00223	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
<b>2-Butanone (MEK)</b>	<b>0.0282</b>	<b>J</b>	0.0928	0.00947	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
<b>Carbon disulfide</b>	<b>0.121</b>		0.00928	0.00668	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Carbon tetrachloride	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Chlorobenzene	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Chlorodibromomethane	<0.000631		0.00371	0.000631	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Chloroethane	<0.00353		0.00928	0.00353	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Chloroform	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Chloromethane	<0.00124	*	0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
cis-1,2-Dichloroethene	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
cis-1,3-Dichloropropene	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Cyclohexane	<0.00613		0.0186	0.00613	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,2-Dibromo-3-Chloropropane	<0.00130		0.00928	0.00130	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,2-Dibromoethane (EDB)	<0.00186		0.00371	0.00186	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,2-Dichlorobenzene	<0.000631		0.00371	0.000631	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,3-Dichlorobenzene	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,4-Dichlorobenzene	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Dichlorodifluoromethane	<0.00186		0.00371	0.00186	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,1-Dichloroethane	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,2-Dichloroethane	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,1-Dichloroethene	<0.00106		0.00371	0.00106	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,2-Dichloropropane	<0.00175		0.00371	0.00175	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Ethylbenzene	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
2-Hexanone	<0.0310		0.0928	0.0310	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Isopropylbenzene	<0.000761		0.00371	0.000761	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Methyl acetate	<0.00446		0.0186	0.00446	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Methylcyclohexane	<0.00613		0.0186	0.00613	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Methylene Chloride	<0.00160		0.0186	0.00160	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
4-Methyl-2-pentanone (MIBK)	<0.0316		0.0928	0.0316	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Methyl tert-butyl ether	<0.00178		0.00371	0.00178	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Styrene	<0.00204		0.00371	0.00204	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,1,2,2-Tetrachloroethane	<0.00186		0.00371	0.00186	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Tetrachloroethene	<0.00136	*	0.00371	0.00136	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Toluene	<0.00137	*	0.00371	0.00137	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
trans-1,2-Dichloroethene	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
trans-1,3-Dichloropropene	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,2,3-Trichlorobenzene	<0.000705	*	0.00371	0.000705	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,2,4-Trichlorobenzene	<0.00124		0.00371	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,1,1-Trichloroethane	<0.00171		0.00371	0.00171	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,1,2-Trichloroethane	<0.00260		0.00928	0.00260	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Trichloroethene	<0.00178		0.00371	0.00178	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Trichlorofluoromethane	<0.00186		0.00371	0.00186	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.00147		0.00371	0.00147	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Vinyl chloride	<0.00204		0.00371	0.00204	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 SB-2 (40-44)**

**Lab Sample ID: 490-66957-7**

**Date Collected: 11/20/14 15:40**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 54.4**

**Method: 8260B - TCL VOA (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00124		0.00557	0.00124	mg/Kg	☼	11/22/14 11:48	11/29/14 07:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				11/22/14 11:48	11/29/14 07:36	1
Dibromofluoromethane (Surr)	102		70 - 130				11/22/14 11:48	11/29/14 07:36	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 130				11/22/14 11:48	11/29/14 07:36	1
Toluene-d8 (Surr)	104		70 - 130				11/22/14 11:48	11/29/14 07:36	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00946		0.0634	0.00946	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Acenaphthylene	<0.00852		0.0634	0.00852	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Acetophenone	<0.0662		0.315	0.0662	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Anthracene	<0.00852		0.0634	0.00852	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Atrazine	<0.158		0.315	0.158	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Benzaldehyde	<0.271 *		1.58	0.271	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Benzo[a]anthracene	<0.0142		0.0634	0.0142	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Benzo[a]pyrene	<0.0114		0.0634	0.0114	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Benzo[b]fluoranthene	<0.0114		0.0634	0.0114	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Benzo[g,h,i]perylene	<0.00852		0.0634	0.00852	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Benzo[k]fluoranthene	<0.0132		0.0634	0.0132	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Biphenyl	<0.0984		0.315	0.0984	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Bis(2-chloroethoxy)methane	<0.0114		0.315	0.0114	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Bis(2-chloroethyl)ether	<0.0189		0.315	0.0189	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
bis (2-chloroisopropyl) ether	<0.127		0.315	0.127	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Bis(2-ethylhexyl) phthalate	<0.0123		0.315	0.0123	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
4-Bromophenyl phenyl ether	<0.0161		0.315	0.0161	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Butyl benzyl phthalate	<0.0151		0.315	0.0151	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Caprolactam	<0.102		0.315	0.102	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Carbazole	<0.00662		0.315	0.00662	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
4-Chloroaniline	<0.157		0.315	0.157	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
4-Chloro-3-methylphenol	<0.0151		0.315	0.0151	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2-Chloronaphthalene	<0.0161		0.315	0.0161	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2-Chlorophenol	<0.0142		0.315	0.0142	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
4-Chlorophenyl phenyl ether	<0.0227		0.315	0.0227	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Chrysene	<0.00852		0.0634	0.00852	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Dibenz(a,h)anthracene	<0.00662		0.0634	0.00662	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Dibenzofuran	<0.0123		0.315	0.0123	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
3,3'-Dichlorobenzidine	<0.126		0.631	0.126	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2,4-Dichlorophenol	<0.0161		0.315	0.0161	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Diethyl phthalate	<0.0132		0.315	0.0132	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2,4-Dimethylphenol	<0.182		0.315	0.182	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Dimethyl phthalate	<0.00757		1.58	0.00757	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Di-n-butyl phthalate	<0.0123		0.315	0.0123	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
4,6-Dinitro-2-methylphenol	<0.0975		0.315	0.0975	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2,4-Dinitrophenol	<0.104		0.315	0.104	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2,4-Dinitrotoluene	<0.00852		0.315	0.00852	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2,6-Dinitrotoluene	<0.0293		0.315	0.0293	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Di-n-octyl phthalate	<0.0123		0.315	0.0123	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Fluoranthene	<0.00852		0.0634	0.00852	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 SB-2 (40-44)**

**Lab Sample ID: 490-66957-7**

**Date Collected: 11/20/14 15:40**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 54.4**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.0114		0.0634	0.0114	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Hexachlorobenzene	<0.0274		0.315	0.0274	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Hexachlorobutadiene	<0.0662		0.315	0.0662	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Hexachlorocyclopentadiene	<0.0151		0.315	0.0151	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Hexachloroethane	<0.0189		0.315	0.0189	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Indeno[1,2,3-cd]pyrene	<0.00946		0.0634	0.00946	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Isophorone	<0.0558		0.315	0.0558	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2-Methylnaphthalene	<0.0151		0.0634	0.0151	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2-Methylphenol	<0.0880		0.315	0.0880	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
3 & 4 Methylphenol	<0.0189		0.315	0.0189	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Naphthalene	<0.00852		0.0634	0.00852	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2-Nitroaniline	<0.0170		0.788	0.0170	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
3-Nitroaniline	<0.140		0.788	0.140	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
4-Nitroaniline	<0.0284		0.788	0.0284	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Nitrobenzene	<0.0161		0.315	0.0161	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2-Nitrophenol	<0.0123		0.315	0.0123	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
4-Nitrophenol	<0.0142		0.315	0.0142	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
N-Nitrosodi-n-propylamine	<0.0199		0.315	0.0199	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0151		0.315	0.0151	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Pentachlorophenol	<0.118		0.788	0.118	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Phenanthrene	<0.00852		0.0634	0.00852	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Phenol	<0.0132		0.315	0.0132	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Pyrene	<0.0114		0.0634	0.0114	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
1,2,4,5-Tetrachlorobenzene	<0.244		1.58	0.244	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2,3,4,6-Tetrachlorophenol	<0.160		0.315	0.160	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2,4,5-Trichlorophenol	<0.0161		0.788	0.0161	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
2,4,6-Trichlorophenol	<0.0237		0.315	0.0237	mg/Kg	☼	11/25/14 10:45	11/26/14 21:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		29 - 120				11/25/14 10:45	11/26/14 21:23	1
2-Fluorophenol (Surr)	73		10 - 120				11/25/14 10:45	11/26/14 21:23	1
Nitrobenzene-d5 (Surr)	77		27 - 120				11/25/14 10:45	11/26/14 21:23	1
Phenol-d5 (Surr)	77		10 - 120				11/25/14 10:45	11/26/14 21:23	1
Terphenyl-d14 (Surr)	78		13 - 120				11/25/14 10:45	11/26/14 21:23	1
2,4,6-Tribromophenol (Surr)	79		10 - 120				11/25/14 10:45	11/26/14 21:23	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000309		0.00170	0.000309	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
alpha-BHC	<0.000200		0.00170	0.000200	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
beta-BHC	<0.000200		0.00170	0.000200	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
delta-BHC	<0.000379		0.00170	0.000379	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
gamma-BHC (Lindane)	<0.000389		0.00170	0.000389	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
alpha-Chlordane	<0.000429		0.00170	0.000429	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
gamma-Chlordane	<0.000789		0.00170	0.000789	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
Chlordane (technical)	<0.0362		0.0499	0.0362	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
4,4'-DDD	<0.000429		0.00170	0.000429	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
4,4'-DDE	<0.000499		0.00170	0.000499	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
4,4'-DDT	<0.000849		0.00170	0.000849	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 SB-2 (40-44)**

**Lab Sample ID: 490-66957-7**

**Date Collected: 11/20/14 15:40**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 54.4**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.000399		0.00170	0.000399	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
Endosulfan I	<0.000469		0.00170	0.000469	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
Endosulfan II	<0.000549		0.00170	0.000549	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
Endosulfan sulfate	<0.000499		0.00170	0.000499	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
Endrin	<0.000429		0.00170	0.000429	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
Endrin aldehyde	<0.000509 *		0.00170	0.000509	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
Endrin ketone	<0.000589		0.00170	0.000589	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
Heptachlor	<0.000419		0.00170	0.000419	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
Heptachlor epoxide	<0.000649		0.00170	0.000649	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
Methoxychlor	<0.000489		0.00329	0.000489	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1
Toxaphene	<0.0421		0.0666	0.0421	mg/Kg	☼	11/26/14 14:49	12/09/14 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		21 - 145	11/26/14 14:49	12/09/14 02:33	1
DCB Decachlorobiphenyl (Surr)	82		25 - 150	11/26/14 14:49	12/09/14 02:33	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00998 *		0.0332	0.00998	mg/Kg	☼	11/26/14 14:49	11/29/14 16:32	1
PCB-1221	<0.00998		0.0332	0.00998	mg/Kg	☼	11/26/14 14:49	11/29/14 16:32	1
PCB-1232	<0.0200		0.0332	0.0200	mg/Kg	☼	11/26/14 14:49	11/29/14 16:32	1
PCB-1242	<0.00998		0.0332	0.00998	mg/Kg	☼	11/26/14 14:49	11/29/14 16:32	1
PCB-1248	<0.00998		0.0332	0.00998	mg/Kg	☼	11/26/14 14:49	11/29/14 16:32	1
PCB-1254	<0.00998		0.0332	0.00998	mg/Kg	☼	11/26/14 14:49	11/29/14 16:32	1
PCB-1260	<0.00998		0.0332	0.00998	mg/Kg	☼	11/26/14 14:49	11/29/14 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	146		20 - 150	11/26/14 14:49	11/29/14 16:32	1
Tetrachloro-m-xylene	123		19 - 147	11/26/14 14:49	11/29/14 16:32	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>16800</b>		36.6	18.3	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
Antimony	<1.83		18.3	1.83	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Arsenic</b>	<b>2.08 J</b>		3.66	1.65	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Barium</b>	<b>94.2</b>		3.66	2.92	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
Beryllium	<0.731		1.83	0.731	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
Cadmium	<0.183		1.83	0.183	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
Calcium	<183		366	183	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Chromium</b>	<b>11.4</b>		1.83	1.10	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Cobalt</b>	<b>2.56 J</b>		3.66	1.83	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Copper</b>	<b>6.87</b>		3.66	1.83	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Iron</b>	<b>15600</b>		73.1	36.6	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Lead</b>	<b>29.0</b>		1.83	0.914	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Magnesium</b>	<b>3070</b>		366	183	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Manganese</b>	<b>160</b>		5.48	1.83	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Nickel</b>	<b>4.24</b>		3.66	1.10	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Potassium</b>	<b>4030</b>		366	183	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
Selenium	<1.83		3.66	1.83	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
Silver	<0.914		1.83	0.914	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 SB-2 (40-44)**

**Lab Sample ID: 490-66957-7**

**Date Collected: 11/20/14 15:40**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 54.4**

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<183		366	183	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
Thallium	<1.83		3.66	1.83	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Vanadium</b>	<b>30.1</b>		18.3	3.66	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1
<b>Zinc</b>	<b>41.4</b>		18.3	11.0	mg/Kg	☼	12/12/14 09:47	12/15/14 19:56	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0544		0.181	0.0544	mg/Kg	☼	12/08/14 16:35	12/10/14 10:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Solids</b>	<b>54</b>		0.10	0.10	%			11/22/14 09:54	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 TW-2 (4-14)**

**Lab Sample ID: 490-66957-8**

**Date Collected: 11/20/14 15:15**

**Matrix: Ground Water**

**Date Received: 11/21/14 08:50**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		25.0	2.66	ug/L			12/02/14 23:02	1
Benzene	<0.200		1.00	0.200	ug/L			12/02/14 23:02	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			12/02/14 23:02	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			12/02/14 23:02	1
Bromoform	<0.290		1.00	0.290	ug/L			12/02/14 23:02	1
Bromomethane	<0.350		1.00	0.350	ug/L			12/02/14 23:02	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			12/02/14 23:02	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			12/02/14 23:02	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			12/02/14 23:02	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 23:02	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			12/02/14 23:02	1
Chloroethane	<0.360		1.00	0.360	ug/L			12/02/14 23:02	1
Chloroform	<0.230		1.00	0.230	ug/L			12/02/14 23:02	1
Chloromethane	<0.360		1.00	0.360	ug/L			12/02/14 23:02	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			12/02/14 23:02	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 23:02	1
Cyclohexane	<0.220		5.00	0.220	ug/L			12/02/14 23:02	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			12/02/14 23:02	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			12/02/14 23:02	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			12/02/14 23:02	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 23:02	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			12/02/14 23:02	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			12/02/14 23:02	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			12/02/14 23:02	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			12/02/14 23:02	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			12/02/14 23:02	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			12/02/14 23:02	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			12/02/14 23:02	1
2-Hexanone	<1.28		10.0	1.28	ug/L			12/02/14 23:02	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			12/02/14 23:02	1
Methyl acetate	<0.720		10.0	0.720	ug/L			12/02/14 23:02	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			12/02/14 23:02	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			12/02/14 23:02	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			12/02/14 23:02	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			12/02/14 23:02	1
Styrene	<0.280		1.00	0.280	ug/L			12/02/14 23:02	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			12/02/14 23:02	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			12/02/14 23:02	1
Toluene	<0.170		1.00	0.170	ug/L			12/02/14 23:02	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			12/02/14 23:02	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 23:02	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			12/02/14 23:02	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			12/02/14 23:02	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 23:02	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 23:02	1
Trichloroethene	<0.200		1.00	0.200	ug/L			12/02/14 23:02	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			12/02/14 23:02	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			12/02/14 23:02	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			12/02/14 23:02	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 TW-2 (4-14)**

**Lab Sample ID: 490-66957-8**

**Date Collected: 11/20/14 15:15**

**Matrix: Ground Water**

**Date Received: 11/21/14 08:50**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			12/02/14 23:02	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	103		70 - 130					12/02/14 23:02	1
Dibromofluoromethane (Surr)	93		70 - 130					12/02/14 23:02	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 130					12/02/14 23:02	1
Toluene-d8 (Surr)	102		70 - 130					12/02/14 23:02	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.347		1.90	0.347	ug/L		11/24/14 07:05	11/25/14 17:37	1
Acenaphthylene	<0.313		1.90	0.313	ug/L		11/24/14 07:05	11/25/14 17:37	1
Acetophenone	<1.80		9.48	1.80	ug/L		11/24/14 07:05	11/25/14 17:37	1
Anthracene	<0.837		1.90	0.837	ug/L		11/24/14 07:05	11/25/14 17:37	1
Atrazine	<3.51	*	9.48	3.51	ug/L		11/24/14 07:05	11/25/14 17:37	1
Benzaldehyde	<2.04	*	9.48	2.04	ug/L		11/24/14 07:05	11/25/14 17:37	1
Benzo[a]anthracene	<0.307		1.90	0.307	ug/L		11/24/14 07:05	11/25/14 17:37	1
Benzo[a]pyrene	<0.313		1.90	0.313	ug/L		11/24/14 07:05	11/25/14 17:37	1
Benzo[b]fluoranthene	<0.400		1.90	0.400	ug/L		11/24/14 07:05	11/25/14 17:37	1
Benzo[g,h,i]perylene	<0.272		1.90	0.272	ug/L		11/24/14 07:05	11/25/14 17:37	1
Benzo[k]fluoranthene	<0.345		1.90	0.345	ug/L		11/24/14 07:05	11/25/14 17:37	1
Biphenyl	<3.16		9.48	3.16	ug/L		11/24/14 07:05	11/25/14 17:37	1
Bis(2-chloroethoxy)methane	<1.29		9.48	1.29	ug/L		11/24/14 07:05	11/25/14 17:37	1
Bis(2-chloroethyl)ether	<1.32		9.48	1.32	ug/L		11/24/14 07:05	11/25/14 17:37	1
bis (2-chloroisopropyl) ether	<1.86		9.48	1.86	ug/L		11/24/14 07:05	11/25/14 17:37	1
Bis(2-ethylhexyl) phthalate	<1.95		9.48	1.95	ug/L		11/24/14 07:05	11/25/14 17:37	1
4-Bromophenyl phenyl ether	<1.30		9.48	1.30	ug/L		11/24/14 07:05	11/25/14 17:37	1
Butyl benzyl phthalate	<1.65		9.48	1.65	ug/L		11/24/14 07:05	11/25/14 17:37	1
Caprolactam	<3.16		9.48	3.16	ug/L		11/24/14 07:05	11/25/14 17:37	1
Carbazole	<0.283		9.48	0.283	ug/L		11/24/14 07:05	11/25/14 17:37	1
4-Chloroaniline	<1.11		9.48	1.11	ug/L		11/24/14 07:05	11/25/14 17:37	1
4-Chloro-3-methylphenol	<3.16		9.48	3.16	ug/L		11/24/14 07:05	11/25/14 17:37	1
2-Chloronaphthalene	<1.55		9.48	1.55	ug/L		11/24/14 07:05	11/25/14 17:37	1
2-Chlorophenol	<1.51		9.48	1.51	ug/L		11/24/14 07:05	11/25/14 17:37	1
4-Chlorophenyl phenyl ether	<1.66		9.48	1.66	ug/L		11/24/14 07:05	11/25/14 17:37	1
Chrysene	<1.03		1.90	1.03	ug/L		11/24/14 07:05	11/25/14 17:37	1
Dibenz(a,h)anthracene	<0.610		1.90	0.610	ug/L		11/24/14 07:05	11/25/14 17:37	1
Dibenzofuran	<0.321		9.48	0.321	ug/L		11/24/14 07:05	11/25/14 17:37	1
3,3'-Dichlorobenzidine	<1.44		9.48	1.44	ug/L		11/24/14 07:05	11/25/14 17:37	1
2,4-Dichlorophenol	<0.967		9.48	0.967	ug/L		11/24/14 07:05	11/25/14 17:37	1
<b>Diethyl phthalate</b>	<b>2.76</b>	<b>J</b>	9.48	1.54	ug/L		11/24/14 07:05	11/25/14 17:37	1
2,4-Dimethylphenol	<0.944		9.48	0.944	ug/L		11/24/14 07:05	11/25/14 17:37	1
Dimethyl phthalate	<1.72		9.48	1.72	ug/L		11/24/14 07:05	11/25/14 17:37	1
Di-n-butyl phthalate	<1.42		9.48	1.42	ug/L		11/24/14 07:05	11/25/14 17:37	1
4,6-Dinitro-2-methylphenol	<1.96		23.7	1.96	ug/L		11/24/14 07:05	11/25/14 17:37	1
2,4-Dinitrophenol	<2.33		23.7	2.33	ug/L		11/24/14 07:05	11/25/14 17:37	1
2,4-Dinitrotoluene	<3.16		9.48	3.16	ug/L		11/24/14 07:05	11/25/14 17:37	1
2,6-Dinitrotoluene	<1.84		9.48	1.84	ug/L		11/24/14 07:05	11/25/14 17:37	1
Di-n-octyl phthalate	<2.19		9.48	2.19	ug/L		11/24/14 07:05	11/25/14 17:37	1
Fluoranthene	<0.329		1.90	0.329	ug/L		11/24/14 07:05	11/25/14 17:37	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 TW-2 (4-14)**

**Lab Sample ID: 490-66957-8**

**Date Collected: 11/20/14 15:15**

**Matrix: Ground Water**

**Date Received: 11/21/14 08:50**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.300		1.90	0.300	ug/L		11/24/14 07:05	11/25/14 17:37	1
Hexachlorobenzene	<1.60		9.48	1.60	ug/L		11/24/14 07:05	11/25/14 17:37	1
Hexachlorobutadiene	<3.16		9.48	3.16	ug/L		11/24/14 07:05	11/25/14 17:37	1
Hexachlorocyclopentadiene	<3.16		9.48	3.16	ug/L		11/24/14 07:05	11/25/14 17:37	1
Hexachloroethane	<3.16		9.48	3.16	ug/L		11/24/14 07:05	11/25/14 17:37	1
Indeno[1,2,3-cd]pyrene	<0.361		1.90	0.361	ug/L		11/24/14 07:05	11/25/14 17:37	1
Isophorone	<1.18		9.48	1.18	ug/L		11/24/14 07:05	11/25/14 17:37	1
2-Methylnaphthalene	<0.295		1.90	0.295	ug/L		11/24/14 07:05	11/25/14 17:37	1
2-Methylphenol	<3.16		9.48	3.16	ug/L		11/24/14 07:05	11/25/14 17:37	1
3 & 4 Methylphenol	<3.16		9.48	3.16	ug/L		11/24/14 07:05	11/25/14 17:37	1
Naphthalene	<0.377		1.90	0.377	ug/L		11/24/14 07:05	11/25/14 17:37	1
2-Nitroaniline	<0.986		23.7	0.986	ug/L		11/24/14 07:05	11/25/14 17:37	1
3-Nitroaniline	<1.75		23.7	1.75	ug/L		11/24/14 07:05	11/25/14 17:37	1
4-Nitroaniline	<2.27		23.7	2.27	ug/L		11/24/14 07:05	11/25/14 17:37	1
Nitrobenzene	<1.18		9.48	1.18	ug/L		11/24/14 07:05	11/25/14 17:37	1
2-Nitrophenol	<1.49		9.48	1.49	ug/L		11/24/14 07:05	11/25/14 17:37	1
4-Nitrophenol	<3.16		23.7	3.16	ug/L		11/24/14 07:05	11/25/14 17:37	1
N-Nitrosodi-n-propylamine	<1.35		9.48	1.35	ug/L		11/24/14 07:05	11/25/14 17:37	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.36		9.48	1.36	ug/L		11/24/14 07:05	11/25/14 17:37	1
Pentachlorophenol	<1.56		23.7	1.56	ug/L		11/24/14 07:05	11/25/14 17:37	1
Phenanthrene	<0.325		1.90	0.325	ug/L		11/24/14 07:05	11/25/14 17:37	1
Phenol	<3.27		9.48	3.27	ug/L		11/24/14 07:05	11/25/14 17:37	1
Pyrene	<0.314		1.90	0.314	ug/L		11/24/14 07:05	11/25/14 17:37	1
1,2,4,5-Tetrachlorobenzene	<3.83		9.48	3.83	ug/L		11/24/14 07:05	11/25/14 17:37	1
2,3,4,6-Tetrachlorophenol	<3.44		9.48	3.44	ug/L		11/24/14 07:05	11/25/14 17:37	1
2,4,5-Trichlorophenol	<1.92		23.7	1.92	ug/L		11/24/14 07:05	11/25/14 17:37	1
2,4,6-Trichlorophenol	<1.67		9.48	1.67	ug/L		11/24/14 07:05	11/25/14 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		29 - 120				11/24/14 07:05	11/25/14 17:37	1
2-Fluorophenol (Surr)	41		10 - 120				11/24/14 07:05	11/25/14 17:37	1
Nitrobenzene-d5 (Surr)	70		27 - 120				11/24/14 07:05	11/25/14 17:37	1
Phenol-d5 (Surr)	26		10 - 120				11/24/14 07:05	11/25/14 17:37	1
Terphenyl-d14 (Surr)	60		13 - 120				11/24/14 07:05	11/25/14 17:37	1
2,4,6-Tribromophenol (Surr)	71		10 - 120				11/24/14 07:05	11/25/14 17:37	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00615		0.0260	0.00615	ug/L		11/22/14 19:11	12/10/14 00:00	1
alpha-BHC	<0.0116		0.0260	0.0116	ug/L		11/22/14 19:11	12/10/14 00:00	1
beta-BHC	<0.00729		0.0260	0.00729	ug/L		11/22/14 19:11	12/10/14 00:00	1
delta-BHC	<0.00802		0.0260	0.00802	ug/L		11/22/14 19:11	12/10/14 00:00	1
gamma-BHC (Lindane)	<0.00594		0.0260	0.00594	ug/L		11/22/14 19:11	12/10/14 00:00	1
alpha-Chlordane	<0.00552		0.0260	0.00552	ug/L		11/22/14 19:11	12/10/14 00:00	1
gamma-Chlordane	<0.0188		0.0260	0.0188	ug/L		11/22/14 19:11	12/10/14 00:00	1
Chlordane (technical)	<0.191		2.08	0.191	ug/L		11/22/14 19:11	12/10/14 00:00	1
4,4'-DDD	<0.00802		0.0260	0.00802	ug/L		11/22/14 19:11	12/10/14 00:00	1
4,4'-DDE	<0.0103		0.0260	0.0103	ug/L		11/22/14 19:11	12/10/14 00:00	1
4,4'-DDT	<0.00927		0.0260	0.00927	ug/L		11/22/14 19:11	12/10/14 00:00	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 TW-2 (4-14)**

**Lab Sample ID: 490-66957-8**

**Date Collected: 11/20/14 15:15**

**Matrix: Ground Water**

**Date Received: 11/21/14 08:50**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00594		0.0260	0.00594	ug/L		11/22/14 19:11	12/10/14 00:00	1
Endosulfan I	<0.00813		0.0260	0.00813	ug/L		11/22/14 19:11	12/10/14 00:00	1
Endosulfan II	<0.00563		0.0260	0.00563	ug/L		11/22/14 19:11	12/10/14 00:00	1
Endosulfan sulfate	<0.00677		0.0260	0.00677	ug/L		11/22/14 19:11	12/10/14 00:00	1
Endrin	<0.00688		0.0260	0.00688	ug/L		11/22/14 19:11	12/10/14 00:00	1
Endrin aldehyde	<0.00906		0.0260	0.00906	ug/L		11/22/14 19:11	12/10/14 00:00	1
Endrin ketone	<0.00677		0.0260	0.00677	ug/L		11/22/14 19:11	12/10/14 00:00	1
Heptachlor	<0.00594		0.0260	0.00594	ug/L		11/22/14 19:11	12/10/14 00:00	1
Heptachlor epoxide	<0.00729		0.0260	0.00729	ug/L		11/22/14 19:11	12/10/14 00:00	1
Methoxychlor	<0.00552		0.0260	0.00552	ug/L		11/22/14 19:11	12/10/14 00:00	1
Toxaphene	<0.0430		2.08	0.0430	ug/L		11/22/14 19:11	12/10/14 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		38 - 150	11/22/14 19:11	12/10/14 00:00	1
DCB Decachlorobiphenyl (Surr)	28		10 - 141	11/22/14 19:11	12/10/14 00:00	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0510		0.521	0.0510	ug/L		11/22/14 19:11	11/27/14 17:54	1
PCB-1221	<0.271		0.521	0.271	ug/L		11/22/14 19:11	11/27/14 17:54	1
PCB-1232	<0.0729		0.521	0.0729	ug/L		11/22/14 19:11	11/27/14 17:54	1
PCB-1242	<0.0667		0.521	0.0667	ug/L		11/22/14 19:11	11/27/14 17:54	1
PCB-1248	<0.0719		0.521	0.0719	ug/L		11/22/14 19:11	11/27/14 17:54	1
PCB-1254	<0.00729		0.521	0.00729	ug/L		11/22/14 19:11	11/27/14 17:54	1
PCB-1260	<0.0125		0.521	0.0125	ug/L		11/22/14 19:11	11/27/14 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	38		10 - 150	11/22/14 19:11	11/27/14 17:54	1
Tetrachloro-m-xylene	93		10 - 150	11/22/14 19:11	11/27/14 17:54	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>56.9</b>		0.100	0.0500	mg/L		12/05/14 07:19	12/14/14 17:23	1
Antimony	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Arsenic</b>	<b>0.0141</b>		0.0100	0.00720	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Barium</b>	<b>0.118</b>		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:23	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/05/14 07:19	12/14/14 17:23	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Calcium</b>	<b>92.8</b>		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Chromium</b>	<b>0.0822</b>		0.00500	0.00300	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Cobalt</b>	<b>0.00700</b>	J	0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:23	1
Copper	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Iron</b>	<b>43.3</b>		0.100	0.0500	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Lead</b>	<b>0.0552</b>		0.00500	0.00200	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Magnesium</b>	<b>15.7</b>		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Manganese</b>	<b>0.351</b>		0.0150	0.00500	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Nickel</b>	<b>0.0128</b>		0.0100	0.00300	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Potassium</b>	<b>5.25</b>		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 17:23	1
Selenium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:23	1
Silver	<0.00250		0.00500	0.00250	mg/L		12/05/14 07:19	12/14/14 17:23	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4 TW-2 (4-14)**

**Lab Sample ID: 490-66957-8**

Date Collected: 11/20/14 15:15

Matrix: Ground Water

Date Received: 11/21/14 08:50

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>13.6</b>		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 17:23	1
Thallium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Vanadium</b>	<b>0.0782</b>		0.0200	0.0100	mg/L		12/05/14 07:19	12/14/14 17:23	1
<b>Zinc</b>	<b>0.0495</b>	<b>J</b>	0.0500	0.0300	mg/L		12/05/14 07:19	12/14/14 17:23	1

**Method: 6010C - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		12/04/14 14:22	12/15/14 02:11	1
Antimony	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 02:11	1
Arsenic	<0.00720		0.0100	0.00720	mg/L		12/04/14 14:22	12/15/14 02:11	1
<b>Barium</b>	<b>0.00860</b>	<b>J</b>	0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 02:11	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/04/14 14:22	12/15/14 02:11	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		12/04/14 14:22	12/15/14 02:11	1
<b>Calcium</b>	<b>7.67</b>		1.00	0.500	mg/L		12/04/14 14:22	12/15/14 02:11	1
Chromium	<0.00300		0.00500	0.00300	mg/L		12/04/14 14:22	12/15/14 02:11	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 02:11	1
<b>Copper</b>	<b>0.0149</b>		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 02:11	1
<b>Iron</b>	<b>0.0960</b>	<b>J</b>	0.100	0.0500	mg/L		12/04/14 14:22	12/15/14 02:11	1
<b>Lead</b>	<b>0.00360</b>	<b>J</b>	0.00500	0.00200	mg/L		12/04/14 14:22	12/15/14 02:11	1
<b>Magnesium</b>	<b>3.67</b>		1.00	0.500	mg/L		12/04/14 14:22	12/15/14 02:11	1
<b>Manganese</b>	<b>0.524</b>		0.0150	0.00500	mg/L		12/04/14 14:22	12/15/14 02:11	1
Nickel	<0.00300		0.0100	0.00300	mg/L		12/04/14 14:22	12/15/14 02:11	1
<b>Potassium</b>	<b>1.25</b>		1.00	0.500	mg/L		12/04/14 14:22	12/15/14 02:11	1
Selenium	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 02:11	1
Silver	<0.00250		0.00500	0.00250	mg/L		12/04/14 14:22	12/15/14 02:11	1
<b>Sodium</b>	<b>4.26</b>		1.00	0.500	mg/L		12/04/14 14:22	12/15/14 02:11	1
Thallium	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 02:11	1
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/04/14 14:22	12/15/14 02:11	1
<b>Zinc</b>	<b>0.0813</b>		0.0500	0.0300	mg/L		12/04/14 14:22	12/15/14 02:11	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150	H	0.000200	0.000150	mg/L		12/24/14 12:44	12/29/14 15:48	1

**Method: 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		12/09/14 08:33	12/10/14 18:10	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66957-9**

**Date Collected: 11/20/14 01:01**

**Matrix: Water**

**Date Received: 11/21/14 08:50**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		25.0	2.66	ug/L			12/02/14 18:32	1
Benzene	<0.200		1.00	0.200	ug/L			12/02/14 18:32	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			12/02/14 18:32	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			12/02/14 18:32	1
Bromoform	<0.290		1.00	0.290	ug/L			12/02/14 18:32	1
Bromomethane	<0.350		1.00	0.350	ug/L			12/02/14 18:32	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			12/02/14 18:32	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			12/02/14 18:32	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			12/02/14 18:32	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 18:32	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			12/02/14 18:32	1
Chloroethane	<0.360		1.00	0.360	ug/L			12/02/14 18:32	1
Chloroform	<0.230		1.00	0.230	ug/L			12/02/14 18:32	1
Chloromethane	<0.360		1.00	0.360	ug/L			12/02/14 18:32	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			12/02/14 18:32	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 18:32	1
Cyclohexane	<0.220		5.00	0.220	ug/L			12/02/14 18:32	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			12/02/14 18:32	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			12/02/14 18:32	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			12/02/14 18:32	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 18:32	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			12/02/14 18:32	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			12/02/14 18:32	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			12/02/14 18:32	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			12/02/14 18:32	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			12/02/14 18:32	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			12/02/14 18:32	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			12/02/14 18:32	1
2-Hexanone	<1.28		10.0	1.28	ug/L			12/02/14 18:32	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			12/02/14 18:32	1
Methyl acetate	<0.720		10.0	0.720	ug/L			12/02/14 18:32	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			12/02/14 18:32	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			12/02/14 18:32	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			12/02/14 18:32	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			12/02/14 18:32	1
Styrene	<0.280		1.00	0.280	ug/L			12/02/14 18:32	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			12/02/14 18:32	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			12/02/14 18:32	1
Toluene	<0.170		1.00	0.170	ug/L			12/02/14 18:32	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			12/02/14 18:32	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 18:32	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			12/02/14 18:32	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			12/02/14 18:32	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 18:32	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 18:32	1
Trichloroethene	<0.200		1.00	0.200	ug/L			12/02/14 18:32	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			12/02/14 18:32	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			12/02/14 18:32	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			12/02/14 18:32	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66957-9**

Date Collected: 11/20/14 01:01

Matrix: Water

Date Received: 11/21/14 08:50

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			12/02/14 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130		12/02/14 18:32	1
Dibromofluoromethane (Surr)	91		70 - 130		12/02/14 18:32	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 130		12/02/14 18:32	1
Toluene-d8 (Surr)	102		70 - 130		12/02/14 18:32	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66957-10**

**Date Collected: 11/20/14 01:01**

**Matrix: Water**

**Date Received: 11/21/14 08:50**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		25.0	2.66	ug/L			12/02/14 18:59	1
Benzene	<0.200		1.00	0.200	ug/L			12/02/14 18:59	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			12/02/14 18:59	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			12/02/14 18:59	1
Bromoform	<0.290		1.00	0.290	ug/L			12/02/14 18:59	1
Bromomethane	<0.350		1.00	0.350	ug/L			12/02/14 18:59	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			12/02/14 18:59	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			12/02/14 18:59	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			12/02/14 18:59	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 18:59	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			12/02/14 18:59	1
Chloroethane	<0.360		1.00	0.360	ug/L			12/02/14 18:59	1
Chloroform	<0.230		1.00	0.230	ug/L			12/02/14 18:59	1
Chloromethane	<0.360		1.00	0.360	ug/L			12/02/14 18:59	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			12/02/14 18:59	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 18:59	1
Cyclohexane	<0.220		5.00	0.220	ug/L			12/02/14 18:59	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			12/02/14 18:59	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			12/02/14 18:59	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			12/02/14 18:59	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 18:59	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			12/02/14 18:59	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			12/02/14 18:59	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			12/02/14 18:59	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			12/02/14 18:59	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			12/02/14 18:59	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			12/02/14 18:59	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			12/02/14 18:59	1
2-Hexanone	<1.28		10.0	1.28	ug/L			12/02/14 18:59	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			12/02/14 18:59	1
Methyl acetate	<0.720		10.0	0.720	ug/L			12/02/14 18:59	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			12/02/14 18:59	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			12/02/14 18:59	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			12/02/14 18:59	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			12/02/14 18:59	1
Styrene	<0.280		1.00	0.280	ug/L			12/02/14 18:59	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			12/02/14 18:59	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			12/02/14 18:59	1
Toluene	<0.170		1.00	0.170	ug/L			12/02/14 18:59	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			12/02/14 18:59	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 18:59	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			12/02/14 18:59	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			12/02/14 18:59	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 18:59	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 18:59	1
Trichloroethene	<0.200		1.00	0.200	ug/L			12/02/14 18:59	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			12/02/14 18:59	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			12/02/14 18:59	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			12/02/14 18:59	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66957-10**

Date Collected: 11/20/14 01:01

Matrix: Water

Date Received: 11/21/14 08:50

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			12/02/14 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130		12/02/14 18:59	1
Dibromofluoromethane (Surr)	92		70 - 130		12/02/14 18:59	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 130		12/02/14 18:59	1
Toluene-d8 (Surr)	102		70 - 130		12/02/14 18:59	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66957-11**

Date Collected: 11/20/14 01:01

Matrix: Water

Date Received: 11/21/14 08:50

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>3.06</b>	<b>J</b>	25.0	2.66	ug/L			12/02/14 19:26	1
Benzene	<0.200		1.00	0.200	ug/L			12/02/14 19:26	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			12/02/14 19:26	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			12/02/14 19:26	1
Bromoform	<0.290		1.00	0.290	ug/L			12/02/14 19:26	1
Bromomethane	<0.350		1.00	0.350	ug/L			12/02/14 19:26	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			12/02/14 19:26	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			12/02/14 19:26	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			12/02/14 19:26	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 19:26	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			12/02/14 19:26	1
Chloroethane	<0.360		1.00	0.360	ug/L			12/02/14 19:26	1
Chloroform	<0.230		1.00	0.230	ug/L			12/02/14 19:26	1
Chloromethane	<0.360		1.00	0.360	ug/L			12/02/14 19:26	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			12/02/14 19:26	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 19:26	1
Cyclohexane	<0.220		5.00	0.220	ug/L			12/02/14 19:26	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			12/02/14 19:26	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			12/02/14 19:26	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			12/02/14 19:26	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 19:26	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			12/02/14 19:26	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			12/02/14 19:26	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			12/02/14 19:26	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			12/02/14 19:26	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			12/02/14 19:26	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			12/02/14 19:26	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			12/02/14 19:26	1
2-Hexanone	<1.28		10.0	1.28	ug/L			12/02/14 19:26	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			12/02/14 19:26	1
Methyl acetate	<0.720		10.0	0.720	ug/L			12/02/14 19:26	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			12/02/14 19:26	1
<b>Methylene Chloride</b>	<b>0.694</b>	<b>J</b>	5.00	0.220	ug/L			12/02/14 19:26	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			12/02/14 19:26	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			12/02/14 19:26	1
Styrene	<0.280		1.00	0.280	ug/L			12/02/14 19:26	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			12/02/14 19:26	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			12/02/14 19:26	1
Toluene	<0.170		1.00	0.170	ug/L			12/02/14 19:26	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			12/02/14 19:26	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 19:26	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			12/02/14 19:26	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			12/02/14 19:26	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 19:26	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 19:26	1
Trichloroethene	<0.200		1.00	0.200	ug/L			12/02/14 19:26	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			12/02/14 19:26	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			12/02/14 19:26	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			12/02/14 19:26	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66957-11**

**Date Collected: 11/20/14 01:01**

**Matrix: Water**

**Date Received: 11/21/14 08:50**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L	-		12/02/14 19:26	1
<hr/>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130					12/02/14 19:26	1
Dibromofluoromethane (Surr)	93		70 - 130					12/02/14 19:26	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 130					12/02/14 19:26	1
Toluene-d8 (Surr)	102		70 - 130					12/02/14 19:26	1

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA

**Lab Sample ID: MB 490-209880/8**  
**Matrix: Solid**  
**Analysis Batch: 209880**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0400		0.0500	0.0400	mg/Kg			11/28/14 23:36	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			11/28/14 23:36	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			11/28/14 23:36	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			11/28/14 23:36	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			11/28/14 23:36	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			11/28/14 23:36	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			11/28/14 23:36	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			11/28/14 23:36	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			11/28/14 23:36	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			11/28/14 23:36	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			11/28/14 23:36	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			11/28/14 23:36	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			11/28/14 23:36	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			11/28/14 23:36	1
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			11/28/14 23:36	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			11/28/14 23:36	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			11/28/14 23:36	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			11/28/14 23:36	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			11/28/14 23:36	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			11/28/14 23:36	1
Methylene Chloride	<0.000860		0.0100	0.000860	mg/Kg			11/28/14 23:36	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			11/28/14 23:36	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			11/28/14 23:36	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			11/28/14 23:36	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			11/28/14 23:36	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			11/28/14 23:36	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			11/28/14 23:36	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			11/28/14 23:36	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/28/14 23:36	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			11/28/14 23:36	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			11/28/14 23:36	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			11/28/14 23:36	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			11/28/14 23:36	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			11/28/14 23:36	1

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

Lab Sample ID: MB 490-209880/8

Matrix: Solid

Analysis Batch: 209880

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			11/28/14 23:36	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			11/28/14 23:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		11/28/14 23:36	1
Dibromofluoromethane (Surr)	102		70 - 130		11/28/14 23:36	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		11/28/14 23:36	1
Toluene-d8 (Surr)	96		70 - 130		11/28/14 23:36	1

Lab Sample ID: LCS 490-209880/4

Matrix: Solid

Analysis Batch: 209880

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2824		mg/Kg		113	70 - 130
Benzene	0.0500	0.05972		mg/Kg		119	70 - 130
Bromochloromethane	0.0500	0.06222		mg/Kg		124	70 - 130
Bromodichloromethane	0.0500	0.04998		mg/Kg		100	70 - 130
Bromoform	0.0500	0.04626		mg/Kg		93	70 - 130
Bromomethane	0.0500	0.06417		mg/Kg		128	70 - 130
2-Butanone (MEK)	0.250	0.2965		mg/Kg		119	70 - 130
Carbon disulfide	0.0500	0.05198		mg/Kg		104	70 - 130
Carbon tetrachloride	0.0500	0.05700		mg/Kg		114	70 - 130
Chlorobenzene	0.0500	0.06003		mg/Kg		120	70 - 130
Chlorodibromomethane	0.0500	0.04837		mg/Kg		97	70 - 130
Chloroethane	0.0500	0.05870		mg/Kg		117	70 - 130
Chloroform	0.0500	0.05416		mg/Kg		108	70 - 130
Chloromethane	0.0500	0.05325		mg/Kg		106	70 - 130
cis-1,2-Dichloroethene	0.0500	0.05167		mg/Kg		103	70 - 130
cis-1,3-Dichloropropene	0.0500	0.05736		mg/Kg		115	70 - 130
Cyclohexane	0.0500	0.05400		mg/Kg		108	70 - 130
1,2-Dibromo-3-Chloropropane	0.0500	0.04927		mg/Kg		99	70 - 130
1,2-Dibromoethane (EDB)	0.0500	0.06303		mg/Kg		126	70 - 130
1,2-Dichlorobenzene	0.0500	0.05937		mg/Kg		119	70 - 130
1,3-Dichlorobenzene	0.0500	0.05845		mg/Kg		117	70 - 130
1,4-Dichlorobenzene	0.0500	0.05618		mg/Kg		112	70 - 130
Dichlorodifluoromethane	0.0500	0.06045		mg/Kg		121	70 - 130
1,1-Dichloroethane	0.0500	0.05122		mg/Kg		102	70 - 130
1,2-Dichloroethane	0.0500	0.05411		mg/Kg		108	70 - 130
1,1-Dichloroethene	0.0500	0.05713		mg/Kg		114	70 - 130
1,2-Dichloropropane	0.0500	0.05310		mg/Kg		106	70 - 130
Ethylbenzene	0.0500	0.05875		mg/Kg		117	70 - 130
2-Hexanone	0.250	0.3158		mg/Kg		126	70 - 130
Isopropylbenzene	0.0500	0.05872		mg/Kg		117	70 - 130
Methyl acetate	0.250	0.1948		mg/Kg		78	70 - 130
Methylcyclohexane	0.0500	0.05772		mg/Kg		115	70 - 130
Methylene Chloride	0.0500	0.05208		mg/Kg		104	70 - 130
4-Methyl-2-pentanone (MIBK)	0.250	0.3161		mg/Kg		126	70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCS 490-209880/4**

**Matrix: Solid**

**Analysis Batch: 209880**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Methyl tert-butyl ether	0.0500	0.06284		mg/Kg		126	70 - 130	
Styrene	0.0500	0.05691		mg/Kg		114	70 - 130	
1,1,2,2-Tetrachloroethane	0.0500	0.05418		mg/Kg		108	70 - 130	
Tetrachloroethene	0.0500	0.06551	*	mg/Kg		131	70 - 130	
Toluene	0.0500	0.06339		mg/Kg		127	70 - 130	
trans-1,2-Dichloroethene	0.0500	0.05260		mg/Kg		105	70 - 130	
trans-1,3-Dichloropropene	0.0500	0.05186		mg/Kg		104	70 - 130	
1,2,3-Trichlorobenzene	0.0500	0.06601	*	mg/Kg		132	70 - 130	
1,2,4-Trichlorobenzene	0.0500	0.06209		mg/Kg		124	70 - 130	
1,1,1-Trichloroethane	0.0500	0.05842		mg/Kg		117	70 - 130	
1,1,2-Trichloroethane	0.0500	0.06495		mg/Kg		130	70 - 130	
Trichloroethene	0.0500	0.06051		mg/Kg		121	70 - 130	
Trichlorofluoromethane	0.0500	0.06019		mg/Kg		120	70 - 130	
1,1,2-Trichloro-1,2,2-trichlorofluoroethane	0.0500	0.05916		mg/Kg		118	70 - 130	
Vinyl chloride	0.0500	0.04638		mg/Kg		93	70 - 130	
Xylenes, Total	0.100	0.1129		mg/Kg		113	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	97		70 - 130

**Lab Sample ID: LCSD 490-209880/5**

**Matrix: Solid**

**Analysis Batch: 209880**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
									RPD	Limit
Acetone	0.250	0.2524		mg/Kg		101	70 - 130	11	20	
Benzene	0.0500	0.06149		mg/Kg		123	70 - 130	3	20	
Bromochloromethane	0.0500	0.06074		mg/Kg		121	70 - 130	2	20	
Bromodichloromethane	0.0500	0.05130		mg/Kg		103	70 - 130	3	20	
Bromoform	0.0500	0.04457		mg/Kg		89	70 - 130	4	20	
Bromomethane	0.0500	0.06861	*	mg/Kg		137	70 - 130	7	20	
2-Butanone (MEK)	0.250	0.2796		mg/Kg		112	70 - 130	6	20	
Carbon disulfide	0.0500	0.05235		mg/Kg		105	70 - 130	1	20	
Carbon tetrachloride	0.0500	0.05883		mg/Kg		118	70 - 130	3	20	
Chlorobenzene	0.0500	0.06039		mg/Kg		121	70 - 130	1	20	
Chlorodibromomethane	0.0500	0.04775		mg/Kg		95	70 - 130	1	20	
Chloroethane	0.0500	0.06085		mg/Kg		122	70 - 130	4	20	
Chloroform	0.0500	0.05731		mg/Kg		115	70 - 130	6	20	
Chloromethane	0.0500	0.03864	*	mg/Kg		77	70 - 130	32	20	
cis-1,2-Dichloroethene	0.0500	0.05175		mg/Kg		103	70 - 130	0	20	
cis-1,3-Dichloropropene	0.0500	0.05654		mg/Kg		113	70 - 130	1	20	
Cyclohexane	0.0500	0.05621		mg/Kg		112	70 - 130	4	20	
1,2-Dibromo-3-Chloropropane	0.0500	0.04781		mg/Kg		96	70 - 130	3	20	
1,2-Dibromoethane (EDB)	0.0500	0.06123		mg/Kg		122	70 - 130	3	20	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCSD 490-209880/5**

**Matrix: Solid**

**Analysis Batch: 209880**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,2-Dichlorobenzene	0.0500	0.06075		mg/Kg		122	70 - 130	2	20	
1,3-Dichlorobenzene	0.0500	0.05938		mg/Kg		119	70 - 130	2	20	
1,4-Dichlorobenzene	0.0500	0.05633		mg/Kg		113	70 - 130	0	20	
Dichlorodifluoromethane	0.0500	0.06312		mg/Kg		126	70 - 130	4	20	
1,1-Dichloroethane	0.0500	0.05229		mg/Kg		105	70 - 130	2	20	
1,2-Dichloroethane	0.0500	0.05302		mg/Kg		106	70 - 130	2	20	
1,1-Dichloroethene	0.0500	0.05954		mg/Kg		119	70 - 130	4	20	
1,2-Dichloropropane	0.0500	0.05377		mg/Kg		108	70 - 130	1	20	
Ethylbenzene	0.0500	0.06097		mg/Kg		122	70 - 130	4	20	
2-Hexanone	0.250	0.3044		mg/Kg		122	70 - 130	4	20	
Isopropylbenzene	0.0500	0.06047		mg/Kg		121	70 - 130	3	20	
Methyl acetate	0.250	0.1910		mg/Kg		76	70 - 130	2	20	
Methylcyclohexane	0.0500	0.06054		mg/Kg		121	70 - 130	5	20	
Methylene Chloride	0.0500	0.05241		mg/Kg		105	70 - 130	1	20	
4-Methyl-2-pentanone (MIBK)	0.250	0.3060		mg/Kg		122	70 - 130	3	20	
Methyl tert-butyl ether	0.0500	0.06169		mg/Kg		123	70 - 130	2	20	
Styrene	0.0500	0.05810		mg/Kg		116	70 - 130	2	20	
1,1,2,2-Tetrachloroethane	0.0500	0.05304		mg/Kg		106	70 - 130	2	20	
Tetrachloroethene	0.0500	0.06849	*	mg/Kg		137	70 - 130	4	20	
Toluene	0.0500	0.06588	*	mg/Kg		132	70 - 130	4	20	
trans-1,2-Dichloroethene	0.0500	0.05754		mg/Kg		115	70 - 130	9	20	
trans-1,3-Dichloropropene	0.0500	0.05102		mg/Kg		102	70 - 130	2	20	
1,2,3-Trichlorobenzene	0.0500	0.06508		mg/Kg		130	70 - 130	1	20	
1,2,4-Trichlorobenzene	0.0500	0.06177		mg/Kg		124	70 - 130	1	20	
1,1,1-Trichloroethane	0.0500	0.06069		mg/Kg		121	70 - 130	4	20	
1,1,2-Trichloroethane	0.0500	0.06465		mg/Kg		129	70 - 130	0	20	
Trichloroethene	0.0500	0.06379		mg/Kg		128	70 - 130	5	20	
Trichlorofluoromethane	0.0500	0.06183		mg/Kg		124	70 - 130	3	20	
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.06188		mg/Kg		124	70 - 130	5	20	
Vinyl chloride	0.0500	0.04766		mg/Kg		95	70 - 130	3	20	
Xylenes, Total	0.100	0.1163		mg/Kg		116	70 - 130	3	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	98		70 - 130

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-210567/7**

**Matrix: Water**

**Analysis Batch: 210567**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<2.66		25.0	2.66	ug/L			12/02/14 14:17	1
Benzene	<0.200		1.00	0.200	ug/L			12/02/14 14:17	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-210567/7

Matrix: Water

Analysis Batch: 210567

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromochloromethane	<0.150		1.00	0.150	ug/L			12/02/14 14:17	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			12/02/14 14:17	1
Bromoform	<0.290		1.00	0.290	ug/L			12/02/14 14:17	1
Bromomethane	<0.350		1.00	0.350	ug/L			12/02/14 14:17	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			12/02/14 14:17	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			12/02/14 14:17	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			12/02/14 14:17	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 14:17	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			12/02/14 14:17	1
Chloroethane	<0.360		1.00	0.360	ug/L			12/02/14 14:17	1
Chloroform	<0.230		1.00	0.230	ug/L			12/02/14 14:17	1
Chloromethane	<0.360		1.00	0.360	ug/L			12/02/14 14:17	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			12/02/14 14:17	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 14:17	1
Cyclohexane	<0.220		5.00	0.220	ug/L			12/02/14 14:17	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			12/02/14 14:17	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			12/02/14 14:17	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			12/02/14 14:17	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			12/02/14 14:17	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			12/02/14 14:17	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			12/02/14 14:17	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			12/02/14 14:17	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			12/02/14 14:17	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			12/02/14 14:17	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			12/02/14 14:17	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			12/02/14 14:17	1
2-Hexanone	<1.28		10.0	1.28	ug/L			12/02/14 14:17	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			12/02/14 14:17	1
Methyl acetate	<0.720		10.0	0.720	ug/L			12/02/14 14:17	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			12/02/14 14:17	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			12/02/14 14:17	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			12/02/14 14:17	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			12/02/14 14:17	1
Styrene	<0.280		1.00	0.280	ug/L			12/02/14 14:17	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			12/02/14 14:17	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			12/02/14 14:17	1
Toluene	<0.170		1.00	0.170	ug/L			12/02/14 14:17	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			12/02/14 14:17	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			12/02/14 14:17	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			12/02/14 14:17	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			12/02/14 14:17	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 14:17	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			12/02/14 14:17	1
Trichloroethene	<0.200		1.00	0.200	ug/L			12/02/14 14:17	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			12/02/14 14:17	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			12/02/14 14:17	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			12/02/14 14:17	1
Xylenes, Total	<0.380		2.00	0.380	ug/L			12/02/14 14:17	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-210567/7**

**Matrix: Water**

**Analysis Batch: 210567**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

<i>Surrogate</i>	<i>MB</i> <i>%Recovery</i>	<i>MB</i> <i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene (Surr)	109		70 - 130		12/02/14 14:17	1
Dibromofluoromethane (Surr)	92		70 - 130		12/02/14 14:17	1
1,2-Dichloroethane-d4 (Surr)	85		70 - 130		12/02/14 14:17	1
Toluene-d8 (Surr)	99		70 - 130		12/02/14 14:17	1

**Lab Sample ID: LCS 490-210567/3**

**Matrix: Water**

**Analysis Batch: 210567**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

<i>Analyte</i>	<i>Spike</i> <i>Added</i>	<i>LCS</i> <i>Result</i>	<i>LCS</i> <i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i> <i>Limits</i>
Acetone	100	84.56		ug/L		85	54 - 145
Benzene	20.0	20.56		ug/L		103	80 - 121
Bromochloromethane	20.0	17.63		ug/L		88	78 - 129
Bromodichloromethane	20.0	20.48		ug/L		102	75 - 129
Bromoform	20.0	17.95		ug/L		90	46 - 145
Bromomethane	20.0	11.87		ug/L		59	41 - 150
2-Butanone (MEK)	100	84.38		ug/L		84	62 - 133
Carbon disulfide	20.0	20.28		ug/L		101	77 - 126
Carbon tetrachloride	20.0	17.20		ug/L		86	64 - 147
Chlorobenzene	20.0	20.01		ug/L		100	80 - 120
Chlorodibromomethane	20.0	17.97		ug/L		90	69 - 133
Chloroethane	20.0	17.68		ug/L		88	72 - 120
Chloroform	20.0	18.17		ug/L		91	73 - 129
Chloromethane	20.0	13.99		ug/L		70	12 - 150
cis-1,2-Dichloroethene	20.0	19.50		ug/L		97	76 - 125
cis-1,3-Dichloropropene	20.0	19.64		ug/L		98	74 - 140
Cyclohexane	20.0	19.91		ug/L		100	73 - 122
1,2-Dibromo-3-Chloropropane	20.0	16.73		ug/L		84	54 - 125
1,2-Dibromoethane (EDB)	20.0	20.52		ug/L		103	80 - 129
1,2-Dichlorobenzene	20.0	21.51		ug/L		108	80 - 121
1,3-Dichlorobenzene	20.0	20.95		ug/L		105	80 - 122
1,4-Dichlorobenzene	20.0	20.17		ug/L		101	80 - 120
Dichlorodifluoromethane	20.0	19.04		ug/L		95	37 - 127
1,1-Dichloroethane	20.0	20.66		ug/L		103	78 - 125
1,2-Dichloroethane	20.0	17.75		ug/L		89	77 - 121
1,1-Dichloroethene	20.0	21.11		ug/L		106	79 - 124
1,2-Dichloropropane	20.0	22.47		ug/L		112	75 - 120
Ethylbenzene	20.0	20.32		ug/L		102	80 - 130
2-Hexanone	100	86.46		ug/L		86	60 - 142
Isopropylbenzene	20.0	18.96		ug/L		95	80 - 141
Methyl acetate	100	113.7		ug/L		114	64 - 150
Methylcyclohexane	20.0	18.69		ug/L		93	71 - 129
Methylene Chloride	20.0	19.66		ug/L		98	79 - 123
4-Methyl-2-pentanone (MIBK)	100	93.74		ug/L		94	60 - 137
Methyl tert-butyl ether	20.0	17.36		ug/L		87	72 - 133
Styrene	20.0	19.60		ug/L		98	80 - 127
1,1,1,2-Tetrachloroethane	20.0	21.62		ug/L		108	69 - 131
Tetrachloroethene	20.0	20.75		ug/L		104	80 - 126

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-210567/3**

**Matrix: Water**

**Analysis Batch: 210567**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	20.0	20.18		ug/L		101	80 - 126
trans-1,2-Dichloroethene	20.0	20.97		ug/L		105	79 - 126
trans-1,3-Dichloropropene	20.0	17.81		ug/L		89	63 - 134
1,2,3-Trichlorobenzene	20.0	22.96		ug/L		115	62 - 133
1,2,4-Trichlorobenzene	20.0	21.19		ug/L		106	63 - 133
1,1,1-Trichloroethane	20.0	16.91		ug/L		85	78 - 135
1,1,2-Trichloroethane	20.0	20.95		ug/L		105	80 - 124
Trichloroethene	20.0	19.34		ug/L		97	80 - 123
Trichlorofluoromethane	20.0	17.35		ug/L		87	65 - 124
1,1,2-Trichloro-1,2,2-trichloroethane	20.0	20.15		ug/L		101	77 - 129
Vinyl chloride	20.0	21.33		ug/L		107	68 - 120
Xylenes, Total	40.0	38.71		ug/L		97	80 - 132

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		70 - 130
Dibromofluoromethane (Surr)	92		70 - 130
1,2-Dichloroethane-d4 (Surr)	85		70 - 130
Toluene-d8 (Surr)	100		70 - 130

**Lab Sample ID: LCSD 490-210567/4**

**Matrix: Water**

**Analysis Batch: 210567**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD
									Limit
Acetone	100	89.52		ug/L		90	54 - 145	6	21
Benzene	20.0	21.43		ug/L		107	80 - 121	4	17
Bromochloromethane	20.0	18.22		ug/L		91	78 - 129	3	17
Bromodichloromethane	20.0	21.25		ug/L		106	75 - 129	4	18
Bromoform	20.0	18.75		ug/L		94	46 - 145	4	16
Bromomethane	20.0	12.00		ug/L		60	41 - 150	1	50
2-Butanone (MEK)	100	91.35		ug/L		91	62 - 133	8	19
Carbon disulfide	20.0	20.78		ug/L		104	77 - 126	2	21
Carbon tetrachloride	20.0	18.22		ug/L		91	64 - 147	6	19
Chlorobenzene	20.0	20.95		ug/L		105	80 - 120	5	14
Chlorodibromomethane	20.0	18.27		ug/L		91	69 - 133	2	15
Chloroethane	20.0	18.50		ug/L		93	72 - 120	5	20
Chloroform	20.0	18.70		ug/L		93	73 - 129	3	18
Chloromethane	20.0	14.40		ug/L		72	12 - 150	3	31
cis-1,2-Dichloroethene	20.0	20.30		ug/L		101	76 - 125	4	17
cis-1,3-Dichloropropene	20.0	20.39		ug/L		102	74 - 140	4	15
Cyclohexane	20.0	21.50		ug/L		107	73 - 122	8	16
1,2-Dibromo-3-Chloropropane	20.0	17.70		ug/L		88	54 - 125	6	24
1,2-Dibromoethane (EDB)	20.0	20.63		ug/L		103	80 - 129	0	15
1,2-Dichlorobenzene	20.0	22.73		ug/L		114	80 - 121	6	15
1,3-Dichlorobenzene	20.0	21.77		ug/L		109	80 - 122	4	15
1,4-Dichlorobenzene	20.0	21.33		ug/L		107	80 - 120	6	15
Dichlorodifluoromethane	20.0	19.33		ug/L		97	37 - 127	1	18

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-210567/4**

**Matrix: Water**

**Analysis Batch: 210567**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	20.0	21.15		ug/L		106	78 - 125	2	17
1,2-Dichloroethane	20.0	18.42		ug/L		92	77 - 121	4	17
1,1-Dichloroethene	20.0	21.74		ug/L		109	79 - 124	3	17
1,2-Dichloropropane	20.0	23.32		ug/L		117	75 - 120	4	17
Ethylbenzene	20.0	21.04		ug/L		105	80 - 130	3	15
2-Hexanone	100	95.81		ug/L		96	60 - 142	10	15
Isopropylbenzene	20.0	19.87		ug/L		99	80 - 141	5	16
Methyl acetate	100	119.4		ug/L		119	64 - 150	5	31
Methylcyclohexane	20.0	20.30		ug/L		101	71 - 129	8	19
Methylene Chloride	20.0	20.16		ug/L		101	79 - 123	3	17
4-Methyl-2-pentanone (MIBK)	100	103.2		ug/L		103	60 - 137	10	17
Methyl tert-butyl ether	20.0	18.04		ug/L		90	72 - 133	4	16
Styrene	20.0	20.18		ug/L		101	80 - 127	3	24
1,1,1,2-Tetrachloroethane	20.0	22.34		ug/L		112	69 - 131	3	20
Tetrachloroethene	20.0	21.46		ug/L		107	80 - 126	3	16
Toluene	20.0	20.94		ug/L		105	80 - 126	4	15
trans-1,2-Dichloroethene	20.0	21.89		ug/L		109	79 - 126	4	16
trans-1,3-Dichloropropene	20.0	18.22		ug/L		91	63 - 134	2	14
1,2,3-Trichlorobenzene	20.0	23.92		ug/L		120	62 - 133	4	25
1,2,4-Trichlorobenzene	20.0	21.95		ug/L		110	63 - 133	4	19
1,1,1-Trichloroethane	20.0	17.74		ug/L		89	78 - 135	5	17
1,1,2-Trichloroethane	20.0	20.73		ug/L		104	80 - 124	1	15
Trichloroethene	20.0	19.85		ug/L		99	80 - 123	3	17
Trichlorofluoromethane	20.0	18.29		ug/L		91	65 - 124	5	18
1,1,2-Trichloro-1,1,2-trichloroethane	20.0	21.35		ug/L		107	77 - 129	6	18
Vinyl chloride	20.0	22.91		ug/L		115	68 - 120	7	17
Xylenes, Total	40.0	40.32		ug/L		101	80 - 132	4	15

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130
1,2-Dichloroethane-d4 (Surr)	90		70 - 130
Toluene-d8 (Surr)	98		70 - 130

**Lab Sample ID: 490-67234-B-1 MS**

**Matrix: Water**

**Analysis Batch: 210567**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<2.66		250	192.0		ug/L		77	45 - 141
Benzene	0.211	J	50.0	48.40		ug/L		96	75 - 133
Bromochloromethane	<0.150		50.0	38.98		ug/L		78	67 - 139
Bromodichloromethane	<0.170		50.0	48.40		ug/L		97	70 - 140
Bromoform	<0.290		50.0	42.22		ug/L		84	42 - 147
Bromomethane	<0.350		50.0	28.89		ug/L		58	16 - 163
2-Butanone (MEK)	<2.64		250	196.6		ug/L		79	50 - 138
Carbon disulfide	<0.220		50.0	48.54		ug/L		97	48 - 152

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-67234-B-1 MS**

**Client Sample ID: Matrix Spike**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 210567**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Carbon tetrachloride	<0.180		50.0	42.56		ug/L		85	62 - 164
Chlorobenzene	<0.180		50.0	45.77		ug/L		92	80 - 129
Chlorodibromomethane	<0.250		50.0	41.53		ug/L		83	66 - 140
Chloroethane	<0.360		50.0	43.10		ug/L		86	58 - 137
Chloroform	<0.230		50.0	41.58		ug/L		83	66 - 138
Chloromethane	<0.360		50.0	39.94		ug/L		80	10 - 169
cis-1,2-Dichloroethene	75.3		50.0	120.3		ug/L		90	68 - 138
cis-1,3-Dichloropropene	<0.170		50.0	46.51		ug/L		93	71 - 141
Cyclohexane	1.22	J	50.0	49.36		ug/L		96	58 - 144
1,2-Dibromo-3-Chloropropane	<0.940		50.0	38.03		ug/L		76	52 - 126
1,2-Dibromoethane (EDB)	<0.210		50.0	45.22		ug/L		90	75 - 137
1,2-Dichlorobenzene	<0.190		50.0	47.39		ug/L		95	79 - 128
1,3-Dichlorobenzene	<0.180		50.0	46.25		ug/L		92	77 - 131
1,4-Dichlorobenzene	<0.170		50.0	45.37		ug/L		91	78 - 126
Dichlorodifluoromethane	<0.170		50.0	49.68		ug/L		99	40 - 127
1,1-Dichloroethane	6.02		50.0	54.11		ug/L		96	71 - 139
1,2-Dichloroethane	1.32		50.0	41.74		ug/L		81	64 - 136
1,1-Dichloroethene	23.6		50.0	73.80		ug/L		100	70 - 142
1,2-Dichloropropane	<0.250		50.0	51.92		ug/L		104	67 - 131
Ethylbenzene	<0.190		50.0	46.38		ug/L		93	79 - 139
2-Hexanone	<1.28		250	216.6		ug/L		87	50 - 150
Isopropylbenzene	<0.330		50.0	44.37		ug/L		89	80 - 153
Methyl acetate	<0.720		250	244.0		ug/L		98	30 - 165
Methylcyclohexane	1.73	J	50.0	48.01		ug/L		93	59 - 151
Methylene Chloride	<0.220		50.0	45.13		ug/L		90	64 - 139
4-Methyl-2-pentanone (MIBK)	<0.810		250	233.8		ug/L		94	50 - 147
Methyl tert-butyl ether	<0.170		50.0	38.45		ug/L		77	66 - 141
Styrene	<0.280		50.0	45.21		ug/L		90	61 - 148
1,1,1,2-Tetrachloroethane	<0.190		50.0	47.87		ug/L		96	56 - 143
Tetrachloroethene	24.0		50.0	67.10		ug/L		86	72 - 145
Toluene	<0.170		50.0	46.28		ug/L		93	75 - 136
trans-1,2-Dichloroethene	1.27		50.0	50.70		ug/L		99	66 - 143
trans-1,3-Dichloropropene	<0.170		50.0	41.61		ug/L		83	59 - 135
1,2,3-Trichlorobenzene	<0.230		50.0	42.07		ug/L		84	55 - 138
1,2,4-Trichlorobenzene	<0.200		50.0	41.74		ug/L		83	60 - 136
1,1,1-Trichloroethane	<0.190		50.0	41.28		ug/L		83	76 - 149
1,1,2-Trichloroethane	<0.190		50.0	44.86		ug/L		90	74 - 134
Trichloroethene	10.6		50.0	55.77		ug/L		90	73 - 144
Trichlorofluoromethane	<0.210		50.0	43.81		ug/L		88	58 - 139
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	50.45		ug/L		101	72 - 148
Vinyl chloride	28.5		50.0	82.35		ug/L		108	56 - 129
Xylenes, Total	<0.380		100	89.09		ug/L		89	74 - 141

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130
1,2-Dichloroethane-d4 (Surr)	85		70 - 130

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-67234-B-1 MS**

**Matrix: Water**

**Analysis Batch: 210567**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

<i>Surrogate</i>	<i>MS</i>	<i>MS</i>	<i>Limits</i>
<i>Toluene-d8 (Surr)</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>70 - 130</i>
	95		

**Lab Sample ID: 490-67234-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 210567**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
				Result	Qualifier						
Acetone	<2.66		250	199.0		ug/L		80	45 - 141	4	21
Benzene	0.211	J	50.0	49.34		ug/L		98	75 - 133	2	17
Bromochloromethane	<0.150		50.0	40.27		ug/L		81	67 - 139	3	17
Bromodichloromethane	<0.170		50.0	50.04		ug/L		100	70 - 140	3	18
Bromoform	<0.290		50.0	43.73		ug/L		87	42 - 147	4	16
Bromomethane	<0.350		50.0	35.22		ug/L		70	16 - 163	20	50
2-Butanone (MEK)	<2.64		250	205.2		ug/L		82	50 - 138	4	19
Carbon disulfide	<0.220		50.0	49.98		ug/L		100	48 - 152	3	21
Carbon tetrachloride	<0.180		50.0	44.31		ug/L		89	62 - 164	4	19
Chlorobenzene	<0.180		50.0	47.06		ug/L		94	80 - 129	3	14
Chlorodibromomethane	<0.250		50.0	43.01		ug/L		86	66 - 140	3	15
Chloroethane	<0.360		50.0	43.13		ug/L		86	58 - 137	0	20
Chloroform	<0.230		50.0	42.76		ug/L		86	66 - 138	3	18
Chloromethane	<0.360		50.0	43.92		ug/L		88	10 - 169	9	31
cis-1,2-Dichloroethene	75.3		50.0	120.7		ug/L		91	68 - 138	0	17
cis-1,3-Dichloropropene	<0.170		50.0	46.88		ug/L		94	71 - 141	1	15
Cyclohexane	1.22	J	50.0	51.12		ug/L		100	58 - 144	3	16
1,2-Dibromo-3-Chloropropane	<0.940		50.0	41.20		ug/L		82	52 - 126	8	24
1,2-Dibromoethane (EDB)	<0.210		50.0	47.25		ug/L		94	75 - 137	4	15
1,2-Dichlorobenzene	<0.190		50.0	50.02		ug/L		100	79 - 128	5	15
1,3-Dichlorobenzene	<0.180		50.0	48.16		ug/L		96	77 - 131	4	15
1,4-Dichlorobenzene	<0.170		50.0	46.09		ug/L		92	78 - 126	2	15
Dichlorodifluoromethane	<0.170		50.0	51.30		ug/L		103	40 - 127	3	18
1,1-Dichloroethane	6.02		50.0	55.07		ug/L		98	71 - 139	2	17
1,2-Dichloroethane	1.32		50.0	42.97		ug/L		83	64 - 136	3	17
1,1-Dichloroethene	23.6		50.0	73.66		ug/L		100	70 - 142	0	17
1,2-Dichloropropane	<0.250		50.0	53.46		ug/L		107	67 - 131	3	17
Ethylbenzene	<0.190		50.0	47.90		ug/L		96	79 - 139	3	15
2-Hexanone	<1.28		250	223.1		ug/L		89	50 - 150	3	15
Isopropylbenzene	<0.330		50.0	46.49		ug/L		93	80 - 153	5	16
Methyl acetate	<0.720		250	254.8		ug/L		102	30 - 165	4	31
Methylcyclohexane	1.73	J	50.0	49.26		ug/L		95	59 - 151	3	19
Methylene Chloride	<0.220		50.0	47.13		ug/L		94	64 - 139	4	17
4-Methyl-2-pentanone (MIBK)	<0.810		250	237.9		ug/L		95	50 - 147	2	17
Methyl tert-butyl ether	<0.170		50.0	40.97		ug/L		82	66 - 141	6	16
Styrene	<0.280		50.0	46.61		ug/L		93	61 - 148	3	24
1,1,1,2-Tetrachloroethane	<0.190		50.0	49.01		ug/L		98	56 - 143	2	20
Tetrachloroethene	24.0		50.0	74.32		ug/L		101	72 - 145	10	16
Toluene	<0.170		50.0	47.48		ug/L		95	75 - 136	3	15
trans-1,2-Dichloroethene	1.27		50.0	52.18		ug/L		102	66 - 143	3	16
trans-1,3-Dichloropropene	<0.170		50.0	42.75		ug/L		86	59 - 135	3	14

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-67234-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 210567**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,2,3-Trichlorobenzene	<0.230		50.0	52.28		ug/L		105	55 - 138	22	25
1,2,4-Trichlorobenzene	<0.200		50.0	50.69		ug/L		101	60 - 136	19	19
1,1,1-Trichloroethane	<0.190		50.0	42.39		ug/L		85	76 - 149	3	17
1,1,2-Trichloroethane	<0.190		50.0	48.18		ug/L		96	74 - 134	7	15
Trichloroethene	10.6		50.0	57.84		ug/L		94	73 - 144	4	17
Trichlorofluoromethane	<0.210		50.0	45.02		ug/L		90	58 - 139	3	18
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	50.66		ug/L		101	72 - 148	0	18
Vinyl chloride	28.5		50.0	84.15		ug/L		111	56 - 129	2	17
Xylenes, Total	<0.380		100	92.40		ug/L		92	74 - 141	4	15
<b>Surrogate</b>	<b>%Recovery</b>	<b>MSD</b>	<b>MSD</b>	<b>Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	103				70 - 130						
Dibromofluoromethane (Surr)	90				70 - 130						
1,2-Dichloroethane-d4 (Surr)	85				70 - 130						
Toluene-d8 (Surr)	96				70 - 130						

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-208965/1-A**

**Matrix: Solid**

**Analysis Batch: 209301**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 208965**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0100		0.0670	0.0100	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Acenaphthylene	<0.00900		0.0670	0.00900	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Acetophenone	<0.0700		0.333	0.0700	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Anthracene	<0.00900		0.0670	0.00900	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Atrazine	<0.167		0.333	0.167	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Benzaldehyde	<0.286		1.67	0.286	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Benzo[a]anthracene	<0.0150		0.0670	0.0150	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Benzo[a]pyrene	<0.0120		0.0670	0.0120	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Benzo[b]fluoranthene	<0.0120		0.0670	0.0120	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Benzo[g,h,i]perylene	<0.00900		0.0670	0.00900	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Benzo[k]fluoranthene	<0.0140		0.0670	0.0140	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Biphenyl	<0.104		0.333	0.104	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Bis(2-chloroethoxy)methane	<0.0120		0.333	0.0120	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Bis(2-chloroethyl)ether	<0.0200		0.333	0.0200	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
bis(2-chloroisopropyl) ether	<0.134		0.333	0.134	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Bis(2-ethylhexyl) phthalate	<0.0130		0.333	0.0130	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
4-Bromophenyl phenyl ether	<0.0170		0.333	0.0170	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Butyl benzyl phthalate	<0.0160		0.333	0.0160	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Caprolactam	<0.108		0.333	0.108	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Carbazole	<0.00700		0.333	0.00700	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
4-Chloroaniline	<0.166		0.333	0.166	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
4-Chloro-3-methylphenol	<0.0160		0.333	0.0160	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2-Chloronaphthalene	<0.0170		0.333	0.0170	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2-Chlorophenol	<0.0150		0.333	0.0150	mg/Kg		11/25/14 10:45	11/26/14 16:15	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-208965/1-A**  
**Matrix: Solid**  
**Analysis Batch: 209301**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 208965**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	<0.0240		0.333	0.0240	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Chrysene	<0.00900		0.0670	0.00900	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Dibenz(a,h)anthracene	<0.00700		0.0670	0.00700	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Dibenzofuran	<0.0130		0.333	0.0130	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
3,3'-Dichlorobenzidine	<0.133		0.667	0.133	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2,4-Dichlorophenol	<0.0170		0.333	0.0170	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Diethyl phthalate	<0.0140		0.333	0.0140	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Dimethyl phthalate	<0.00800		1.67	0.00800	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Di-n-butyl phthalate	<0.0130		0.333	0.0130	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
4,6-Dinitro-2-methylphenol	<0.103		0.333	0.103	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2,4-Dinitrophenol	<0.110		0.333	0.110	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2,4-Dinitrotoluene	<0.00900		0.333	0.00900	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2,6-Dinitrotoluene	<0.0310		0.333	0.0310	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Di-n-octyl phthalate	<0.0130		0.333	0.0130	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Fluoranthene	<0.00900		0.0670	0.00900	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Fluorene	<0.0120		0.0670	0.0120	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Hexachlorobenzene	<0.0290		0.333	0.0290	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Hexachlorobutadiene	<0.0700		0.333	0.0700	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Hexachlorocyclopentadiene	<0.0160		0.333	0.0160	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Hexachloroethane	<0.0200		0.333	0.0200	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Indeno[1,2,3-cd]pyrene	<0.0100		0.0670	0.0100	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Isophorone	<0.0590		0.333	0.0590	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2-Methylnaphthalene	<0.0160		0.0670	0.0160	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2-Methylphenol	<0.0930		0.333	0.0930	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
3 & 4 Methylphenol	<0.0200		0.333	0.0200	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Naphthalene	<0.00900		0.0670	0.00900	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2-Nitroaniline	<0.0180		0.833	0.0180	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
3-Nitroaniline	<0.148		0.833	0.148	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
4-Nitroaniline	<0.0300		0.833	0.0300	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Nitrobenzene	<0.0170		0.333	0.0170	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2-Nitrophenol	<0.0130		0.333	0.0130	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
4-Nitrophenol	<0.0150		0.333	0.0150	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
N-Nitrosodi-n-propylamine	<0.0210		0.333	0.0210	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		0.333	0.0160	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Pentachlorophenol	<0.125		0.833	0.125	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Phenanthrene	<0.00900		0.0670	0.00900	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Phenol	<0.0140		0.333	0.0140	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
Pyrene	<0.0120		0.0670	0.0120	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	0.258	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2,3,4,6-Tetrachlorophenol	<0.169		0.333	0.169	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2,4,5-Trichlorophenol	<0.0170		0.833	0.0170	mg/Kg		11/25/14 10:45	11/26/14 16:15	1
2,4,6-Trichlorophenol	<0.0250		0.333	0.0250	mg/Kg		11/25/14 10:45	11/26/14 16:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		29 - 120	11/25/14 10:45	11/26/14 16:15	1
2-Fluorophenol (Surr)	78		10 - 120	11/25/14 10:45	11/26/14 16:15	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-208965/1-A**  
**Matrix: Solid**  
**Analysis Batch: 209301**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 208965**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	89		27 - 120	11/25/14 10:45	11/26/14 16:15	1
Phenol-d5 (Surr)	82		10 - 120	11/25/14 10:45	11/26/14 16:15	1
Terphenyl-d14 (Surr)	105		13 - 120	11/25/14 10:45	11/26/14 16:15	1
2,4,6-Tribromophenol (Surr)	82		10 - 120	11/25/14 10:45	11/26/14 16:15	1

**Lab Sample ID: LCS 490-208965/2-A**  
**Matrix: Solid**  
**Analysis Batch: 209301**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 208965**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Acenaphthene	1.67	1.257		mg/Kg		75	36 - 120
Acenaphthylene	1.67	1.303		mg/Kg		78	38 - 120
Acetophenone	1.67	1.259		mg/Kg		76	30 - 120
Anthracene	1.67	1.322		mg/Kg		79	46 - 124
Atrazine	1.67	1.451		mg/Kg		87	41 - 120
Benzaldehyde	1.67	<0.286	*	mg/Kg		9	10 - 150
Benzo[a]anthracene	1.67	1.396		mg/Kg		84	45 - 120
Benzo[a]pyrene	1.67	1.279		mg/Kg		77	45 - 120
Benzo[b]fluoranthene	1.67	1.306		mg/Kg		78	42 - 120
Benzo[g,h,i]perylene	1.67	1.246		mg/Kg		75	38 - 120
Benzo[k]fluoranthene	1.67	1.305		mg/Kg		78	42 - 120
Biphenyl	1.67	1.275		mg/Kg		77	15 - 120
Bis(2-chloroethoxy)methane	1.67	1.266		mg/Kg		76	32 - 120
Bis(2-chloroethyl)ether	1.67	1.161		mg/Kg		70	31 - 120
bis (2-chloroisopropyl) ether	1.67	1.109		mg/Kg		67	32 - 120
Bis(2-ethylhexyl) phthalate	1.67	1.388		mg/Kg		83	43 - 120
4-Bromophenyl phenyl ether	1.67	1.418		mg/Kg		85	40 - 120
Butyl benzyl phthalate	1.67	1.469		mg/Kg		88	43 - 133
Caprolactam	1.67	1.208		mg/Kg		72	18 - 138
Carbazole	1.67	1.321		mg/Kg		79	44 - 120
4-Chloroaniline	1.67	1.354		mg/Kg		81	35 - 120
4-Chloro-3-methylphenol	1.67	1.450		mg/Kg		87	38 - 120
2-Chloronaphthalene	1.67	1.193		mg/Kg		72	34 - 120
2-Chlorophenol	1.67	1.236		mg/Kg		74	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.380		mg/Kg		83	42 - 120
Chrysene	1.67	1.273		mg/Kg		76	43 - 120
Dibenz(a,h)anthracene	1.67	1.291		mg/Kg		77	32 - 128
Dibenzofuran	1.67	1.244		mg/Kg		75	41 - 120
3,3'-Dichlorobenzidine	1.67	1.246		mg/Kg		75	39 - 120
2,4-Dichlorophenol	1.67	1.247		mg/Kg		75	32 - 120
Diethyl phthalate	1.67	1.349		mg/Kg		81	41 - 122
2,4-Dimethylphenol	1.67	1.334		mg/Kg		80	32 - 120
Dimethyl phthalate	1.67	1.344	J	mg/Kg		81	55 - 120
Di-n-butyl phthalate	1.67	1.337		mg/Kg		80	46 - 127
4,6-Dinitro-2-methylphenol	3.33	2.459		mg/Kg		74	27 - 134
2,4-Dinitrophenol	3.33	1.966		mg/Kg		59	10 - 142
2,4-Dinitrotoluene	1.67	1.272		mg/Kg		76	43 - 120
2,6-Dinitrotoluene	1.67	1.328		mg/Kg		80	43 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-208965/2-A**  
**Matrix: Solid**  
**Analysis Batch: 209301**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 208965**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Di-n-octyl phthalate	1.67	1.436		mg/Kg		86	40 - 130
Fluoranthene	1.67	1.422		mg/Kg		85	46 - 120
Fluorene	1.67	1.355		mg/Kg		81	42 - 120
Hexachlorobenzene	1.67	1.342		mg/Kg		81	44 - 120
Hexachlorobutadiene	1.67	1.377		mg/Kg		83	31 - 120
Hexachlorocyclopentadiene	1.67	0.9956		mg/Kg		60	24 - 120
Hexachloroethane	1.67	1.204		mg/Kg		72	33 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.260		mg/Kg		76	41 - 121
Isophorone	1.67	1.364		mg/Kg		82	33 - 120
2-Methylnaphthalene	1.67	1.255		mg/Kg		75	28 - 120
2-Methylphenol	1.67	1.310		mg/Kg		79	36 - 120
3 & 4 Methylphenol	1.67	1.278		mg/Kg		77	37 - 120
Naphthalene	1.67	1.204		mg/Kg		72	32 - 120
2-Nitroaniline	1.67	1.307		mg/Kg		78	40 - 120
3-Nitroaniline	1.67	1.252		mg/Kg		75	42 - 120
4-Nitroaniline	1.67	1.259		mg/Kg		76	43 - 120
Nitrobenzene	1.67	1.336		mg/Kg		80	26 - 120
2-Nitrophenol	1.67	1.377		mg/Kg		83	29 - 120
4-Nitrophenol	3.33	2.522		mg/Kg		76	32 - 136
N-Nitrosodi-n-propylamine	1.67	1.336		mg/Kg		80	35 - 120
n-Nitrosodiphenylamine(as diphenylamine)	1.43	1.284		mg/Kg		90	52 - 140
Pentachlorophenol	3.33	2.246		mg/Kg		67	44 - 134
Phenanthrene	1.67	1.247		mg/Kg		75	45 - 120
Phenol	1.67	1.278		mg/Kg		77	30 - 120
Pyrene	1.67	1.284		mg/Kg		77	43 - 120
1,2,4,5-Tetrachlorobenzene	1.67	1.371	J	mg/Kg		82	41 - 120
2,3,4,6-Tetrachlorophenol	1.67	1.360		mg/Kg		82	44 - 120
2,4,5-Trichlorophenol	1.67	1.365		mg/Kg		82	39 - 120
2,4,6-Trichlorophenol	1.67	1.308		mg/Kg		79	39 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	73		29 - 120
2-Fluorophenol (Surr)	71		10 - 120
Nitrobenzene-d5 (Surr)	78		27 - 120
Phenol-d5 (Surr)	76		10 - 120
Terphenyl-d14 (Surr)	81		13 - 120
2,4,6-Tribromophenol (Surr)	78		10 - 120

**Lab Sample ID: 490-66958-E-1-B MS**  
**Matrix: Solid**  
**Analysis Batch: 209301**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 208965**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Acenaphthene	<0.00979		1.95	1.611		mg/Kg	☼	82	19 - 120
Acenaphthylene	<0.00881		1.95	1.662		mg/Kg	☼	85	25 - 120
Acetophenone	<0.0685		1.95	1.504		mg/Kg	☼	77	10 - 200
Anthracene	<0.00881		1.95	1.668		mg/Kg	☼	85	28 - 125

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-66958-E-1-B MS**

**Matrix: Solid**

**Analysis Batch: 209301**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 208965**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Atrazine	<0.163		1.95	1.837		mg/Kg	☼	94	10 - 200
Benzaldehyde	<0.280	*	1.95	1.604	J	mg/Kg	☼	82	10 - 200
Benzo[a]anthracene	<0.0147		1.95	1.818		mg/Kg	☼	93	23 - 120
Benzo[a]pyrene	<0.0117		1.95	1.607		mg/Kg	☼	82	15 - 128
Benzo[b]fluoranthene	<0.0117		1.95	1.744		mg/Kg	☼	89	12 - 133
Benzo[g,h,i]perylene	<0.00881		1.95	1.477		mg/Kg	☼	76	22 - 120
Benzo[k]fluoranthene	<0.0137		1.95	1.576		mg/Kg	☼	81	28 - 120
Biphenyl	<0.102		1.95	1.627		mg/Kg	☼	83	10 - 200
Bis(2-chloroethoxy)methane	<0.0117		1.95	1.513		mg/Kg	☼	77	24 - 120
Bis(2-chloroethyl)ether	<0.0196		1.95	1.404		mg/Kg	☼	72	22 - 120
bis (2-chloroisopropyl) ether	<0.131		1.95	1.394		mg/Kg	☼	71	20 - 120
Bis(2-ethylhexyl) phthalate	0.0994	J	1.95	1.722		mg/Kg	☼	83	26 - 120
4-Bromophenyl phenyl ether	<0.0166		1.95	1.801		mg/Kg	☼	92	31 - 120
Butyl benzyl phthalate	<0.0157		1.95	1.862		mg/Kg	☼	95	24 - 133
Caprolactam	<0.106		1.95	1.559		mg/Kg	☼	80	10 - 199
Carbazole	<0.00685		1.95	1.658		mg/Kg	☼	85	25 - 123
4-Chloroaniline	<0.163		1.95	1.646		mg/Kg	☼	84	26 - 120
4-Chloro-3-methylphenol	<0.0157		1.95	1.837		mg/Kg	☼	94	21 - 120
2-Chloronaphthalene	<0.0166		1.95	1.540		mg/Kg	☼	79	24 - 120
2-Chlorophenol	<0.0147		1.95	1.491		mg/Kg	☼	76	25 - 120
4-Chlorophenyl phenyl ether	<0.0235		1.95	1.779		mg/Kg	☼	91	26 - 120
Chrysene	<0.00881		1.95	1.647		mg/Kg	☼	84	20 - 120
Dibenz(a,h)anthracene	<0.00685		1.95	1.554		mg/Kg	☼	80	12 - 128
Dibenzofuran	<0.0127		1.95	1.611		mg/Kg	☼	83	21 - 120
3,3'-Dichlorobenzidine	<0.130		1.95	1.502		mg/Kg	☼	77	10 - 120
2,4-Dichlorophenol	<0.0166		1.95	1.559		mg/Kg	☼	80	17 - 120
Diethyl phthalate	<0.0137		1.95	1.746		mg/Kg	☼	89	29 - 122
2,4-Dimethylphenol	<0.188		1.95	1.670		mg/Kg	☼	86	17 - 120
Dimethyl phthalate	<0.00783		1.95	1.732	J	mg/Kg	☼	89	30 - 120
Di-n-butyl phthalate	0.0366	J	1.95	1.722		mg/Kg	☼	86	29 - 126
4,6-Dinitro-2-methylphenol	<0.101		3.91	2.934		mg/Kg	☼	75	10 - 134
2,4-Dinitrophenol	<0.108		3.91	2.658		mg/Kg	☼	68	10 - 150
2,4-Dinitrotoluene	<0.00881		1.95	1.644		mg/Kg	☼	84	24 - 121
2,6-Dinitrotoluene	<0.0303		1.95	1.665		mg/Kg	☼	85	24 - 120
Di-n-octyl phthalate	<0.0127		1.95	1.847		mg/Kg	☼	95	27 - 130
Fluoranthene	<0.00881		1.95	1.838		mg/Kg	☼	94	10 - 143
Fluorene	<0.0117		1.95	1.767		mg/Kg	☼	90	20 - 120
Hexachlorobenzene	<0.0284		1.95	1.686		mg/Kg	☼	86	25 - 120
Hexachlorobutadiene	<0.0685		1.95	1.743		mg/Kg	☼	89	10 - 120
Hexachlorocyclopentadiene	<0.0157		1.95	1.202		mg/Kg	☼	62	10 - 120
Hexachloroethane	<0.0196		1.95	1.488		mg/Kg	☼	76	10 - 120
Indeno[1,2,3-cd]pyrene	<0.00979		1.95	1.507		mg/Kg	☼	77	22 - 121
Isophorone	<0.0578		1.95	1.666		mg/Kg	☼	85	24 - 120
2-Methylnaphthalene	<0.0157		1.95	1.584		mg/Kg	☼	81	13 - 120
2-Methylphenol	<0.0910		1.95	1.636		mg/Kg	☼	84	23 - 120
3 & 4 Methylphenol	<0.0196		1.95	1.583		mg/Kg	☼	81	19 - 120
Naphthalene	<0.00881		1.95	1.517		mg/Kg	☼	78	10 - 120
2-Nitroaniline	<0.0176		1.95	1.709		mg/Kg	☼	88	31 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-66958-E-1-B MS**

**Matrix: Solid**

**Analysis Batch: 209301**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 208965**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
3-Nitroaniline	<0.145		1.95	1.599		mg/Kg	☼	82		31 - 120
4-Nitroaniline	<0.0294		1.95	1.587		mg/Kg	☼	81		28 - 120
Nitrobenzene	<0.0166		1.95	1.612		mg/Kg	☼	83		19 - 120
2-Nitrophenol	<0.0127		1.95	1.683		mg/Kg	☼	86		23 - 120
4-Nitrophenol	<0.0147		3.91	3.373		mg/Kg	☼	86		16 - 139
N-Nitrosodi-n-propylamine	<0.0206		1.95	<0.0246	F1	mg/Kg	☼	0		24 - 120
n-Nitrosodiphenylamine(as diphenylamine)	<0.0157		1.67	1.578		mg/Kg	☼	95		26 - 150
Pentachlorophenol	<0.122		3.91	3.027		mg/Kg	☼	78		19 - 145
Phenanthrene	<0.00881		1.95	1.571		mg/Kg	☼	80		21 - 122
Phenol	0.0649	J	1.95	1.555		mg/Kg	☼	76		15 - 120
Pyrene	<0.0117		1.95	1.595		mg/Kg	☼	82		20 - 123
1,2,4,5-Tetrachlorobenzene	<0.253		1.95	1.731	J	mg/Kg	☼	89		10 - 200
2,3,4,6-Tetrachlorophenol	<0.165		1.95	1.820		mg/Kg	☼	93		10 - 200
2,4,5-Trichlorophenol	<0.0166		1.95	1.760		mg/Kg	☼	90		27 - 120
2,4,6-Trichlorophenol	<0.0245		1.95	1.725		mg/Kg	☼	88		24 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	75		29 - 120
2-Fluorophenol (Surr)	69		10 - 120
Nitrobenzene-d5 (Surr)	77		27 - 120
Phenol-d5 (Surr)	74		10 - 120
Terphenyl-d14 (Surr)	82		13 - 120
2,4,6-Tribromophenol (Surr)	82		10 - 120

**Lab Sample ID: 490-66958-E-1-C MSD**

**Matrix: Solid**

**Analysis Batch: 209301**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 208965**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acenaphthene	<0.00979		1.98	1.548		mg/Kg	☼	78		19 - 120	4	50
Acenaphthylene	<0.00881		1.98	1.611		mg/Kg	☼	81		25 - 120	3	50
Acetophenone	<0.0685		1.98	1.527		mg/Kg	☼	77		10 - 200	1	50
Anthracene	<0.00881		1.98	1.592		mg/Kg	☼	80		28 - 125	5	49
Atrazine	<0.163		1.98	1.776		mg/Kg	☼	90		10 - 200	3	50
Benzaldehyde	<0.280	*	1.98	0.8033	J F2	mg/Kg	☼	41		10 - 200	66	50
Benzo[a]anthracene	<0.0147		1.98	1.747		mg/Kg	☼	88		23 - 120	4	50
Benzo[a]pyrene	<0.0117		1.98	1.539		mg/Kg	☼	78		15 - 128	4	50
Benzo[b]fluoranthene	<0.0117		1.98	1.661		mg/Kg	☼	84		12 - 133	5	50
Benzo[g,h,i]perylene	<0.00881		1.98	1.405		mg/Kg	☼	71		22 - 120	5	50
Benzo[k]fluoranthene	<0.0137		1.98	1.592		mg/Kg	☼	80		28 - 120	1	45
Biphenyl	<0.102		1.98	1.591		mg/Kg	☼	80		10 - 200	2	50
Bis(2-chloroethoxy)methane	<0.0117		1.98	1.497		mg/Kg	☼	76		24 - 120	1	50
Bis(2-chloroethyl)ether	<0.0196		1.98	1.475		mg/Kg	☼	74		22 - 120	5	50
bis (2-chloroisopropyl) ether	<0.131		1.98	1.371		mg/Kg	☼	69		20 - 120	2	50
Bis(2-ethylhexyl) phthalate	0.0994	J	1.98	1.637		mg/Kg	☼	78		26 - 120	5	50
4-Bromophenyl phenyl ether	<0.0166		1.98	1.724		mg/Kg	☼	87		31 - 120	4	37
Butyl benzyl phthalate	<0.0157		1.98	1.772		mg/Kg	☼	89		24 - 133	5	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-66958-E-1-C MSD

Matrix: Solid

Analysis Batch: 209301

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 208965

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Caprolactam	<0.106		1.98	1.555		mg/Kg	*	78	10 - 199	0	50
Carbazole	<0.00685		1.98	1.606		mg/Kg	*	81	25 - 123	3	46
4-Chloroaniline	<0.163		1.98	1.670		mg/Kg	*	84	26 - 120	1	50
4-Chloro-3-methylphenol	<0.0157		1.98	1.818		mg/Kg	*	92	21 - 120	1	49
2-Chloronaphthalene	<0.0166		1.98	1.488		mg/Kg	*	75	24 - 120	3	50
2-Chlorophenol	<0.0147		1.98	1.496		mg/Kg	*	75	25 - 120	0	50
4-Chlorophenyl phenyl ether	<0.0235		1.98	1.687		mg/Kg	*	85	26 - 120	5	50
Chrysene	<0.00881		1.98	1.571		mg/Kg	*	79	20 - 120	5	49
Dibenz(a,h)anthracene	<0.00685		1.98	1.479		mg/Kg	*	75	12 - 128	5	50
Dibenzofuran	<0.0127		1.98	1.518		mg/Kg	*	77	21 - 120	6	50
3,3'-Dichlorobenzidine	<0.130		1.98	1.487		mg/Kg	*	75	10 - 120	1	50
2,4-Dichlorophenol	<0.0166		1.98	1.548		mg/Kg	*	78	17 - 120	1	50
Diethyl phthalate	<0.0137		1.98	1.660		mg/Kg	*	84	29 - 122	5	45
2,4-Dimethylphenol	<0.188		1.98	1.634		mg/Kg	*	82	17 - 120	2	50
Dimethyl phthalate	<0.00783		1.98	1.635	J	mg/Kg	*	83	30 - 120	6	46
Di-n-butyl phthalate	0.0366	J	1.98	1.645		mg/Kg	*	81	29 - 126	5	49
4,6-Dinitro-2-methylphenol	<0.101		3.96	2.885		mg/Kg	*	73	10 - 134	2	50
2,4-Dinitrophenol	<0.108		3.96	2.703		mg/Kg	*	68	10 - 150	2	50
2,4-Dinitrotoluene	<0.00881		1.98	1.601		mg/Kg	*	81	24 - 121	3	50
2,6-Dinitrotoluene	<0.0303		1.98	1.611		mg/Kg	*	81	24 - 120	3	50
Di-n-octyl phthalate	<0.0127		1.98	1.803		mg/Kg	*	91	27 - 130	2	50
Fluoranthene	<0.00881		1.98	1.807		mg/Kg	*	91	10 - 143	2	50
Fluorene	<0.0117		1.98	1.681		mg/Kg	*	85	20 - 120	5	50
Hexachlorobenzene	<0.0284		1.98	1.606		mg/Kg	*	81	25 - 120	5	50
Hexachlorobutadiene	<0.0685		1.98	1.726		mg/Kg	*	87	10 - 120	1	50
Hexachlorocyclopentadiene	<0.0157		1.98	1.213		mg/Kg	*	61	10 - 120	1	50
Hexachloroethane	<0.0196		1.98	1.504		mg/Kg	*	76	10 - 120	1	50
Indeno[1,2,3-cd]pyrene	<0.00979		1.98	1.447		mg/Kg	*	73	22 - 121	4	50
Isophorone	<0.0578		1.98	1.628		mg/Kg	*	82	24 - 120	2	50
2-Methylnaphthalene	<0.0157		1.98	1.561		mg/Kg	*	79	13 - 120	1	50
2-Methylphenol	<0.0910		1.98	1.599		mg/Kg	*	81	23 - 120	2	50
3 & 4 Methylphenol	<0.0196		1.98	<0.0238	F1	mg/Kg	*	0	19 - 120	NC	50
Naphthalene	<0.00881		1.98	1.513		mg/Kg	*	76	10 - 120	0	50
2-Nitroaniline	<0.0176		1.98	1.643		mg/Kg	*	83	31 - 120	4	50
3-Nitroaniline	<0.145		1.98	1.414		mg/Kg	*	71	31 - 120	12	49
4-Nitroaniline	<0.0294		1.98	1.185		mg/Kg	*	60	28 - 120	29	49
Nitrobenzene	<0.0166		1.98	1.612		mg/Kg	*	81	19 - 120	0	50
2-Nitrophenol	<0.0127		1.98	1.671		mg/Kg	*	84	23 - 120	1	50
4-Nitrophenol	<0.0147		3.96	3.342		mg/Kg	*	84	16 - 139	1	45
N-Nitrosodi-n-propylamine	<0.0206		1.98	<0.0250	F1	mg/Kg	*	0	24 - 120	NC	50
n-Nitrosodiphenylamine(as diphenylamine)	<0.0157		1.69	1.528		mg/Kg	*	90	26 - 150	3	50
Pentachlorophenol	<0.122		3.96	2.981		mg/Kg	*	75	19 - 145	2	50
Phenanthrene	<0.00881		1.98	1.506		mg/Kg	*	76	21 - 122	4	50
Phenol	0.0649	J	1.98	1.583		mg/Kg	*	77	15 - 120	2	50
Pyrene	<0.0117		1.98	1.536		mg/Kg	*	78	20 - 123	4	50
1,2,4,5-Tetrachlorobenzene	<0.253		1.98	1.739	J	mg/Kg	*	88	10 - 200	0	50
2,3,4,6-Tetrachlorophenol	<0.165		1.98	1.745		mg/Kg	*	88	10 - 200	4	50

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-66958-E-1-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 209301**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 208965**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	<0.0166		1.98	1.682		mg/Kg	*	85	27 - 120	5	50
2,4,6-Trichlorophenol	<0.0245		1.98	1.680		mg/Kg	*	85	24 - 122	3	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	69		29 - 120
2-Fluorophenol (Surr)	66		10 - 120
Nitrobenzene-d5 (Surr)	76		27 - 120
Phenol-d5 (Surr)	73		10 - 120
Terphenyl-d14 (Surr)	79		13 - 120
2,4,6-Tribromophenol (Surr)	80		10 - 120

## Method: 8081B - Organochlorine Pesticides (GC)

**Lab Sample ID: MB 490-208487/1-A**  
**Matrix: Water**  
**Analysis Batch: 212703**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 208487**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00590		0.0250	0.00590	ug/L		11/22/14 19:11	12/09/14 22:59	1
alpha-BHC	<0.0111		0.0250	0.0111	ug/L		11/22/14 19:11	12/09/14 22:59	1
beta-BHC	<0.00700		0.0250	0.00700	ug/L		11/22/14 19:11	12/09/14 22:59	1
delta-BHC	<0.00770		0.0250	0.00770	ug/L		11/22/14 19:11	12/09/14 22:59	1
gamma-BHC (Lindane)	<0.00570		0.0250	0.00570	ug/L		11/22/14 19:11	12/09/14 22:59	1
alpha-Chlordane	<0.00530		0.0250	0.00530	ug/L		11/22/14 19:11	12/09/14 22:59	1
gamma-Chlordane	<0.0180		0.0250	0.0180	ug/L		11/22/14 19:11	12/09/14 22:59	1
Chlordane (technical)	<0.183		2.00	0.183	ug/L		11/22/14 19:11	12/09/14 22:59	1
4,4'-DDD	<0.00770		0.0250	0.00770	ug/L		11/22/14 19:11	12/09/14 22:59	1
4,4'-DDE	<0.00990		0.0250	0.00990	ug/L		11/22/14 19:11	12/09/14 22:59	1
4,4'-DDT	<0.00890		0.0250	0.00890	ug/L		11/22/14 19:11	12/09/14 22:59	1
Dieldrin	<0.00570		0.0250	0.00570	ug/L		11/22/14 19:11	12/09/14 22:59	1
Endosulfan I	<0.00780		0.0250	0.00780	ug/L		11/22/14 19:11	12/09/14 22:59	1
Endosulfan II	<0.00540		0.0250	0.00540	ug/L		11/22/14 19:11	12/09/14 22:59	1
Endosulfan sulfate	<0.00650		0.0250	0.00650	ug/L		11/22/14 19:11	12/09/14 22:59	1
Endrin	<0.00660		0.0250	0.00660	ug/L		11/22/14 19:11	12/09/14 22:59	1
Endrin aldehyde	<0.00870		0.0250	0.00870	ug/L		11/22/14 19:11	12/09/14 22:59	1
Endrin ketone	<0.00650		0.0250	0.00650	ug/L		11/22/14 19:11	12/09/14 22:59	1
Heptachlor	<0.00570		0.0250	0.00570	ug/L		11/22/14 19:11	12/09/14 22:59	1
Heptachlor epoxide	<0.00700		0.0250	0.00700	ug/L		11/22/14 19:11	12/09/14 22:59	1
Methoxychlor	<0.00530		0.0250	0.00530	ug/L		11/22/14 19:11	12/09/14 22:59	1
Toxaphene	<0.0413		2.00	0.0413	ug/L		11/22/14 19:11	12/09/14 22:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	89		38 - 150	11/22/14 19:11	12/09/14 22:59	1
DCB Decachlorobiphenyl (Surr)	77		10 - 141	11/22/14 19:11	12/09/14 22:59	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 490-208487/2-A**

**Matrix: Water**

**Analysis Batch: 212703**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 208487**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.4716		ug/L		94	38 - 128
alpha-BHC	0.500	0.4719		ug/L		94	47 - 136
beta-BHC	0.500	0.4453		ug/L		89	50 - 140
delta-BHC	0.500	0.4607		ug/L		92	35 - 145
gamma-BHC (Lindane)	0.500	0.4614		ug/L		92	50 - 138
alpha-Chlordane	0.500	0.4936		ug/L		99	49 - 137
gamma-Chlordane	0.500	0.4982		ug/L		100	46 - 143
4,4'-DDD	0.500	0.4919		ug/L		98	51 - 150
4,4'-DDE	0.500	0.4861		ug/L		97	49 - 138
4,4'-DDT	0.500	0.4774		ug/L		95	33 - 150
Dieldrin	0.500	0.4878		ug/L		98	49 - 136
Endosulfan I	0.500	0.4849		ug/L		97	10 - 150
Endosulfan II	0.500	0.4828		ug/L		97	11 - 150
Endosulfan sulfate	0.500	0.4824		ug/L		96	43 - 150
Endrin	0.500	0.5163		ug/L		103	54 - 150
Endrin aldehyde	0.500	0.3463		ug/L		69	50 - 150
Endrin ketone	0.500	0.4656		ug/L		93	50 - 147
Heptachlor	0.500	0.4591		ug/L		92	43 - 146
Heptachlor epoxide	0.500	0.4726		ug/L		95	50 - 136
Methoxychlor	0.500	0.5179		ug/L		104	35 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	93		38 - 150
DCB Decachlorobiphenyl (Surr)	67		10 - 141

**Lab Sample ID: LCS 490-208487/4-A**

**Matrix: Water**

**Analysis Batch: 212703**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 208487**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlordane (technical)	5.00	4.612		ug/L		92	49 - 150
Toxaphene	10.0	8.725		ug/L		87	34 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	81		38 - 150
DCB Decachlorobiphenyl (Surr)	65		10 - 141

**Lab Sample ID: MB 490-209484/1-A**

**Matrix: Solid**

**Analysis Batch: 212364**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 209484**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000310		0.00170	0.000310	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
alpha-BHC	<0.000200		0.00170	0.000200	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
beta-BHC	<0.000200		0.00170	0.000200	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
delta-BHC	<0.000380		0.00170	0.000380	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
gamma-BHC (Lindane)	<0.000390		0.00170	0.000390	mg/Kg		11/26/14 14:42	12/09/14 00:19	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: MB 490-209484/1-A**  
**Matrix: Solid**  
**Analysis Batch: 212364**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 209484**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	<0.000430		0.00170	0.000430	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
gamma-Chlordane	<0.000790		0.00170	0.000790	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
Chlordane (technical)	<0.0363		0.0500	0.0363	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
4,4'-DDD	<0.000430		0.00170	0.000430	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
4,4'-DDE	<0.000500		0.00170	0.000500	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
4,4'-DDT	<0.000850		0.00170	0.000850	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
Dieldrin	<0.000400		0.00170	0.000400	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
Endosulfan I	<0.000470		0.00170	0.000470	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
Endosulfan II	<0.000550		0.00170	0.000550	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
Endosulfan sulfate	<0.000500		0.00170	0.000500	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
Endrin	<0.000430		0.00170	0.000430	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
Endrin aldehyde	<0.000510		0.00170	0.000510	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
Endrin ketone	<0.000590		0.00170	0.000590	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
Heptachlor	<0.000420		0.00170	0.000420	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
Heptachlor epoxide	<0.000650		0.00170	0.000650	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
Methoxychlor	<0.000490		0.00330	0.000490	mg/Kg		11/26/14 14:42	12/09/14 00:19	1
Toxaphene	<0.0422		0.0667	0.0422	mg/Kg		11/26/14 14:42	12/09/14 00:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		21 - 145	11/26/14 14:42	12/09/14 00:19	1
DCB Decachlorobiphenyl (Surr)	90		25 - 150	11/26/14 14:42	12/09/14 00:19	1

**Lab Sample ID: LCS 490-209484/2-A**  
**Matrix: Solid**  
**Analysis Batch: 212364**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 209484**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0167	0.01354		mg/Kg		81	47 - 132
alpha-BHC	0.0167	0.01273		mg/Kg		76	45 - 128
beta-BHC	0.0167	0.01215		mg/Kg		73	48 - 135
delta-BHC	0.0167	0.007378		mg/Kg		44	10 - 149
gamma-BHC (Lindane)	0.0167	0.01273		mg/Kg		76	48 - 131
alpha-Chlordane	0.0167	0.01326		mg/Kg		80	47 - 134
gamma-Chlordane	0.0167	0.01410		mg/Kg		85	48 - 145
4,4'-DDD	0.0167	0.01292		mg/Kg		77	46 - 149
4,4'-DDE	0.0167	0.01450		mg/Kg		87	48 - 139
4,4'-DDT	0.0167	0.008749		mg/Kg		52	24 - 150
Dieldrin	0.0167	0.01360		mg/Kg		82	42 - 137
Endosulfan I	0.0167	0.01432		mg/Kg		86	10 - 150
Endosulfan II	0.0167	0.01369		mg/Kg		82	12 - 150
Endosulfan sulfate	0.0167	0.009789		mg/Kg		59	36 - 148
Endrin	0.0167	0.01284		mg/Kg		77	46 - 145
Endrin aldehyde	0.0167	0.006272	*	mg/Kg		38	48 - 150
Endrin ketone	0.0167	0.01243		mg/Kg		75	43 - 150
Heptachlor	0.0167	0.01335		mg/Kg		80	45 - 140
Heptachlor epoxide	0.0167	0.01375		mg/Kg		82	47 - 133
Methoxychlor	0.0167	0.01002		mg/Kg		60	23 - 150

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 490-209484/2-A**

**Matrix: Solid**

**Analysis Batch: 212364**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 209484**

	LCS	LCS	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
Tetrachloro-m-xylene	92		21 - 145
DCB Decachlorobiphenyl (Surr)	93		25 - 150

**Lab Sample ID: LCS 490-209484/3-A**

**Matrix: Solid**

**Analysis Batch: 212364**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 209484**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Chlordane (technical)	0.167	0.1667		mg/Kg		100	50 - 150
Toxaphene	0.333	0.2347		mg/Kg		70	10 - 150

	LCS	LCS	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
Tetrachloro-m-xylene	85		21 - 145
DCB Decachlorobiphenyl (Surr)	91		25 - 150

**Lab Sample ID: 490-66921-J-1-G MS**

**Matrix: Solid**

**Analysis Batch: 212364**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 209484**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.
									Limits
Aldrin	<0.00308		0.0211	0.008914	J	mg/Kg		42	11 - 140
alpha-BHC	<0.00198		0.0211	0.008562	J	mg/Kg	✱	41	23 - 138
beta-BHC	<0.00198		0.0211	0.006413	J	mg/Kg	✱	30	12 - 179
delta-BHC	<0.00377		0.0211	<0.00481	F1	mg/Kg	✱	0	10 - 149
gamma-BHC (Lindane)	<0.00387		0.0211	0.008185	J	mg/Kg	✱	39	24 - 145
alpha-Chlordane	<0.00427		0.0211	0.009217	J	mg/Kg	✱	44	10 - 140
gamma-Chlordane	<0.00784		0.0211	<0.0100	F1	mg/Kg	✱	0	10 - 140
4,4'-DDD	<0.00427		0.0211	0.007677	J	mg/Kg	✱	36	10 - 154
4,4'-DDE	<0.00496		0.0211	0.008971	J	mg/Kg	✱	43	14 - 139
4,4'-DDT	<0.00843		0.0211	<0.0108	F1	mg/Kg	✱	0	10 - 152
Dieldrin	<0.00397		0.0211	0.009070	J	mg/Kg	✱	43	10 - 148
Endosulfan I	<0.00466		0.0211	0.009478	J	mg/Kg	✱	45	10 - 158
Endosulfan II	<0.00546		0.0211	0.009828	J	mg/Kg	✱	47	10 - 152
Endosulfan sulfate	<0.00496		0.0211	<0.00633	F1	mg/Kg	✱	0	10 - 148
Endrin	<0.00427		0.0211	0.008948	J	mg/Kg	✱	42	20 - 145
Endrin aldehyde	<0.00506	*	0.0211	<0.00646	F1	mg/Kg	✱	0	13 - 167
Endrin ketone	<0.00585		0.0211	<0.00747	F1	mg/Kg	✱	0	13 - 150
Heptachlor	<0.00417		0.0211	0.008703	J	mg/Kg	✱	41	10 - 161
Heptachlor epoxide	<0.00645		0.0211	0.01139	J	mg/Kg	✱	54	15 - 139
Methoxychlor	<0.00486		0.0211	<0.00621	F1	mg/Kg	✱	0	10 - 175

	MS	MS	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
Tetrachloro-m-xylene	51		21 - 145
DCB Decachlorobiphenyl (Surr)	43		25 - 150

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 490-66921-J-1-H MSD**

**Matrix: Solid**

**Analysis Batch: 212364**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 209484**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aldrin	<0.00308		0.0211	0.01132	J	mg/Kg	☼	54	11 - 140	24	50	
alpha-BHC	<0.00198		0.0211	0.01106	J	mg/Kg	☼	52	23 - 138	25	50	
beta-BHC	<0.00198		0.0211	0.008222	J	mg/Kg	☼	39	12 - 179	25	50	
delta-BHC	<0.00377		0.0211	<0.00481	F1	mg/Kg	☼	0	10 - 149	NC	50	
gamma-BHC (Lindane)	<0.00387		0.0211	0.01039	J	mg/Kg	☼	49	24 - 145	24	50	
alpha-Chlordane	<0.00427		0.0211	0.01058	J	mg/Kg	☼	50	10 - 140	14	50	
gamma-Chlordane	<0.00784		0.0211	0.01042	J p	mg/Kg	☼	49	10 - 140	NC	50	
4,4'-DDD	<0.00427		0.0211	0.01276	J	mg/Kg	☼	60	10 - 154	50	50	
4,4'-DDE	<0.00496		0.0211	0.01100	J	mg/Kg	☼	52	14 - 139	20	50	
4,4'-DDT	<0.00843		0.0211	<0.0108	F1	mg/Kg	☼	0	10 - 152	NC	50	
Dieldrin	<0.00397		0.0211	0.01096	J	mg/Kg	☼	52	10 - 148	19	50	
Endosulfan I	<0.00466		0.0211	0.01128	J	mg/Kg	☼	53	10 - 158	17	50	
Endosulfan II	<0.00546		0.0211	0.01208	J	mg/Kg	☼	57	10 - 152	21	50	
Endosulfan sulfate	<0.00496		0.0211	<0.00633	F1	mg/Kg	☼	0	10 - 148	NC	50	
Endrin	<0.00427		0.0211	0.01050	J	mg/Kg	☼	50	20 - 145	16	50	
Endrin aldehyde	<0.00506	*	0.0211	0.007404	J	mg/Kg	☼	35	13 - 167	NC	50	
Endrin ketone	<0.00585		0.0211	0.009223	J	mg/Kg	☼	44	13 - 150	NC	50	
Heptachlor	<0.00417		0.0211	0.009980	J	mg/Kg	☼	47	10 - 161	14	50	
Heptachlor epoxide	<0.00645		0.0211	0.01129	J	mg/Kg	☼	53	15 - 139	1	50	
Methoxychlor	<0.00486		0.0211	<0.00621	F1	mg/Kg	☼	0	10 - 175	NC	50	
		<b>MSD</b>	<b>MSD</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
Tetrachloro-m-xylene	74		21 - 145									
DCB Decachlorobiphenyl (Surr)	56		25 - 150									

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 490-208487/1-A**

**Matrix: Water**

**Analysis Batch: 209618**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 208487**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0490		0.500	0.0490	ug/L		11/22/14 19:11	11/27/14 16:21	1
PCB-1221	<0.260		0.500	0.260	ug/L		11/22/14 19:11	11/27/14 16:21	1
PCB-1232	<0.0700		0.500	0.0700	ug/L		11/22/14 19:11	11/27/14 16:21	1
PCB-1242	<0.0640		0.500	0.0640	ug/L		11/22/14 19:11	11/27/14 16:21	1
PCB-1248	<0.0690		0.500	0.0690	ug/L		11/22/14 19:11	11/27/14 16:21	1
PCB-1254	<0.00700		0.500	0.00700	ug/L		11/22/14 19:11	11/27/14 16:21	1
PCB-1260	<0.0120		0.500	0.0120	ug/L		11/22/14 19:11	11/27/14 16:21	1
		<b>MB</b>	<b>MB</b>						
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	90		10 - 150				11/22/14 19:11	11/27/14 16:21	1
Tetrachloro-m-xylene	91		10 - 150				11/22/14 19:11	11/27/14 16:21	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: LCS 490-208487/3-A**

**Matrix: Water**

**Analysis Batch: 209618**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 208487**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	5.00	4.788		ug/L		96	23 - 139
PCB-1260	5.00	4.317		ug/L		86	36 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	83		10 - 150
Tetrachloro-m-xylene	83		10 - 150

**Lab Sample ID: MB 490-209484/1-A**

**Matrix: Solid**

**Analysis Batch: 209854**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 209484**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0100		0.0333	0.0100	mg/Kg		11/26/14 14:42	11/29/14 13:25	1
PCB-1221	<0.0100		0.0333	0.0100	mg/Kg		11/26/14 14:42	11/29/14 13:25	1
PCB-1232	<0.0200		0.0333	0.0200	mg/Kg		11/26/14 14:42	11/29/14 13:25	1
PCB-1242	<0.0100		0.0333	0.0100	mg/Kg		11/26/14 14:42	11/29/14 13:25	1
PCB-1248	<0.0100		0.0333	0.0100	mg/Kg		11/26/14 14:42	11/29/14 13:25	1
PCB-1254	<0.0100		0.0333	0.0100	mg/Kg		11/26/14 14:42	11/29/14 13:25	1
PCB-1260	<0.0100		0.0333	0.0100	mg/Kg		11/26/14 14:42	11/29/14 13:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	163	X	20 - 150	11/26/14 14:42	11/29/14 13:25	1
Tetrachloro-m-xylene	139		19 - 147	11/26/14 14:42	11/29/14 13:25	1

**Lab Sample ID: LCS 490-209484/16-A**

**Matrix: Solid**

**Analysis Batch: 209854**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 209484**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.167	0.2289	*	mg/Kg		137	65 - 125
PCB-1260	0.167	0.2260		mg/Kg		136	52 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	140		20 - 150
Tetrachloro-m-xylene	119		19 - 147

**Lab Sample ID: 490-67070-A-1-C MS**

**Matrix: Solid**

**Analysis Batch: 209854**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 209484**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<0.00982	*	0.166	0.1666	p	mg/Kg	☼	100	42 - 140
PCB-1260	<0.00982		0.166	0.1379		mg/Kg	☼	83	37 - 159

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	116		20 - 150
Tetrachloro-m-xylene	68		19 - 147

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: 490-67070-A-1-D MSD**  
**Matrix: Solid**  
**Analysis Batch: 209854**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 209484**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
PCB-1016	<0.00982	*	0.164	0.2374	p F1	mg/Kg	☼	145	42 - 140	35	50	
PCB-1260	<0.00982		0.164	0.1076		mg/Kg	☼	66	37 - 159	25	50	
<b>MSD MSD</b>												
Surrogate	%Recovery	Qualifier	Limits									
DCB Decachlorobiphenyl (Surr)	90		20 - 150									
Tetrachloro-m-xylene	58		19 - 147									

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 490-211510/1-A**  
**Matrix: Water**  
**Analysis Batch: 214078**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 211510**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Antimony	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Arsenic	<0.00720		0.0100	0.00720	mg/L		12/05/14 07:19	12/14/14 15:35	1
Barium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/05/14 07:19	12/14/14 15:35	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Calcium	<0.500		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Chromium	<0.00300		0.00500	0.00300	mg/L		12/05/14 07:19	12/14/14 15:35	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Copper	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Iron	<0.0500		0.100	0.0500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Lead	<0.00200		0.00500	0.00200	mg/L		12/05/14 07:19	12/14/14 15:35	1
Magnesium	<0.500		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Manganese	<0.00500		0.0150	0.00500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Nickel	<0.00300		0.0100	0.00300	mg/L		12/05/14 07:19	12/14/14 15:35	1
Potassium	<0.500		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Selenium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Silver	0.007000		0.00500	0.00250	mg/L		12/05/14 07:19	12/14/14 15:35	1
Sodium	<0.500		1.00	0.500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Thallium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:19	12/14/14 15:35	1
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/05/14 07:19	12/14/14 15:35	1
Zinc	<0.0300		0.0500	0.0300	mg/L		12/05/14 07:19	12/14/14 15:35	1

**Lab Sample ID: LCS 490-211510/2-A**  
**Matrix: Water**  
**Analysis Batch: 214078**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 211510**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
	Added	Result	Qualifier					
Aluminum	2.50	2.652		mg/L		106	80 - 120	
Antimony	0.500	0.5284		mg/L		106	80 - 120	
Arsenic	0.500	0.5129		mg/L		103	80 - 120	
Barium	2.50	2.687		mg/L		107	80 - 120	
Beryllium	0.500	0.5397		mg/L		108	80 - 120	
Cadmium	0.500	0.5235		mg/L		105	80 - 120	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-211510/2-A**

**Matrix: Water**

**Analysis Batch: 214078**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 211510**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	5.00	5.341		mg/L		107	80 - 120
Chromium	0.500	0.5441		mg/L		109	80 - 120
Cobalt	0.500	0.5368		mg/L		107	80 - 120
Copper	0.500	0.5411		mg/L		108	80 - 120
Iron	1.50	1.602		mg/L		107	80 - 120
Lead	0.500	0.5320		mg/L		106	80 - 120
Magnesium	5.00	5.223		mg/L		104	80 - 120
Manganese	0.500	0.5260		mg/L		105	80 - 120
Nickel	0.500	0.5379		mg/L		108	80 - 120
Potassium	5.00	5.334		mg/L		107	80 - 120
Selenium	0.500	0.5175		mg/L		104	80 - 120
Silver	0.250	0.2639		mg/L		106	80 - 120
Sodium	5.00	5.437		mg/L		109	80 - 120
Thallium	0.500	0.5394		mg/L		108	80 - 120
Vanadium	0.500	0.5371		mg/L		107	80 - 120
Zinc	0.500	0.5229		mg/L		105	80 - 120

**Lab Sample ID: 490-66832-G-10-B MS**

**Matrix: Water**

**Analysis Batch: 214078**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 211510**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	37.6		2.50	57.21	4	mg/L		784	75 - 125
Antimony	<0.00500		0.500	0.4184		mg/L		84	75 - 125
Arsenic	0.00930	J	0.500	0.4839		mg/L		95	75 - 125
Barium	0.274		2.50	2.866		mg/L		104	75 - 125
Beryllium	<0.00200		0.500	0.5185		mg/L		104	75 - 125
Cadmium	0.00150		0.500	0.4932		mg/L		98	75 - 125
Calcium	0.569	J	5.00	5.653		mg/L		102	75 - 125
Chromium	0.00990		0.500	0.5275		mg/L		104	75 - 125
Cobalt	0.0116		0.500	0.5195		mg/L		102	75 - 125
Copper	0.0179		0.500	0.5445		mg/L		105	75 - 125
Iron	22.4		1.50	26.03	4	mg/L		242	75 - 125
Lead	0.0776		0.500	0.6036		mg/L		105	75 - 125
Magnesium	3.16		5.00	8.344		mg/L		104	75 - 125
Manganese	1.41		0.500	1.938		mg/L		106	75 - 125
Nickel	0.00660	J	0.500	0.5148		mg/L		102	75 - 125
Potassium	5.50		5.00	10.53		mg/L		101	75 - 125
Selenium	<0.00500		0.500	0.4869		mg/L		97	75 - 125
Silver	<0.00250		0.250	0.2542		mg/L		102	75 - 125
Sodium	22.5		5.00	26.06	4	mg/L		70	75 - 125
Sodium	2.67		5.00	7.550		mg/L		98	75 - 125
Thallium	<0.00500		0.500	0.5087		mg/L		102	75 - 125
Vanadium	0.0430		0.500	0.5542		mg/L		102	75 - 125
Zinc	0.0925		0.500	0.5923		mg/L		100	75 - 125

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-66832-G-10-C MSD**

**Matrix: Water**

**Analysis Batch: 214078**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 211510**

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD Limit
	Result			Result					Limits		
Aluminum	37.6		2.50	59.20	4	mg/L		864	75 - 125	3	20
Antimony	<0.00500		0.500	0.4243		mg/L		85	75 - 125	1	20
Arsenic	0.00930	J	0.500	0.4965		mg/L		97	75 - 125	3	20
Barium	0.274		2.50	2.923		mg/L		106	75 - 125	2	20
Beryllium	<0.00200		0.500	0.5296		mg/L		106	75 - 125	2	20
Cadmium	0.00150		0.500	0.5038		mg/L		100	75 - 125	2	20
Calcium	0.569	J	5.00	5.750		mg/L		104	75 - 125	2	20
Chromium	0.00990		0.500	0.5394		mg/L		106	75 - 125	2	20
Cobalt	0.0116		0.500	0.5319		mg/L		104	75 - 125	2	20
Copper	0.0179		0.500	0.5519		mg/L		107	75 - 125	1	20
Iron	22.4		1.50	26.45	4	mg/L		270	75 - 125	2	20
Lead	0.0776		0.500	0.6149		mg/L		107	75 - 125	2	20
Magnesium	3.16		5.00	8.561		mg/L		108	75 - 125	3	20
Manganese	1.41		0.500	1.963		mg/L		111	75 - 125	1	20
Nickel	0.00660	J	0.500	0.5274		mg/L		104	75 - 125	2	20
Potassium	5.50		5.00	10.83		mg/L		107	75 - 125	3	20
Selenium	<0.00500		0.500	0.4942		mg/L		99	75 - 125	1	20
Silver	<0.00250		0.250	0.2586		mg/L		103	75 - 125	2	20
Sodium	22.5		5.00	26.58	4	mg/L		81	75 - 125	2	20
Sodium	2.67		5.00	7.653		mg/L		100	75 - 125	1	20
Thallium	<0.00500		0.500	0.5169		mg/L		103	75 - 125	2	20
Vanadium	0.0430		0.500	0.5622		mg/L		104	75 - 125	1	20
Zinc	0.0925		0.500	0.6060		mg/L		103	75 - 125	2	20

**Lab Sample ID: MB 490-213495/1-A**

**Matrix: Solid**

**Analysis Batch: 214289**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 213495**

Analyte	MB	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result								
Aluminum	<9.52		19.0	9.52	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Antimony	<0.952		9.52	0.952	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Arsenic	<0.857		1.90	0.857	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Barium	<1.52		1.90	1.52	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Beryllium	<0.381		0.952	0.381	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Cadmium	<0.0952		0.952	0.0952	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Calcium	<95.2		190	95.2	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Chromium	<0.571		0.952	0.571	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Cobalt	<0.952		1.90	0.952	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Copper	<0.952		1.90	0.952	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Iron	<19.0		38.1	19.0	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Lead	<0.476		0.952	0.476	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Magnesium	<95.2		190	95.2	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Manganese	<0.952		2.86	0.952	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Nickel	<0.571		1.90	0.571	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Potassium	<95.2		190	95.2	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Selenium	<0.952		1.90	0.952	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Silver	<0.476		0.952	0.476	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Sodium	<95.2		190	95.2	mg/Kg		12/12/14 09:47	12/15/14 18:24	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-213495/1-A**  
**Matrix: Solid**  
**Analysis Batch: 214289**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 213495**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.952		1.90	0.952	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Vanadium	<1.90		9.52	1.90	mg/Kg		12/12/14 09:47	12/15/14 18:24	1
Zinc	<5.71		9.52	5.71	mg/Kg		12/12/14 09:47	12/15/14 18:24	1

**Lab Sample ID: LCS 490-213495/2-A**  
**Matrix: Solid**  
**Analysis Batch: 214289**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 213495**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	783	813.9		mg/Kg		104	80 - 120
Antimony	39.1	41.31		mg/Kg		106	80 - 120
Arsenic	19.6	19.61		mg/Kg		100	80 - 120
Barium	783	823.1		mg/Kg		105	80 - 120
Beryllium	19.6	19.73		mg/Kg		101	80 - 120
Cadmium	19.6	18.86		mg/Kg		96	80 - 120
Calcium	1960	1913		mg/Kg		98	80 - 120
Chromium	78.3	78.40		mg/Kg		100	80 - 120
Cobalt	196	207.4		mg/Kg		106	80 - 120
Copper	97.8	100.4		mg/Kg		103	80 - 120
Iron	391	403.7		mg/Kg		103	80 - 120
Lead	19.6	20.70		mg/Kg		106	80 - 120
Magnesium	1960	2014		mg/Kg		103	80 - 120
Manganese	196	190.5		mg/Kg		97	80 - 120
Nickel	196	204.7		mg/Kg		105	80 - 120
Potassium	1960	1994		mg/Kg		102	80 - 120
Selenium	19.6	20.51		mg/Kg		105	80 - 120
Silver	19.6	18.90		mg/Kg		97	80 - 120
Sodium	1960	1963		mg/Kg		100	80 - 120
Thallium	19.6	20.76		mg/Kg		106	80 - 120
Vanadium	196	196.5		mg/Kg		100	80 - 120
Zinc	196	192.5		mg/Kg		98	80 - 120

**Lab Sample ID: LCSD 490-213495/3-A**  
**Matrix: Solid**  
**Analysis Batch: 214289**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 213495**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	783	836.8		mg/Kg		107	80 - 120	3	20
Antimony	39.1	42.13		mg/Kg		108	80 - 120	2	20
Arsenic	19.6	20.39		mg/Kg		104	80 - 120	4	20
Barium	783	833.3		mg/Kg		106	80 - 120	1	20
Beryllium	19.6	19.94		mg/Kg		102	80 - 120	1	20
Cadmium	19.6	18.85		mg/Kg		96	80 - 120	0	20
Calcium	1960	1926		mg/Kg		98	80 - 120	1	20
Chromium	78.3	78.43		mg/Kg		100	80 - 120	0	20
Cobalt	196	209.8		mg/Kg		107	80 - 120	1	20
Copper	97.8	102.8		mg/Kg		105	80 - 120	2	20
Iron	391	412.5		mg/Kg		105	80 - 120	2	20
Lead	19.6	21.00		mg/Kg		107	80 - 120	1	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCSD 490-213495/3-A**  
**Matrix: Solid**  
**Analysis Batch: 214289**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 213495**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							RPD	Limit		
Magnesium	1960	2057		mg/Kg		105	80 - 120	2	20	
Manganese	196	189.0		mg/Kg		97	80 - 120	1	20	
Nickel	196	207.2		mg/Kg		106	80 - 120	1	20	
Potassium	1960	2051		mg/Kg		105	80 - 120	3	20	
Selenium	19.6	20.65		mg/Kg		105	80 - 120	1	20	
Silver	19.6	18.94		mg/Kg		97	80 - 120	0	20	
Sodium	1960	1977		mg/Kg		101	80 - 120	1	20	
Thallium	19.6	20.80		mg/Kg		106	80 - 120	0	20	
Vanadium	196	200.8		mg/Kg		103	80 - 120	2	20	
Zinc	196	193.4		mg/Kg		99	80 - 120	0	20	

**Lab Sample ID: 490-66935-D-12-C MS**  
**Matrix: Solid**  
**Analysis Batch: 214289**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 213495**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier				RPD	Limit
Aluminum	15200		960	28140	4	mg/Kg	*	1352	75 - 125	
Antimony	<1.25		48.0	35.84		mg/Kg	*	75	75 - 125	
Arsenic	6.87		24.0	26.99		mg/Kg	*	84	75 - 125	
Barium	27.9		960	945.0		mg/Kg	*	96	75 - 125	
Beryllium	1.84		24.0	24.57		mg/Kg	*	95	75 - 125	
Cadmium	0.224	J	24.0	21.09		mg/Kg	*	87	75 - 125	
Calcium	<125		2400	2199		mg/Kg	*	92	75 - 125	
Chromium	18.4		96.0	106.1		mg/Kg	*	91	75 - 125	
Cobalt	1.42	J	240	229.6		mg/Kg	*	95	75 - 125	
Copper	6.25		120	120.6		mg/Kg	*	95	75 - 125	
Iron	41100		480	40620	4	mg/Kg	*	-108	75 - 125	
Lead	28.3		24.0	49.76		mg/Kg	*	89	75 - 125	
Magnesium	604		2400	3260		mg/Kg	*	111	75 - 125	
Manganese	72.2		240	283.1		mg/Kg	*	88	75 - 125	
Nickel	2.96		240	229.0		mg/Kg	*	94	75 - 125	
Potassium	217	J	2400	2560		mg/Kg	*	98	75 - 125	
Selenium	<1.25		24.0	21.88		mg/Kg	*	91	75 - 125	
Silver	<0.623		24.0	22.22		mg/Kg	*	93	75 - 125	
Sodium	<125		2400	2323		mg/Kg	*	97	75 - 125	
Thallium	<1.25	L	24.0	20.97		mg/Kg	*	87	75 - 125	
Vanadium	94.0		240	323.6		mg/Kg	*	96	75 - 125	
Zinc	25.2		240	244.5		mg/Kg	*	91	75 - 125	

**Lab Sample ID: 490-66935-D-12-D MSD**  
**Matrix: Solid**  
**Analysis Batch: 214289**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 213495**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier				RPD	Limit
Aluminum	15200		980	31810	4	mg/Kg	*	1698	75 - 125	12
Antimony	<1.25		49.0	43.97		mg/Kg	*	90	75 - 125	20
Arsenic	6.87		24.5	31.10		mg/Kg	*	99	75 - 125	14
Barium	27.9		980	1072		mg/Kg	*	107	75 - 125	13
Beryllium	1.84		24.5	27.40		mg/Kg	*	104	75 - 125	11

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-66935-D-12-D MSD**

**Matrix: Solid**

**Analysis Batch: 214289**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 213495**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Cadmium	0.224	J	24.5	24.17		mg/Kg	*	98	75 - 125	14	20
Calcium	<125		2450	2434		mg/Kg	*	99	75 - 125	10	20
Chromium	18.4		98.0	121.6		mg/Kg	*	105	75 - 125	14	20
Cobalt	1.42	J	245	262.0		mg/Kg	*	106	75 - 125	13	20
Copper	6.25		123	135.0		mg/Kg	*	105	75 - 125	11	20
Iron	41100		490	45150	4	mg/Kg	*	818	75 - 125	11	20
Lead	28.3		24.5	56.89		mg/Kg	*	116	75 - 125	13	20
Magnesium	604		2450	3618		mg/Kg	*	123	75 - 125	10	20
Manganese	72.2		245	322.3		mg/Kg	*	102	75 - 125	13	20
Nickel	2.96		245	259.1		mg/Kg	*	104	75 - 125	12	20
Potassium	217	J	2450	2865		mg/Kg	*	108	75 - 125	11	20
Selenium	<1.25		24.5	25.02		mg/Kg	*	102	75 - 125	13	20
Silver	<0.623		24.5	25.15		mg/Kg	*	103	75 - 125	12	20
Sodium	<125		2450	2498		mg/Kg	*	102	75 - 125	7	20
Thallium	<1.25	L	24.5	22.23		mg/Kg	*	91	75 - 125	6	20
Vanadium	94.0		245	360.3		mg/Kg	*	109	75 - 125	11	20
Zinc	25.2		245	278.2		mg/Kg	*	103	75 - 125	13	20

**Lab Sample ID: MB 490-211378/1-B**

**Matrix: Water**

**Analysis Batch: 214677**

**Client Sample ID: Method Blank**

**Prep Type: Dissolved**

**Prep Batch: 211379**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Antimony	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Arsenic	<0.00720		0.0100	0.00720	mg/L		12/04/14 14:13	12/16/14 23:22	1
Barium	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/04/14 14:13	12/16/14 23:22	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Calcium	<0.500		1.00	0.500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Chromium	<0.00300		0.00500	0.00300	mg/L		12/04/14 14:13	12/16/14 23:22	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Copper	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Iron	<0.0500		0.100	0.0500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Lead	<0.00200		0.00500	0.00200	mg/L		12/04/14 14:13	12/16/14 23:22	1
Magnesium	<0.500		1.00	0.500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Manganese	<0.00500		0.0150	0.00500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Nickel	<0.00300		0.0100	0.00300	mg/L		12/04/14 14:13	12/16/14 23:22	1
Potassium	<0.500		1.00	0.500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Selenium	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Silver	<0.00250		0.00500	0.00250	mg/L		12/04/14 14:13	12/16/14 23:22	1
Thallium	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:13	12/16/14 23:22	1
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/04/14 14:13	12/16/14 23:22	1
Zinc	<0.0300		0.0500	0.0300	mg/L		12/04/14 14:13	12/16/14 23:22	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-211378/1-B**  
**Matrix: Water**  
**Analysis Batch: 214976**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 211379**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	0.5191	J	1.00	0.500	mg/L		12/04/14 14:13	12/17/14 15:22	1

**Lab Sample ID: LCS 490-211378/2-B**  
**Matrix: Water**  
**Analysis Batch: 214677**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 211379**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.50	2.692		mg/L		108	80 - 120
Antimony	0.500	0.5442		mg/L		109	80 - 120
Arsenic	0.500	0.5330		mg/L		107	80 - 120
Barium	2.50	2.747		mg/L		110	80 - 120
Beryllium	0.500	0.5405		mg/L		108	80 - 120
Cadmium	0.500	0.5269		mg/L		105	80 - 120
Calcium	5.00	5.197		mg/L		104	80 - 120
Chromium	0.500	0.5307		mg/L		106	80 - 120
Cobalt	0.500	0.5712		mg/L		114	80 - 120
Copper	0.500	0.5393		mg/L		108	80 - 120
Iron	1.50	1.560		mg/L		104	80 - 120
Lead	0.500	0.5586		mg/L		112	80 - 120
Magnesium	5.00	5.389		mg/L		108	80 - 120
Manganese	0.500	0.5483		mg/L		110	80 - 120
Nickel	0.500	0.5606		mg/L		112	80 - 120
Potassium	5.00	5.430		mg/L		109	80 - 120
Selenium	0.500	0.5701		mg/L		114	80 - 120
Silver	0.250	0.2664		mg/L		107	80 - 120
Thallium	0.500	0.5725		mg/L		115	80 - 120
Vanadium	0.500	0.5304		mg/L		106	80 - 120
Zinc	0.500	0.5458		mg/L		109	80 - 120

**Lab Sample ID: LCS 490-211378/2-B**  
**Matrix: Water**  
**Analysis Batch: 214976**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 211379**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	5.00	5.911		mg/L		118	80 - 120

**Lab Sample ID: 310-44252-A-2-E MS**  
**Matrix: Water**  
**Analysis Batch: 214677**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 211379**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	<0.0500		2.50	2.626		mg/L		105	75 - 125
Antimony	<0.00500		0.500	0.5405		mg/L		108	75 - 125
Arsenic	<0.00720		0.500	0.5369		mg/L		107	75 - 125
Barium	0.0792		2.50	2.728		mg/L		106	75 - 125
Beryllium	<0.00200		0.500	0.5368		mg/L		107	75 - 125
Cadmium	<0.000500		0.500	0.5179		mg/L		104	75 - 125
Calcium	88.6		5.00	91.06	4	mg/L		50	75 - 125
Chromium	<0.00300		0.500	0.5247		mg/L		105	75 - 125

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 310-44252-A-2-E MS**  
**Matrix: Water**  
**Analysis Batch: 214677**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 211379**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Cobalt	<0.00500		0.500	0.5480		mg/L		110	75 - 125
Copper	<0.00500		0.500	0.5248		mg/L		105	75 - 125
Iron	<0.0500		1.50	1.514		mg/L		101	75 - 125
Lead	<0.00200		0.500	0.5320		mg/L		106	75 - 125
Magnesium	21.0		5.00	25.58	4	mg/L		91	75 - 125
Manganese	0.00790	J	0.500	0.5369		mg/L		106	75 - 125
Nickel	<0.00300		0.500	0.5355		mg/L		107	75 - 125
Potassium	4.07		5.00	9.056		mg/L		100	75 - 125
Selenium	<0.00500		0.500	0.5660		mg/L		113	75 - 125
Silver	<0.00250		0.250	0.2633		mg/L		105	75 - 125
Thallium	<0.00500		0.500	0.5369		mg/L		107	75 - 125
Vanadium	<0.0100		0.500	0.5209		mg/L		104	75 - 125
Zinc	<0.0300		0.500	0.5515		mg/L		110	75 - 125

**Lab Sample ID: 310-44252-A-2-E MS**  
**Matrix: Water**  
**Analysis Batch: 214976**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 211379**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Sodium	13.2	B	5.00	18.45		mg/L		106	75 - 125

**Lab Sample ID: 310-44252-A-2-F MSD**  
**Matrix: Water**  
**Analysis Batch: 214677**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 211379**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Aluminum	<0.0500		2.50	2.618		mg/L		105	75 - 125	0	20
Antimony	<0.00500		0.500	0.5389		mg/L		108	75 - 125	0	20
Arsenic	<0.00720		0.500	0.5301		mg/L		106	75 - 125	1	20
Barium	0.0792		2.50	2.724		mg/L		106	75 - 125	0	20
Beryllium	<0.00200		0.500	0.5327		mg/L		107	75 - 125	1	20
Cadmium	<0.000500		0.500	0.5205		mg/L		104	75 - 125	1	20
Calcium	88.6		5.00	89.70	4	mg/L		23	75 - 125	2	20
Chromium	<0.00300		0.500	0.5280		mg/L		106	75 - 125	1	20
Cobalt	<0.00500		0.500	0.5484		mg/L		110	75 - 125	0	20
Copper	<0.00500		0.500	0.5200		mg/L		104	75 - 125	1	20
Iron	<0.0500		1.50	1.499		mg/L		100	75 - 125	1	20
Lead	<0.00200		0.500	0.5328		mg/L		107	75 - 125	0	20
Magnesium	21.0		5.00	25.32	4	mg/L		86	75 - 125	1	20
Manganese	0.00790	J	0.500	0.5403		mg/L		106	75 - 125	1	20
Nickel	<0.00300		0.500	0.5358		mg/L		107	75 - 125	0	20
Potassium	4.07		5.00	8.986		mg/L		98	75 - 125	1	20
Selenium	<0.00500		0.500	0.5675		mg/L		114	75 - 125	0	20
Silver	<0.00250		0.250	0.2662		mg/L		106	75 - 125	1	20
Thallium	<0.00500		0.500	0.5378		mg/L		108	75 - 125	0	20
Vanadium	<0.0100		0.500	0.5182		mg/L		104	75 - 125	1	20
Zinc	<0.0300		0.500	0.5549		mg/L		111	75 - 125	1	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 310-44252-A-2-F MSD**  
**Matrix: Water**  
**Analysis Batch: 214976**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 211379**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sodium	13.2	B	5.00	18.08		mg/L		98	75 - 125	2	20

**Lab Sample ID: MB 490-211382/1-B**  
**Matrix: Water**  
**Analysis Batch: 214079**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 211385**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0500		0.100	0.0500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Antimony	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Arsenic	<0.00720		0.0100	0.00720	mg/L		12/04/14 14:22	12/15/14 01:45	1
Barium	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/04/14 14:22	12/15/14 01:45	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Calcium	<0.500		1.00	0.500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Chromium	<0.00300		0.00500	0.00300	mg/L		12/04/14 14:22	12/15/14 01:45	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Copper	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Iron	<0.0500		0.100	0.0500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Lead	<0.00200		0.00500	0.00200	mg/L		12/04/14 14:22	12/15/14 01:45	1
Magnesium	<0.500		1.00	0.500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Manganese	<0.00500		0.0150	0.00500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Nickel	<0.00300		0.0100	0.00300	mg/L		12/04/14 14:22	12/15/14 01:45	1
Potassium	<0.500		1.00	0.500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Selenium	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Silver	<0.00250		0.00500	0.00250	mg/L		12/04/14 14:22	12/15/14 01:45	1
Sodium	<0.500		1.00	0.500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Thallium	<0.00500		0.0100	0.00500	mg/L		12/04/14 14:22	12/15/14 01:45	1
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/04/14 14:22	12/15/14 01:45	1
Zinc	<0.0300		0.0500	0.0300	mg/L		12/04/14 14:22	12/15/14 01:45	1

**Lab Sample ID: LCS 490-211382/2-B**  
**Matrix: Water**  
**Analysis Batch: 214079**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 211385**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.50	2.524		mg/L		101	80 - 120
Antimony	0.500	0.5011		mg/L		100	80 - 120
Arsenic	0.500	0.5013		mg/L		100	80 - 120
Barium	2.50	2.539		mg/L		102	80 - 120
Beryllium	0.500	0.5128		mg/L		103	80 - 120
Cadmium	0.500	0.4938		mg/L		99	80 - 120
Calcium	5.00	5.177		mg/L		104	80 - 120
Chromium	0.500	0.5222		mg/L		104	80 - 120
Cobalt	0.500	0.5129		mg/L		103	80 - 120
Copper	0.500	0.5207		mg/L		104	80 - 120
Iron	1.50	1.548		mg/L		103	80 - 120
Lead	0.500	0.4967		mg/L		99	80 - 120
Magnesium	5.00	4.959		mg/L		99	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-211382/2-B**  
**Matrix: Water**  
**Analysis Batch: 214079**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 211385**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	0.500	0.5017		mg/L		100	80 - 120
Nickel	0.500	0.5240		mg/L		105	80 - 120
Potassium	5.00	5.159		mg/L		103	80 - 120
Selenium	0.500	0.5355		mg/L		107	80 - 120
Silver	0.250	0.2486		mg/L		99	80 - 120
Sodium	5.00	5.084		mg/L		102	80 - 120
Thallium	0.500	0.5307		mg/L		106	80 - 120
Vanadium	0.500	0.5143		mg/L		103	80 - 120
Zinc	0.500	0.5168		mg/L		103	80 - 120

**Lab Sample ID: 490-66957-5 MS**  
**Matrix: Ground Water**  
**Analysis Batch: 214079**

**Client Sample ID: Tract 4A TW-1 (8-12)**  
**Prep Type: Dissolved**  
**Prep Batch: 211385**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	<0.0500		2.50	2.897		mg/L		116	75 - 125
Antimony	<0.00500		0.500	0.5618		mg/L		112	75 - 125
Arsenic	<0.00720		0.500	0.5557		mg/L		111	75 - 125
Barium	0.0362		2.50	2.861		mg/L		113	75 - 125
Beryllium	<0.00200		0.500	0.5758		mg/L		115	75 - 125
Cadmium	<0.000500		0.500	0.5487		mg/L		110	75 - 125
Calcium	14.5		5.00	20.29		mg/L		116	75 - 125
Chromium	<0.00300		0.500	0.5848		mg/L		117	75 - 125
Cobalt	<0.00500		0.500	0.5654		mg/L		113	75 - 125
Copper	<0.00500		0.500	0.5792		mg/L		116	75 - 125
Iron	1.10		1.50	2.873		mg/L		118	75 - 125
Lead	0.00300	J	0.500	0.5530		mg/L		110	75 - 125
Magnesium	4.83		5.00	10.76		mg/L		119	75 - 125
Manganese	0.0383		0.500	0.6010		mg/L		113	75 - 125
Nickel	<0.00300		0.500	0.5788		mg/L		116	75 - 125
Potassium	2.94		5.00	8.725		mg/L		116	75 - 125
Selenium	<0.00500		0.500	0.5957		mg/L		119	75 - 125
Silver	<0.00250		0.250	0.2804		mg/L		112	75 - 125
Sodium	7.81		5.00	13.94		mg/L		123	75 - 125
Thallium	<0.00500		0.500	0.5876		mg/L		118	75 - 125
Vanadium	<0.0100		0.500	0.5816		mg/L		116	75 - 125
Zinc	<0.0300		0.500	0.5909		mg/L		118	75 - 125

**Lab Sample ID: 490-66957-5 MSD**  
**Matrix: Ground Water**  
**Analysis Batch: 214677**

**Client Sample ID: Tract 4A TW-1 (8-12)**  
**Prep Type: Dissolved**  
**Prep Batch: 211385**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aluminum	<0.0500		2.50	2.688		mg/L		108	75 - 125	7	20
Antimony	<0.00500		0.500	0.5504		mg/L		110	75 - 125	2	20
Arsenic	<0.00720		0.500	0.5427		mg/L		109	75 - 125	2	20
Barium	0.0362		2.50	2.778		mg/L		110	75 - 125	3	20
Beryllium	<0.00200		0.500	0.5268		mg/L		105	75 - 125	9	20
Cadmium	<0.000500		0.500	0.5332		mg/L		107	75 - 125	3	20

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-66957-5 MSD**  
**Matrix: Ground Water**  
**Analysis Batch: 214677**

**Client Sample ID: Tract 4A TW-1 (8-12)**  
**Prep Type: Dissolved**  
**Prep Batch: 211385**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Calcium	14.5		5.00	18.84		mg/L		87	75 - 125	7	20
Chromium	<0.00300		0.500	0.5340		mg/L		107	75 - 125	9	20
Cobalt	<0.00500		0.500	0.5652		mg/L		113	75 - 125	0	20
Copper	<0.00500		0.500	0.5293		mg/L		106	75 - 125	9	20
Iron	1.10		1.50	2.503		mg/L		94	75 - 125	14	20
Lead	0.00300	J	0.500	0.5542		mg/L		110	75 - 125	0	20
Magnesium	4.83		5.00	10.13		mg/L		106	75 - 125	6	20
Manganese	0.0383		0.500	0.5834		mg/L		109	75 - 125	3	20
Nickel	<0.00300		0.500	0.5584		mg/L		112	75 - 125	4	20
Potassium	2.94		5.00	7.870		mg/L		99	75 - 125	10	20
Selenium	<0.00500		0.500	0.5677		mg/L		114	75 - 125	5	20
Silver	<0.00250		0.250	0.2665		mg/L		107	75 - 125	5	20
Thallium	<0.00500		0.500	0.5637		mg/L		113	75 - 125	4	20
Vanadium	<0.0100		0.500	0.5169		mg/L		103	75 - 125	12	20
Zinc	<0.0300		0.500	0.5594		mg/L		112	75 - 125	5	20

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 490-212399/1-B**  
**Matrix: Water**  
**Analysis Batch: 213125**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 212404**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000150		0.000200	0.000150	mg/L		12/09/14 08:33	12/10/14 17:27	1

**Lab Sample ID: LCS 490-212399/2-B**  
**Matrix: Water**  
**Analysis Batch: 213125**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 212404**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Added	Result				Qualifier
Mercury	0.00100	0.001074		mg/L		107	80 - 120

**Lab Sample ID: 310-44252-A-2-K MS**  
**Matrix: Water**  
**Analysis Batch: 213125**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 212404**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	<0.000150		0.00100	0.001078		mg/L		108	75 - 125

**Lab Sample ID: 310-44252-A-2-L MSD**  
**Matrix: Water**  
**Analysis Batch: 213125**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 212404**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Mercury	<0.000150		0.00100	0.0009758		mg/L		98	75 - 125	10	20

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

**Lab Sample ID: MB 490-212340/1-A**  
**Matrix: Solid**  
**Analysis Batch: 213011**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 212340**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0294		0.0980	0.0294	mg/Kg	-	12/08/14 16:35	12/10/14 09:17	1

**Lab Sample ID: LCS 490-212340/2-A**  
**Matrix: Solid**  
**Analysis Batch: 213011**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 212340**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.166	0.1603		mg/Kg	-	97	80 - 120

## Method: Moisture - Percent Moisture

**Lab Sample ID: 490-66958-D-22 DU**  
**Matrix: Solid**  
**Analysis Batch: 208338**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	86		86		%	-		

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## GC/MS VOA

### Prep Batch: 208395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	5035	
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	5035	
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	5035	
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	5035	
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	5035	

### Analysis Batch: 209880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	8260B	208395
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	8260B	208395
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	8260B	208395
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	8260B	208395
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	8260B	208395
LCS 490-209880/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-209880/5	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-209880/8	Method Blank	Total/NA	Solid	8260B	

### Analysis Batch: 210567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-2	Tract 4C TW-1 (3-13)	Total/NA	Ground Water	8260B	
490-66957-5	Tract 4A TW-1 (8-12)	Total/NA	Ground Water	8260B	
490-66957-8	Tract 4 TW-2 (4-14)	Total/NA	Ground Water	8260B	
490-66957-9	Trip Blank	Total/NA	Water	8260B	
490-66957-10	Trip Blank	Total/NA	Water	8260B	
490-66957-11	Trip Blank	Total/NA	Water	8260B	
490-67234-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-67234-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-210567/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-210567/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-210567/7	Method Blank	Total/NA	Water	8260B	

## GC/MS Semi VOA

### Prep Batch: 208576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-2	Tract 4C TW-1 (3-13)	Total/NA	Ground Water	3510C	
490-66957-5	Tract 4A TW-1 (8-12)	Total/NA	Ground Water	3510C	
490-66957-8	Tract 4 TW-2 (4-14)	Total/NA	Ground Water	3510C	

### Analysis Batch: 208958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-2	Tract 4C TW-1 (3-13)	Total/NA	Ground Water	8270D	208576
490-66957-5	Tract 4A TW-1 (8-12)	Total/NA	Ground Water	8270D	208576
490-66957-8	Tract 4 TW-2 (4-14)	Total/NA	Ground Water	8270D	208576

### Prep Batch: 208965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	3550C	
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	3550C	
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	3550C	

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## GC/MS Semi VOA (Continued)

### Prep Batch: 208965 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	3550C	
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	3550C	
490-66958-E-1-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-66958-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
LCS 490-208965/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-208965/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 209298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	8270D	208965
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	8270D	208965
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	8270D	208965
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	8270D	208965
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	8270D	208965

### Analysis Batch: 209301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66958-E-1-B MS	Matrix Spike	Total/NA	Solid	8270D	208965
490-66958-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	208965
LCS 490-208965/2-A	Lab Control Sample	Total/NA	Solid	8270D	208965
MB 490-208965/1-A	Method Blank	Total/NA	Solid	8270D	208965

## GC Semi VOA

### Prep Batch: 208487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-2	Tract 4C TW-1 (3-13)	Total/NA	Ground Water	3510C	
490-66957-5	Tract 4A TW-1 (8-12)	Total/NA	Ground Water	3510C	
490-66957-8	Tract 4 TW-2 (4-14)	Total/NA	Ground Water	3510C	
LCS 490-208487/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 490-208487/3-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 490-208487/4-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-208487/1-A	Method Blank	Total/NA	Water	3510C	

### Prep Batch: 209484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66921-J-1-G MS	Matrix Spike	Total/NA	Solid	3550C	
490-66921-J-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	3550C	
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	3550C	
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	3550C	
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	3550C	
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	3550C	
490-67070-A-1-C MS	Matrix Spike	Total/NA	Solid	3550C	
490-67070-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
LCS 490-209484/16-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 490-209484/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 490-209484/3-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-209484/1-A	Method Blank	Total/NA	Solid	3550C	

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## GC Semi VOA (Continued)

### Analysis Batch: 209618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-2	Tract 4C TW-1 (3-13)	Total/NA	Ground Water	8082A	208487
490-66957-5	Tract 4A TW-1 (8-12)	Total/NA	Ground Water	8082A	208487
490-66957-8	Tract 4 TW-2 (4-14)	Total/NA	Ground Water	8082A	208487
LCS 490-208487/3-A	Lab Control Sample	Total/NA	Water	8082A	208487
MB 490-208487/1-A	Method Blank	Total/NA	Water	8082A	208487

### Analysis Batch: 209854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	8082A	209484
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	8082A	209484
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	8082A	209484
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	8082A	209484
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	8082A	209484
490-67070-A-1-C MS	Matrix Spike	Total/NA	Solid	8082A	209484
490-67070-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	209484
LCS 490-209484/16-A	Lab Control Sample	Total/NA	Solid	8082A	209484
MB 490-209484/1-A	Method Blank	Total/NA	Solid	8082A	209484

### Analysis Batch: 212364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66921-J-1-G MS	Matrix Spike	Total/NA	Solid	8081B	209484
490-66921-J-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	209484
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	8081B	209484
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	8081B	209484
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	8081B	209484
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	8081B	209484
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	8081B	209484
LCS 490-209484/2-A	Lab Control Sample	Total/NA	Solid	8081B	209484
LCS 490-209484/3-A	Lab Control Sample	Total/NA	Solid	8081B	209484
MB 490-209484/1-A	Method Blank	Total/NA	Solid	8081B	209484

### Prep Batch: 212590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	3550C	
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	3550C	
490-66957-3 MS	Tract 4A SB-1 (0-2)	Total/NA	Solid	3550C	
490-66957-3 MSD	Tract 4A SB-1 (0-2)	Total/NA	Solid	3550C	
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	3550C	
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	3550C	
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	3550C	
LCS 490-212590/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 490-212590/3-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-212590/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 212703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	8081B	212590
490-66957-2	Tract 4C TW-1 (3-13)	Total/NA	Ground Water	8081B	208487
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	8081B	212590
490-66957-3 MS	Tract 4A SB-1 (0-2)	Total/NA	Solid	8081B	212590
490-66957-3 MSD	Tract 4A SB-1 (0-2)	Total/NA	Solid	8081B	212590

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## GC Semi VOA (Continued)

### Analysis Batch: 212703 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	8081B	212590
490-66957-5	Tract 4A TW-1 (8-12)	Total/NA	Ground Water	8081B	208487
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	8081B	212590
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	8081B	212590
490-66957-8	Tract 4 TW-2 (4-14)	Total/NA	Ground Water	8081B	208487
LCS 490-208487/2-A	Lab Control Sample	Total/NA	Water	8081B	208487
LCS 490-208487/4-A	Lab Control Sample	Total/NA	Water	8081B	208487
LCS 490-212590/2-A	Lab Control Sample	Total/NA	Solid	8081B	212590
LCS 490-212590/3-A	Lab Control Sample	Total/NA	Solid	8081B	212590
MB 490-208487/1-A	Method Blank	Total/NA	Water	8081B	208487
MB 490-212590/1-A	Method Blank	Total/NA	Solid	8081B	212590

## Metals

### Filtration Batch: 211378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-44252-A-2-E MS	Matrix Spike	Dissolved	Water	Filtration	
310-44252-A-2-F MSD	Matrix Spike Duplicate	Dissolved	Water	Filtration	
490-66957-2	Tract 4C TW-1 (3-13)	Dissolved	Ground Water	Filtration	
LCS 490-211378/2-B	Lab Control Sample	Dissolved	Water	Filtration	
MB 490-211378/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 211379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-44252-A-2-E MS	Matrix Spike	Dissolved	Water	3005A	211378
310-44252-A-2-F MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	211378
490-66957-2	Tract 4C TW-1 (3-13)	Dissolved	Ground Water	3005A	211378
LCS 490-211378/2-B	Lab Control Sample	Dissolved	Water	3005A	211378
MB 490-211378/1-B	Method Blank	Dissolved	Water	3005A	211378

### Filtration Batch: 211382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-5	Tract 4A TW-1 (8-12)	Dissolved	Ground Water	Filtration	
490-66957-5 MS	Tract 4A TW-1 (8-12)	Dissolved	Ground Water	Filtration	
490-66957-5 MSD	Tract 4A TW-1 (8-12)	Dissolved	Ground Water	Filtration	
490-66957-8	Tract 4 TW-2 (4-14)	Dissolved	Ground Water	Filtration	
LCS 490-211382/2-B	Lab Control Sample	Dissolved	Water	Filtration	
MB 490-211382/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 211385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-5	Tract 4A TW-1 (8-12)	Dissolved	Ground Water	3005A	211382
490-66957-5 MS	Tract 4A TW-1 (8-12)	Dissolved	Ground Water	3005A	211382
490-66957-5 MSD	Tract 4A TW-1 (8-12)	Dissolved	Ground Water	3005A	211382
490-66957-8	Tract 4 TW-2 (4-14)	Dissolved	Ground Water	3005A	211382
LCS 490-211382/2-B	Lab Control Sample	Dissolved	Water	3005A	211382
MB 490-211382/1-B	Method Blank	Dissolved	Water	3005A	211382

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Metals (Continued)

### Prep Batch: 211510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66832-G-10-B MS	Matrix Spike	Total/NA	Water	3010A	
490-66832-G-10-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
490-66957-2	Tract 4C TW-1 (3-13)	Total/NA	Ground Water	3010A	
490-66957-5	Tract 4A TW-1 (8-12)	Total/NA	Ground Water	3010A	
490-66957-8	Tract 4 TW-2 (4-14)	Total/NA	Ground Water	3010A	
LCS 490-211510/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 490-211510/1-A	Method Blank	Total/NA	Water	3010A	

### Prep Batch: 212340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	7471B	
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	7471B	
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	7471B	
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	7471B	
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	7471B	
LCS 490-212340/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 490-212340/1-A	Method Blank	Total/NA	Solid	7471B	

### Filtration Batch: 212399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-44252-A-2-K MS	Matrix Spike	Dissolved	Water	Filtration	
310-44252-A-2-L MSD	Matrix Spike Duplicate	Dissolved	Water	Filtration	
490-66957-2	Tract 4C TW-1 (3-13)	Dissolved	Ground Water	Filtration	
490-66957-5	Tract 4A TW-1 (8-12)	Dissolved	Ground Water	Filtration	
490-66957-8	Tract 4 TW-2 (4-14)	Dissolved	Ground Water	Filtration	
LCS 490-212399/2-B	Lab Control Sample	Dissolved	Water	Filtration	
MB 490-212399/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 212404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-44252-A-2-K MS	Matrix Spike	Dissolved	Water	7470A	212399
310-44252-A-2-L MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	212399
490-66957-2	Tract 4C TW-1 (3-13)	Dissolved	Ground Water	7470A	212399
490-66957-5	Tract 4A TW-1 (8-12)	Dissolved	Ground Water	7470A	212399
490-66957-8	Tract 4 TW-2 (4-14)	Dissolved	Ground Water	7470A	212399
LCS 490-212399/2-B	Lab Control Sample	Dissolved	Water	7470A	212399
MB 490-212399/1-B	Method Blank	Dissolved	Water	7470A	212399

### Analysis Batch: 213011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	7471B	212340
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	7471B	212340
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	7471B	212340
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	7471B	212340
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	7471B	212340
LCS 490-212340/2-A	Lab Control Sample	Total/NA	Solid	7471B	212340
MB 490-212340/1-A	Method Blank	Total/NA	Solid	7471B	212340

### Analysis Batch: 213125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-44252-A-2-K MS	Matrix Spike	Dissolved	Water	7470A	212404

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 213125 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-44252-A-2-L MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	212404
490-66957-2	Tract 4C TW-1 (3-13)	Dissolved	Ground Water	7470A	212404
490-66957-5	Tract 4A TW-1 (8-12)	Dissolved	Ground Water	7470A	212404
490-66957-8	Tract 4 TW-2 (4-14)	Dissolved	Ground Water	7470A	212404
LCS 490-212399/2-B	Lab Control Sample	Dissolved	Water	7470A	212404
MB 490-212399/1-B	Method Blank	Dissolved	Water	7470A	212404

### Prep Batch: 213495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66935-D-12-C MS	Matrix Spike	Total/NA	Solid	3051A	
490-66935-D-12-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3051A	
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	3051A	
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	3051A	
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	3051A	
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	3051A	
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	3051A	
LCS 490-213495/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 490-213495/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	
MB 490-213495/1-A	Method Blank	Total/NA	Solid	3051A	

### Analysis Batch: 214078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66832-G-10-B MS	Matrix Spike	Total/NA	Water	6010C	211510
490-66832-G-10-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010C	211510
490-66957-2	Tract 4C TW-1 (3-13)	Total/NA	Ground Water	6010C	211510
490-66957-5	Tract 4A TW-1 (8-12)	Total/NA	Ground Water	6010C	211510
490-66957-8	Tract 4 TW-2 (4-14)	Total/NA	Ground Water	6010C	211510
LCS 490-211510/2-A	Lab Control Sample	Total/NA	Water	6010C	211510
MB 490-211510/1-A	Method Blank	Total/NA	Water	6010C	211510

### Analysis Batch: 214079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-5	Tract 4A TW-1 (8-12)	Dissolved	Ground Water	6010C	211385
490-66957-5 MS	Tract 4A TW-1 (8-12)	Dissolved	Ground Water	6010C	211385
490-66957-8	Tract 4 TW-2 (4-14)	Dissolved	Ground Water	6010C	211385
LCS 490-211382/2-B	Lab Control Sample	Dissolved	Water	6010C	211385
MB 490-211382/1-B	Method Blank	Dissolved	Water	6010C	211385

### Analysis Batch: 214289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66935-D-12-C MS	Matrix Spike	Total/NA	Solid	6010C	213495
490-66935-D-12-D MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	213495
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	6010C	213495
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	6010C	213495
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	6010C	213495
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	6010C	213495
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	6010C	213495
LCS 490-213495/2-A	Lab Control Sample	Total/NA	Solid	6010C	213495
LCSD 490-213495/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	213495
MB 490-213495/1-A	Method Blank	Total/NA	Solid	6010C	213495

TestAmerica Nashville



# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 214677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-44252-A-2-E MS	Matrix Spike	Dissolved	Water	6010C	211379
310-44252-A-2-F MSD	Matrix Spike Duplicate	Dissolved	Water	6010C	211379
490-66957-2	Tract 4C TW-1 (3-13)	Dissolved	Ground Water	6010C	211379
490-66957-5 MSD	Tract 4A TW-1 (8-12)	Dissolved	Ground Water	6010C	211385
LCS 490-211378/2-B	Lab Control Sample	Dissolved	Water	6010C	211379
MB 490-211378/1-B	Method Blank	Dissolved	Water	6010C	211379

### Analysis Batch: 214976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-44252-A-2-E MS	Matrix Spike	Dissolved	Water	6010C	211379
310-44252-A-2-F MSD	Matrix Spike Duplicate	Dissolved	Water	6010C	211379
490-66957-2	Tract 4C TW-1 (3-13)	Dissolved	Ground Water	6010C	211379
LCS 490-211378/2-B	Lab Control Sample	Dissolved	Water	6010C	211379
MB 490-211378/1-B	Method Blank	Dissolved	Water	6010C	211379

### Prep Batch: 216706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-2	Tract 4C TW-1 (3-13)	Total/NA	Ground Water	7470A	
490-66957-5	Tract 4A TW-1 (8-12)	Total/NA	Ground Water	7470A	
490-66957-8	Tract 4 TW-2 (4-14)	Total/NA	Ground Water	7470A	

### Analysis Batch: 217315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-2	Tract 4C TW-1 (3-13)	Total/NA	Ground Water	7470A	216706
490-66957-5	Tract 4A TW-1 (8-12)	Total/NA	Ground Water	7470A	216706
490-66957-8	Tract 4 TW-2 (4-14)	Total/NA	Ground Water	7470A	216706

## General Chemistry

### Analysis Batch: 208338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66957-1	Tract 4C SB-1 (42-46)	Total/NA	Solid	Moisture	
490-66957-3	Tract 4A SB-1 (0-2)	Total/NA	Solid	Moisture	
490-66957-4	Tract 4A SB-1 (32-36)	Total/NA	Solid	Moisture	
490-66957-6	Tract 4 SB-2 (0-2)	Total/NA	Solid	Moisture	
490-66957-7	Tract 4 SB-2 (40-44)	Total/NA	Solid	Moisture	
490-66958-D-22 DU	Duplicate	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4C SB-1 (42-46)**

**Lab Sample ID: 490-66957-1**

Date Collected: 11/19/14 16:45

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 55.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.919 g	5.0 mL	208395	11/22/14 11:48	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.919 g	5.0 mL	209880	11/29/14 05:36	KKK	TAL NSH
Total/NA	Prep	3550C			54.38 g	1.00 mL	208965	11/25/14 10:45	LOJ	TAL NSH
Total/NA	Analysis	8270D		1	54.38 g	1.00 mL	209298	11/26/14 19:51	SNR	TAL NSH
Total/NA	Prep	3550C			50.21 g	10.00 mL	209484	11/26/14 14:42	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	50.21 g	10.00 mL	212364	12/09/14 01:44	HMT	TAL NSH
Total/NA	Prep	3550C			54.14 g	10.00 mL	212590	12/09/14 14:15	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	54.14 g	10.00 mL	212703	12/10/14 00:50	HMT	TAL NSH
Total/NA	Prep	3550C			50.21 g	10.00 mL	209484	11/26/14 14:42	LOJ	TAL NSH
Total/NA	Analysis	8082A		1	50.21 g	10.00 mL	209854	11/29/14 14:59	MGH	TAL NSH
Total/NA	Prep	3051A			0.505 g	100 mL	213495	12/12/14 09:47	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.505 g	100 mL	214289	12/15/14 19:38	HJM	TAL NSH
Total/NA	Prep	7471B			0.618 g	100 mL	212340	12/08/14 16:35	AAS	TAL NSH
Total/NA	Analysis	7471B		1	0.618 g	100 mL	213011	12/10/14 10:05	AAS	TAL NSH
Total/NA	Analysis	Moisture		1			208338	11/22/14 09:54	RRS	TAL NSH

**Client Sample ID: Tract 4C TW-1 (3-13)**

**Lab Sample ID: 490-66957-2**

Date Collected: 11/19/14 15:00

Matrix: Ground Water

Date Received: 11/21/14 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210567	12/02/14 21:41	JJR	TAL NSH
Total/NA	Prep	3510C			1025 mL	1 mL	208576	11/24/14 07:05	CLM	TAL NSH
Total/NA	Analysis	8270D		1	1025 mL	1 mL	208958	11/25/14 16:52	SNR	TAL NSH
Total/NA	Prep	3510C			950 mL	5 mL	208487	11/22/14 19:11	FXM	TAL NSH
Total/NA	Analysis	8081B		1	950 mL	5 mL	212703	12/09/14 23:36	HMT	TAL NSH
Total/NA	Prep	3510C			950 mL	5 mL	208487	11/22/14 19:11	FXM	TAL NSH
Total/NA	Analysis	8082A		1	950 mL	5 mL	209618	11/27/14 17:07	MGH	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	211379	12/04/14 14:13	AJD	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	211378	12/04/14 14:13	AJD	TAL NSH
Dissolved	Analysis	6010C		1	50 mL	50 mL	214677	12/17/14 00:29	HJM	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	211379	12/04/14 14:13	AJD	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	211378	12/04/14 14:13	AJD	TAL NSH
Dissolved	Analysis	6010C		1	50 mL	50 mL	214976	12/17/14 16:30	HJM	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	211510	12/05/14 07:19	AJD	TAL NSH
Total/NA	Analysis	6010C		1	50 mL	50 mL	214078	12/14/14 17:14	ADN	TAL NSH
Dissolved	Prep	7470A			30 mL	30 mL	212404	12/09/14 08:33	AAS	TAL NSH
Dissolved	Filtration	Filtration			30 mL	30 mL	212399	12/09/14 08:33	AAS	TAL NSH
Dissolved	Analysis	7470A		1	30 mL	30 mL	213125	12/10/14 18:05	AAS	TAL NSH
Total/NA	Prep	7470A			30 mL	30 mL	216706	12/24/14 12:44	AAS	TAL NSH
Total/NA	Analysis	7470A		1	30 mL	30 mL	217315	12/29/14 15:44	AAS	TAL NSH

TestAmerica Nashville

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Client Sample ID: Tract 4A SB-1 (0-2)

## Lab Sample ID: 490-66957-3

Date Collected: 11/20/14 09:45

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.244 g	5.0 mL	208395	11/22/14 11:48	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.244 g	5.0 mL	209880	11/29/14 06:06	KKK	TAL NSH
Total/NA	Prep	3550C			35.95 g	1.00 mL	208965	11/25/14 10:45	LOJ	TAL NSH
Total/NA	Analysis	8270D		1	35.95 g	1.00 mL	209298	11/26/14 20:14	SNR	TAL NSH
Total/NA	Prep	3550C			35.44 g	10.00 mL	209484	11/26/14 14:42	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	35.44 g	10.00 mL	212364	12/09/14 01:56	HMT	TAL NSH
Total/NA	Prep	3550C			37.10 g	10.00 mL	212590	12/09/14 14:15	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	37.10 g	10.00 mL	212703	12/10/14 01:02	HMT	TAL NSH
Total/NA	Prep	3550C			35.44 g	10.00 mL	209484	11/26/14 14:42	LOJ	TAL NSH
Total/NA	Analysis	8082A		1	35.44 g	10.00 mL	209854	11/29/14 15:22	MGH	TAL NSH
Total/NA	Prep	3051A			0.497 g	100 mL	213495	12/12/14 09:47	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.497 g	100 mL	214289	12/15/14 19:43	HJM	TAL NSH
Total/NA	Prep	7471B			0.626 g	100 mL	212340	12/08/14 16:35	AAS	TAL NSH
Total/NA	Analysis	7471B		1	0.626 g	100 mL	213011	12/10/14 10:08	AAS	TAL NSH
Total/NA	Analysis	Moisture		1			208338	11/22/14 09:54	RRS	TAL NSH

## Client Sample ID: Tract 4A SB-1 (32-36)

## Lab Sample ID: 490-66957-4

Date Collected: 11/20/14 12:00

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 54.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.322 g	5.0 mL	208395	11/22/14 11:48	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.322 g	5.0 mL	209880	11/29/14 06:36	KKK	TAL NSH
Total/NA	Prep	3550C			56.50 g	1.00 mL	208965	11/25/14 10:45	LOJ	TAL NSH
Total/NA	Analysis	8270D		1	56.50 g	1.00 mL	209298	11/26/14 20:37	SNR	TAL NSH
Total/NA	Prep	3550C			54.89 g	10.00 mL	209484	11/26/14 14:42	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	54.89 g	10.00 mL	212364	12/09/14 02:08	HMT	TAL NSH
Total/NA	Prep	3550C			55.82 g	10.00 mL	212590	12/09/14 14:15	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	55.82 g	10.00 mL	212703	12/10/14 01:39	HMT	TAL NSH
Total/NA	Prep	3550C			54.89 g	10.00 mL	209484	11/26/14 14:42	LOJ	TAL NSH
Total/NA	Analysis	8082A		1	54.89 g	10.00 mL	209854	11/29/14 15:45	MGH	TAL NSH
Total/NA	Prep	3051A			0.512 g	100 mL	213495	12/12/14 09:47	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.512 g	100 mL	214289	12/15/14 19:47	HJM	TAL NSH
Total/NA	Prep	7471B			0.625 g	100 mL	212340	12/08/14 16:35	AAS	TAL NSH
Total/NA	Analysis	7471B		1	0.625 g	100 mL	213011	12/10/14 10:32	AAS	TAL NSH
Total/NA	Analysis	Moisture		1			208338	11/22/14 09:54	RRS	TAL NSH

## Client Sample ID: Tract 4A TW-1 (8-12)

## Lab Sample ID: 490-66957-5

Date Collected: 11/20/14 12:15

Matrix: Ground Water

Date Received: 11/21/14 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210567	12/02/14 22:35	JJR	TAL NSH

TestAmerica Nashville

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Tract 4A TW-1 (8-12)**

**Lab Sample ID: 490-66957-5**

**Date Collected: 11/20/14 12:15**

**Matrix: Ground Water**

**Date Received: 11/21/14 08:50**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1040 mL	1 mL	208576	11/24/14 07:05	CLM	TAL NSH
Total/NA	Analysis	8270D		1	1040 mL	1 mL	208958	11/25/14 17:14	SNR	TAL NSH
Total/NA	Prep	3510C			1050 mL	5 mL	208487	11/22/14 19:11	FXM	TAL NSH
Total/NA	Analysis	8081B		1	1050 mL	5 mL	212703	12/09/14 23:48	HMT	TAL NSH
Total/NA	Prep	3510C			1050 mL	5 mL	208487	11/22/14 19:11	FXM	TAL NSH
Total/NA	Analysis	8082A		1	1050 mL	5 mL	209618	11/27/14 17:30	MGH	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	211385	12/04/14 14:22	AJD	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	211382	12/04/14 14:22	AJD	TAL NSH
Dissolved	Analysis	6010C		1	50 mL	50 mL	214079	12/15/14 01:53	CME	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	211510	12/05/14 07:19	AJD	TAL NSH
Total/NA	Analysis	6010C		1	50 mL	50 mL	214078	12/14/14 17:18	ADN	TAL NSH
Dissolved	Prep	7470A			30 mL	30 mL	212404	12/09/14 08:33	AAS	TAL NSH
Dissolved	Filtration	Filtration			30 mL	30 mL	212399	12/09/14 08:33	AAS	TAL NSH
Dissolved	Analysis	7470A		1	30 mL	30 mL	213125	12/10/14 18:08	AAS	TAL NSH
Total/NA	Prep	7470A			30 mL	30 mL	216706	12/24/14 12:44	AAS	TAL NSH
Total/NA	Analysis	7470A		1	30 mL	30 mL	217315	12/29/14 15:46	AAS	TAL NSH

**Client Sample ID: Tract 4 SB-2 (0-2)**

**Lab Sample ID: 490-66957-6**

**Date Collected: 11/20/14 14:15**

**Matrix: Solid**

**Date Received: 11/21/14 08:50**

**Percent Solids: 84.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.021 g	5.0 mL	208395	11/22/14 11:48	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.021 g	5.0 mL	209880	11/29/14 07:06	KKK	TAL NSH
Total/NA	Prep	3550C			36.74 g	1.00 mL	208965	11/25/14 10:45	LOJ	TAL NSH
Total/NA	Analysis	8270D		1	36.74 g	1.00 mL	209298	11/26/14 21:00	SNR	TAL NSH
Total/NA	Prep	3550C			35.82 g	10.00 mL	209484	11/26/14 14:42	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	35.82 g	10.00 mL	212364	12/09/14 02:20	HMT	TAL NSH
Total/NA	Prep	3550C			37.09 g	10.00 mL	212590	12/09/14 14:15	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	37.09 g	10.00 mL	212703	12/10/14 01:51	HMT	TAL NSH
Total/NA	Prep	3550C			35.82 g	10.00 mL	209484	11/26/14 14:42	LOJ	TAL NSH
Total/NA	Analysis	8082A		1	35.82 g	10.00 mL	209854	11/29/14 16:09	MGH	TAL NSH
Total/NA	Prep	3051A			0.516 g	100 mL	213495	12/12/14 09:47	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.516 g	100 mL	214289	12/15/14 19:51	HJM	TAL NSH
Total/NA	Prep	7471B			0.596 g	100 mL	212340	12/08/14 16:35	AAS	TAL NSH
Total/NA	Analysis	7471B		1	0.596 g	100 mL	213011	12/10/14 10:35	AAS	TAL NSH
Total/NA	Analysis	Moisture		1			208338	11/22/14 09:54	RRS	TAL NSH

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

## Client Sample ID: Tract 4 SB-2 (40-44)

## Lab Sample ID: 490-66957-7

Date Collected: 11/20/14 15:40

Matrix: Solid

Date Received: 11/21/14 08:50

Percent Solids: 54.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.953 g	5.0 mL	208395	11/22/14 11:48	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.953 g	5.0 mL	209880	11/29/14 07:36	KKK	TAL NSH
Total/NA	Prep	3550C			58.30 g	1.00 mL	208965	11/25/14 10:45	LOJ	TAL NSH
Total/NA	Analysis	8270D		1	58.30 g	1.00 mL	209298	11/26/14 21:23	SNR	TAL NSH
Total/NA	Prep	3550C			55.26 g	10.00 mL	209484	11/26/14 14:49	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	55.26 g	10.00 mL	212364	12/09/14 02:33	HMT	TAL NSH
Total/NA	Prep	3550C			55.94 g	10.00 mL	212590	12/09/14 14:15	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	55.94 g	10.00 mL	212703	12/10/14 02:04	HMT	TAL NSH
Total/NA	Prep	3550C			55.26 g	10.00 mL	209484	11/26/14 14:49	LOJ	TAL NSH
Total/NA	Analysis	8082A		1	55.26 g	10.00 mL	209854	11/29/14 16:32	MGH	TAL NSH
Total/NA	Prep	3051A			0.503 g	100 mL	213495	12/12/14 09:47	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.503 g	100 mL	214289	12/15/14 19:56	HJM	TAL NSH
Total/NA	Prep	7471B			0.609 g	100 mL	212340	12/08/14 16:35	AAS	TAL NSH
Total/NA	Analysis	7471B		1	0.609 g	100 mL	213011	12/10/14 10:37	AAS	TAL NSH
Total/NA	Analysis	Moisture		1			208338	11/22/14 09:54	RRS	TAL NSH

## Client Sample ID: Tract 4 TW-2 (4-14)

## Lab Sample ID: 490-66957-8

Date Collected: 11/20/14 15:15

Matrix: Ground Water

Date Received: 11/21/14 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210567	12/02/14 23:02	JJR	TAL NSH
Total/NA	Prep	3510C			1055 mL	1 mL	208576	11/24/14 07:05	CLM	TAL NSH
Total/NA	Analysis	8270D		1	1055 mL	1 mL	208958	11/25/14 17:37	SNR	TAL NSH
Total/NA	Prep	3510C			960 mL	5 mL	208487	11/22/14 19:11	FXM	TAL NSH
Total/NA	Analysis	8081B		1	960 mL	5 mL	212703	12/10/14 00:00	HMT	TAL NSH
Total/NA	Prep	3510C			960 mL	5 mL	208487	11/22/14 19:11	FXM	TAL NSH
Total/NA	Analysis	8082A		1	960 mL	5 mL	209618	11/27/14 17:54	MGH	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	211385	12/04/14 14:22	AJD	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	211382	12/04/14 14:22	AJD	TAL NSH
Dissolved	Analysis	6010C		1	50 mL	50 mL	214079	12/15/14 02:11	CME	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	211510	12/05/14 07:19	AJD	TAL NSH
Total/NA	Analysis	6010C		1	50 mL	50 mL	214078	12/14/14 17:23	ADN	TAL NSH
Dissolved	Prep	7470A			30 mL	30 mL	212404	12/09/14 08:33	AAS	TAL NSH
Dissolved	Filtration	Filtration			30 mL	30 mL	212399	12/09/14 08:33	AAS	TAL NSH
Dissolved	Analysis	7470A		1	30 mL	30 mL	213125	12/10/14 18:10	AAS	TAL NSH
Total/NA	Prep	7470A			30 mL	30 mL	216706	12/24/14 12:44	AAS	TAL NSH
Total/NA	Analysis	7470A		1	30 mL	30 mL	217315	12/29/14 15:48	AAS	TAL NSH

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66957-9**

Date Collected: 11/20/14 01:01

Matrix: Water

Date Received: 11/21/14 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210567	12/02/14 18:32	JJR	TAL NSH

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66957-10**

Date Collected: 11/20/14 01:01

Matrix: Water

Date Received: 11/21/14 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210567	12/02/14 18:59	JJR	TAL NSH

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66957-11**

Date Collected: 11/20/14 01:01

Matrix: Water

Date Received: 11/21/14 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210567	12/02/14 19:26	JJR	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
SDG: 1131-08-554

Method	Method Description	Protocol	Laboratory
8260B	TCL VOA	SW846	TAL NSH
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
8081B	Organochlorine Pesticides (GC)	SW846	TAL NSH
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NSH
6010C	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177



# Certification Summary

Client: S&ME, Inc.  
 Project/Site: Port Access Road

TestAmerica Job ID: 490-66957-1  
 SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-15

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8081B	3510C	Ground Water	Chlordane (technical)
8081B	3550C	Solid	Chlordane (technical)
8260B		Ground Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Ground Water	Cyclohexane
8260B		Ground Water	Methyl acetate
8260B		Ground Water	Methylcyclohexane
8260B		Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Water	Cyclohexane
8260B		Water	Methyl acetate
8260B		Water	Methylcyclohexane
8260B	5035	Solid	1,1,2-Trichloro-1,2,2-trichloroethane
8260B	5035	Solid	Cyclohexane
8260B	5035	Solid	Methyl acetate
8260B	5035	Solid	Methylcyclohexane
8270D	3510C	Ground Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Ground Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Ground Water	3,3'-Dichlorobenzidine
8270D	3510C	Ground Water	Acetophenone
8270D	3510C	Ground Water	Atrazine
8270D	3510C	Ground Water	Benzaldehyde
8270D	3510C	Ground Water	Biphenyl
8270D	3510C	Ground Water	Caprolactam
8270D	3510C	Ground Water	Carbazole
8270D	3550C	Solid	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Solid	2,3,4,6-Tetrachlorophenol
8270D	3550C	Solid	3,3'-Dichlorobenzidine
8270D	3550C	Solid	Acetophenone
8270D	3550C	Solid	Atrazine
8270D	3550C	Solid	Benzaldehyde
8270D	3550C	Solid	Biphenyl
8270D	3550C	Solid	Caprolactam
8270D	3550C	Solid	Carbazole

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3510C	Ground Water	3 & 4 Methylphenol
8270D	3550C	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Solids



### COOLER RECEIPT FORM



490-66957 Chain of Custody

Cooler Received/Opened On 11/21/2014 @ 0850

1. Tracking # 4539 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 1.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO...NA

If yes, how many and where: (2) front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) mbm

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # u

I certify that I unloaded the cooler and answered questions 7-14 (initial) mbm

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) mbm

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) mbm

I certify that I attached a label with the unique LIMS number to each container (initial) mbm

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO..#

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## COOLER RECEIPT FORM

Loc: 490  
66957

Cooler Received/Opened On 11/21/2014@ 0850

1. Tracking # 4528 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 0.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: Two front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 10

I certify that I unloaded the cooler and answered questions 7-14 (initial) M

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) VD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) M

I certify that I attached a label with the unique LIMS number to each container (initial) D

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO..#

Sample used 10

## COOLER RECEIPT FORM

530502

Cooler Received/Opened On : 11/21/2014 @ 0850

Loc: 490  
66957

1. Tracking # 4517 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun: 97310166

2. Temperature of rep. sample or temp blank when opened: 2.6 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) W

7. Were custody seals on containers: YES NO and Intact YES NO NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) A

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) A

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) M

I certify that I attached a label with the unique LIMS number to each container (initial) D

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...# 152154

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**COOLER RECEIPT FORM**

Cooler Received/Opened On 11/21/2014@ 0850

1. Tracking # 4506 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 0.3 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: Two front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 9

I certify that I unloaded the cooler and answered questions 7-14 (initial) MS

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MS

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MS

I certify that I attached a label with the unique LIMS number to each container (initial) MS

21. Were there Non-Conformance issues at login? YES..NO Was a NCM generated? YES..NO...#

sample  
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## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-66957-1

SDG Number: 1131-08-554

**Login Number: 66957**

**List Number: 1**

**Creator: Buckingham, Paul**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

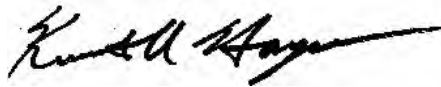
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204  
Tel: (615)726-0177

TestAmerica Job ID: 490-66802-1  
TestAmerica Sample Delivery Group: 1131-08-554  
Client Project/Site: Port Access Road

For:  
S&ME, Inc.  
620 Wando Park Boulevard  
Mt. Pleasant, South Carolina 29464

Attn: Mary Beth Cline



Authorized for release by:  
1/21/2015 4:58:23 PM

Ken Hayes, Project Manager II  
(615)301-5035  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Sample Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-66802-1	TRACT 4 SB-1 (4-8)	Soil	11/18/14 12:15	11/20/14 09:00
490-66802-2	TRACT 4 TW-1 (8-12)	Ground Water	11/18/14 14:45	11/20/14 09:00
490-66802-3	TRACT 4B SB-1 (1-3)	Soil	11/19/14 09:15	11/20/14 09:00
490-66802-4	TRACT 4B SB-1 (18-22)	Soil	11/19/14 11:30	11/20/14 09:00
490-66802-5	TRACT 4B TW-1 (6-10)	Ground Water	11/19/14 10:00	11/20/14 09:00
490-66802-6	TRACT 4C SB-1 (0-2)	Soil	11/19/14 14:45	11/20/14 09:00
490-66802-7	Trip Blank	Water	11/19/14 01:01	11/20/14 09:00
490-66802-8	Trip Blank	Water	11/19/14 01:01	11/20/14 09:00



# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Job ID: 490-66802-1**

**Laboratory: TestAmerica Nashville**

## Narrative

### Job Narrative 490-66802-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 11/20/2014 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.2° C, 3.1° C and 3.7° C.

#### GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) for batch 208476 recovered outside control limits for the following analytes: Carbon Tetrachloride, Bromomethane, and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. (LCS 490-208476/3)

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 208476 recovered outside control limits for the following analytes: 12-Dibromo-3-Chloropropane and Bromomethane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported. (LCSD 490-208476/4)

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: TRACT 4C SB-1 (0-2) (490-66802-6). Evidence of matrix interferences is not obvious. No effect on reported analyte.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 208476. (LCS 490-208476/3)

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 208878

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 208878 recovered outside control limits for several analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC/MS Semi VOA

Method(s) 8270D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 207941.

Method(s) 8270D: The laboratory control sample (LCS) for batch 207941 recovered outside control limits for the following analytes: Atrazine and Benzaldehyde. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The laboratory control sample (LCS) for batch 209735 recovered outside control limits for the following analyte: Benzaldehyde. Benzaldehyde has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC Semi VOA

Method(s) 8081B: The continuing calibration verification (CCV) associated with batch 210987 recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data has been reported. The following samples are impacted: NOV 2014 DRUM (490-66736-1), TRACT 4 SB-1 (4-8) (490-66802-1), TRACT 4B SB-1 (1-3) (490-66802-3), TRACT 4B SB-1 (18-22) (490-66802-4), TRACT 4C SB-1 (0-2) (490-66802-6).

Method(s) 8081B: The laboratory control sample (LCS) for batch 207937 recovered outside control limits for the following analytes: Endrin

# Case Narrative

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

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## Job ID: 490-66802-1 (Continued)

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### Laboratory: TestAmerica Nashville (Continued)

aldehyde. The associated sample(s) was re-prepared and/or re-analyzed outside holding time with concurring results. Initial, in-hold data has been reported.

Method(s) 8081B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 207937.

Method(s) 8081B: The continuing calibration verification (CCV) associated with batch 213072 recovered above the upper control limit for 4,4'-DDD, delta-BHC, and Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: TRACT 4 TW-1 (8-12) (490-66802-2), TRACT 4B TW-1 (6-10) (490-66802-5).

Method(s) 8081B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 212724.

Method(s) 8082A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 207937.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### Metals

Method(s) 6010C: The absolute value of Cd was above the reporting limit. ICP spectra has been manually checked and Cd can be reported as ND.

TRACT 4 TW-1 (8-12) (490-66802-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Definitions/Glossary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
H	Sample was prepped or analyzed beyond the specified holding time
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
*	LCS or LCSD exceeds the control limits

### Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
L	A negative instrument reading had an absolute value greater than the reporting limit

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4 SB-1 (4-8)**

**Lab Sample ID: 490-66802-1**

**Date Collected: 11/18/14 12:15**

**Matrix: Soil**

**Date Received: 11/20/14 09:00**

**Percent Solids: 66.0**

**Method: 8260B - TCL VOA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0475		0.0594	0.0475	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Benzene	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Bromochloromethane	<0.000654		0.00238	0.000654	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Bromodichloromethane	<0.000654		0.00238	0.000654	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Bromoform	<0.000654		0.00238	0.000654	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Bromomethane	<0.00143	*	0.00238	0.00143	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
2-Butanone (MEK)	<0.00606		0.0594	0.00606	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Carbon disulfide	<0.00428		0.00594	0.00428	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Carbon tetrachloride	<0.000796	*	0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Chlorobenzene	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Chlorodibromomethane	<0.000404		0.00238	0.000404	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Chloroethane	<0.00226		0.00594	0.00226	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Chloroform	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Chloromethane	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
cis-1,2-Dichloroethene	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
cis-1,3-Dichloropropene	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Cyclohexane	<0.00392		0.0119	0.00392	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,2-Dibromo-3-Chloropropane	<0.000832	*	0.00594	0.000832	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,2-Dibromoethane (EDB)	<0.00119		0.00238	0.00119	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,2-Dichlorobenzene	<0.000404		0.00238	0.000404	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,3-Dichlorobenzene	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,4-Dichlorobenzene	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Dichlorodifluoromethane	<0.00119		0.00238	0.00119	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,1-Dichloroethane	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,2-Dichloroethane	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,1-Dichloroethene	<0.000678		0.00238	0.000678	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,2-Dichloropropane	<0.00112		0.00238	0.00112	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Ethylbenzene	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
2-Hexanone	<0.0199		0.0594	0.0199	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Isopropylbenzene	<0.000487		0.00238	0.000487	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Methyl acetate	<0.00274	*	0.0114	0.00274	mg/Kg	☼	11/21/14 10:26	11/25/14 12:13	1
Methylcyclohexane	<0.00392		0.0119	0.00392	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Methylene Chloride	<0.00102		0.0119	0.00102	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
4-Methyl-2-pentanone (MIBK)	<0.0202		0.0594	0.0202	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Methyl tert-butyl ether	<0.00114		0.00238	0.00114	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Styrene	<0.00131		0.00238	0.00131	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,1,2,2-Tetrachloroethane	<0.00119		0.00238	0.00119	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Tetrachloroethene	<0.000868		0.00238	0.000868	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Toluene	<0.000880		0.00238	0.000880	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
trans-1,2-Dichloroethene	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
trans-1,3-Dichloropropene	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,2,3-Trichlorobenzene	<0.000452		0.00238	0.000452	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,2,4-Trichlorobenzene	<0.000796		0.00238	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,1,1-Trichloroethane	<0.00109		0.00238	0.00109	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,1,2-Trichloroethane	<0.00166		0.00594	0.00166	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Trichloroethene	<0.00114		0.00238	0.00114	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Trichlorofluoromethane	<0.00119	*	0.00238	0.00119	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000939		0.00238	0.000939	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Vinyl chloride	<0.00131		0.00238	0.00131	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4 SB-1 (4-8)**

**Lab Sample ID: 490-66802-1**

Date Collected: 11/18/14 12:15

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 66.0

**Method: 8260B - TCL VOA (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000796		0.00357	0.000796	mg/Kg	☼	11/21/14 10:26	11/23/14 09:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				11/21/14 10:26	11/23/14 09:28	1
4-Bromofluorobenzene (Surr)	102		70 - 130				11/21/14 10:26	11/25/14 12:13	1
Dibromofluoromethane (Surr)	109		70 - 130				11/21/14 10:26	11/23/14 09:28	1
Dibromofluoromethane (Surr)	105		70 - 130				11/21/14 10:26	11/25/14 12:13	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 130				11/21/14 10:26	11/23/14 09:28	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130				11/21/14 10:26	11/25/14 12:13	1
Toluene-d8 (Surr)	102		70 - 130				11/21/14 10:26	11/23/14 09:28	1
Toluene-d8 (Surr)	98		70 - 130				11/21/14 10:26	11/25/14 12:13	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00990		0.0664	0.00990	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Acenaphthylene	<0.00891		0.0664	0.00891	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Acetophenone	<0.0693		0.330	0.0693	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Anthracene	<0.00891		0.0664	0.00891	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Atrazine	<0.165		0.330	0.165	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Benzaldehyde	<0.283 *		1.65	0.283	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Benzo[a]anthracene	<0.0149		0.0664	0.0149	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Benzo[a]pyrene	<0.0119		0.0664	0.0119	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Benzo[b]fluoranthene	<0.0119		0.0664	0.0119	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Benzo[g,h,i]perylene	<0.00891		0.0664	0.00891	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Benzo[k]fluoranthene	<0.0139		0.0664	0.0139	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Biphenyl	<0.103		0.330	0.103	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Bis(2-chloroethoxy)methane	<0.0119		0.330	0.0119	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Bis(2-chloroethyl)ether	<0.0198		0.330	0.0198	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
bis(2-chloroisopropyl) ether	<0.133		0.330	0.133	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Bis(2-ethylhexyl) phthalate	<0.0129		0.330	0.0129	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
4-Bromophenyl phenyl ether	<0.0168		0.330	0.0168	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Butyl benzyl phthalate	<0.0158		0.330	0.0158	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Caprolactam	<0.107		0.330	0.107	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Carbazole	<0.00693		0.330	0.00693	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
4-Chloroaniline	<0.164		0.330	0.164	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
4-Chloro-3-methylphenol	<0.0158		0.330	0.0158	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2-Chloronaphthalene	<0.0168		0.330	0.0168	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2-Chlorophenol	<0.0149		0.330	0.0149	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
4-Chlorophenyl phenyl ether	<0.0238		0.330	0.0238	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Chrysene	<0.00891		0.0664	0.00891	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Dibenz(a,h)anthracene	<0.00693		0.0664	0.00693	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Dibenzofuran	<0.0129		0.330	0.0129	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
3,3'-Dichlorobenzidine	<0.132		0.661	0.132	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2,4-Dichlorophenol	<0.0168		0.330	0.0168	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Diethyl phthalate	<0.0139		0.330	0.0139	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2,4-Dimethylphenol	<0.190		0.330	0.190	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Dimethyl phthalate	<0.00792		1.65	0.00792	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Di-n-butyl phthalate	<0.0129		0.330	0.0129	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
4,6-Dinitro-2-methylphenol	<0.102		0.330	0.102	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2,4-Dinitrophenol	<0.109		0.330	0.109	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4 SB-1 (4-8)**

**Lab Sample ID: 490-66802-1**

**Date Collected: 11/18/14 12:15**

**Matrix: Soil**

**Date Received: 11/20/14 09:00**

**Percent Solids: 66.0**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<0.00891		0.330	0.00891	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2,6-Dinitrotoluene	<0.0307		0.330	0.0307	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Di-n-octyl phthalate	<0.0129		0.330	0.0129	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Fluoranthene	<0.00891		0.0664	0.00891	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Fluorene	<0.0119		0.0664	0.0119	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Hexachlorobenzene	<0.0287		0.330	0.0287	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Hexachlorobutadiene	<0.0693		0.330	0.0693	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Hexachlorocyclopentadiene	<0.0158		0.330	0.0158	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Hexachloroethane	<0.0198		0.330	0.0198	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Indeno[1,2,3-cd]pyrene	<0.00990		0.0664	0.00990	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Isophorone	<0.0584		0.330	0.0584	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2-Methylnaphthalene	<0.0158		0.0664	0.0158	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2-Methylphenol	<0.0921		0.330	0.0921	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
3 & 4 Methylphenol	<0.0198		0.330	0.0198	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Naphthalene	<0.00891		0.0664	0.00891	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2-Nitroaniline	<0.0178		0.825	0.0178	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
3-Nitroaniline	<0.147		0.825	0.147	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
4-Nitroaniline	<0.0297		0.825	0.0297	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Nitrobenzene	<0.0168		0.330	0.0168	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2-Nitrophenol	<0.0129		0.330	0.0129	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
4-Nitrophenol	<0.0149		0.330	0.0149	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
N-Nitrosodi-n-propylamine	<0.0208		0.330	0.0208	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0158		0.330	0.0158	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Pentachlorophenol	<0.124		0.825	0.124	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Phenanthrene	<0.00891		0.0664	0.00891	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Phenol	<0.0139		0.330	0.0139	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
Pyrene	<0.0119		0.0664	0.0119	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
1,2,4,5-Tetrachlorobenzene	<0.256		1.65	0.256	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2,3,4,6-Tetrachlorophenol	<0.167		0.330	0.167	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2,4,5-Trichlorophenol	<0.0168		0.825	0.0168	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1
2,4,6-Trichlorophenol	<0.0248		0.330	0.0248	mg/Kg	☼	11/28/14 10:57	11/30/14 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		29 - 120	11/28/14 10:57	11/30/14 19:54	1
2-Fluorophenol (Surr)	73		10 - 120	11/28/14 10:57	11/30/14 19:54	1
Nitrobenzene-d5 (Surr)	70		27 - 120	11/28/14 10:57	11/30/14 19:54	1
Phenol-d5 (Surr)	70		10 - 120	11/28/14 10:57	11/30/14 19:54	1
Terphenyl-d14 (Surr)	65		13 - 120	11/28/14 10:57	11/30/14 19:54	1
2,4,6-Tribromophenol (Surr)	72		10 - 120	11/28/14 10:57	11/30/14 19:54	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000456		0.00250	0.000456	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
alpha-BHC	<0.000294		0.00250	0.000294	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
beta-BHC	<0.000294		0.00250	0.000294	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
delta-BHC	<0.000559		0.00250	0.000559	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
gamma-BHC (Lindane)	<0.000574		0.00250	0.000574	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
alpha-Chlordane	<0.000633		0.00250	0.000633	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
gamma-Chlordane	<0.00116		0.00250	0.00116	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4 SB-1 (4-8)**

**Lab Sample ID: 490-66802-1**

**Date Collected: 11/18/14 12:15**

**Matrix: Soil**

**Date Received: 11/20/14 09:00**

**Percent Solids: 66.0**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.0534		0.0736	0.0534	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
4,4'-DDD	<0.000633		0.00250	0.000633	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
4,4'-DDE	<0.000736		0.00250	0.000736	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
4,4'-DDT	<0.00125		0.00250	0.00125	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
Dieldrin	<0.000589		0.00250	0.000589	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
Endosulfan I	<0.000692		0.00250	0.000692	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
Endosulfan II	<0.000810		0.00250	0.000810	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
Endosulfan sulfate	<0.000736		0.00250	0.000736	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
Endrin	<0.000633		0.00250	0.000633	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
Endrin aldehyde	<0.000751		0.00250	0.000751	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
Endrin ketone	<0.000869		0.00250	0.000869	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
Heptachlor	<0.000618		0.00250	0.000618	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
Heptachlor epoxide	<0.000957		0.00250	0.000957	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
Methoxychlor	<0.000721		0.00486	0.000721	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
Toxaphene	<0.0621		0.0982	0.0621	mg/Kg	☼	11/21/14 14:16	12/03/14 15:46	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	77		21 - 145				11/21/14 14:16	12/03/14 15:46	1
DCB Decachlorobiphenyl (Surr)	75		25 - 150				11/21/14 14:16	12/03/14 15:46	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0150		0.0499	0.0150	mg/Kg	☼	11/21/14 14:01	11/26/14 17:02	1
PCB-1221	<0.0150		0.0499	0.0150	mg/Kg	☼	11/21/14 14:01	11/26/14 17:02	1
PCB-1232	<0.0300		0.0499	0.0300	mg/Kg	☼	11/21/14 14:01	11/26/14 17:02	1
PCB-1242	<0.0150		0.0499	0.0150	mg/Kg	☼	11/21/14 14:01	11/26/14 17:02	1
PCB-1248	<0.0150		0.0499	0.0150	mg/Kg	☼	11/21/14 14:01	11/26/14 17:02	1
PCB-1254	<0.0150		0.0499	0.0150	mg/Kg	☼	11/21/14 14:01	11/26/14 17:02	1
PCB-1260	<0.0150		0.0499	0.0150	mg/Kg	☼	11/21/14 14:01	11/26/14 17:02	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	98		20 - 150				11/21/14 14:01	11/26/14 17:02	1
Tetrachloro-m-xylene	83		19 - 147				11/21/14 14:01	11/26/14 17:02	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>12900</b>		29.4	14.7	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
Antimony	<1.47		14.7	1.47	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
<b>Arsenic</b>	<b>11.2</b>		2.94	1.32	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
<b>Barium</b>	<b>43.7</b>		2.94	2.35	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
Beryllium	<0.589		1.47	0.589	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
<b>Cadmium</b>	<b>0.912 J</b>		1.47	0.147	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
<b>Calcium</b>	<b>90200</b>		294	147	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
<b>Chromium</b>	<b>18.5</b>		1.47	0.883	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
Cobalt	<1.47		2.94	1.47	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
<b>Copper</b>	<b>11.6</b>		2.94	1.47	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
<b>Iron</b>	<b>7940</b>		58.9	29.4	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
<b>Lead</b>	<b>69.7</b>		1.47	0.736	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
<b>Magnesium</b>	<b>442</b>		294	147	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
<b>Manganese</b>	<b>17.0</b>		4.41	1.47	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4 SB-1 (4-8)**

**Lab Sample ID: 490-66802-1**

Date Collected: 11/18/14 12:15

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 66.0

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	2.30	J	2.94	0.883	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
Potassium	506		294	147	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
Selenium	1.88	J	2.94	1.47	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
Silver	<0.736		1.47	0.736	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
Sodium	895		294	147	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
Thallium	<1.47		2.94	1.47	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
Vanadium	22.9		14.7	2.94	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1
Zinc	39.4		14.7	8.83	mg/Kg	☼	12/17/14 09:16	12/17/14 20:51	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0440	J	0.146	0.0439	mg/Kg	☼	12/06/14 10:38	12/16/14 17:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	66		0.10	0.10	%			11/21/14 09:39	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4 TW-1 (8-12)**

**Lab Sample ID: 490-66802-2**

**Date Collected: 11/18/14 14:45**

**Matrix: Ground Water**

**Date Received: 11/20/14 09:00**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		25.0	2.66	ug/L			11/30/14 23:19	1
Benzene	<0.200		1.00	0.200	ug/L			11/30/14 23:19	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			11/30/14 23:19	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			11/30/14 23:19	1
Bromoform	<0.290		1.00	0.290	ug/L			11/30/14 23:19	1
Bromomethane	<0.350		1.00	0.350	ug/L			11/30/14 23:19	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			11/30/14 23:19	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			11/30/14 23:19	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			11/30/14 23:19	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			11/30/14 23:19	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			11/30/14 23:19	1
Chloroethane	<0.360		1.00	0.360	ug/L			11/30/14 23:19	1
Chloroform	<0.230		1.00	0.230	ug/L			11/30/14 23:19	1
Chloromethane	<0.360		1.00	0.360	ug/L			11/30/14 23:19	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			11/30/14 23:19	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			11/30/14 23:19	1
Cyclohexane	<0.220		5.00	0.220	ug/L			11/30/14 23:19	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			11/30/14 23:19	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			11/30/14 23:19	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			11/30/14 23:19	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			11/30/14 23:19	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			11/30/14 23:19	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			11/30/14 23:19	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			11/30/14 23:19	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			11/30/14 23:19	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			11/30/14 23:19	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			11/30/14 23:19	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			11/30/14 23:19	1
2-Hexanone	<1.28		10.0	1.28	ug/L			11/30/14 23:19	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			11/30/14 23:19	1
Methyl acetate	<0.720		10.0	0.720	ug/L			11/30/14 23:19	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			11/30/14 23:19	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			11/30/14 23:19	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			11/30/14 23:19	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			11/30/14 23:19	1
Styrene	<0.280		1.00	0.280	ug/L			11/30/14 23:19	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			11/30/14 23:19	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			11/30/14 23:19	1
Toluene	<0.170		1.00	0.170	ug/L			11/30/14 23:19	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			11/30/14 23:19	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			11/30/14 23:19	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			11/30/14 23:19	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			11/30/14 23:19	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			11/30/14 23:19	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			11/30/14 23:19	1
Trichloroethene	<0.200		1.00	0.200	ug/L			11/30/14 23:19	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			11/30/14 23:19	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			11/30/14 23:19	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			11/30/14 23:19	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4 TW-1 (8-12)**

**Lab Sample ID: 490-66802-2**

**Date Collected: 11/18/14 14:45**

**Matrix: Ground Water**

**Date Received: 11/20/14 09:00**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			11/30/14 23:19	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	100		70 - 130					11/30/14 23:19	1
Dibromofluoromethane (Surr)	105		70 - 130					11/30/14 23:19	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 130					11/30/14 23:19	1
Toluene-d8 (Surr)	100		70 - 130					11/30/14 23:19	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.498		2.72	0.498	ug/L		11/21/14 07:08	11/21/14 23:08	1
Acenaphthylene	<0.449		2.72	0.449	ug/L		11/21/14 07:08	11/21/14 23:08	1
Acetophenone	<2.59		13.6	2.59	ug/L		11/21/14 07:08	11/21/14 23:08	1
Anthracene	<1.20		2.72	1.20	ug/L		11/21/14 07:08	11/21/14 23:08	1
Atrazine	<5.03	*	13.6	5.03	ug/L		11/21/14 07:08	11/21/14 23:08	1
Benzaldehyde	<2.93	*	13.6	2.93	ug/L		11/21/14 07:08	11/21/14 23:08	1
Benzo[a]anthracene	<0.441		2.72	0.441	ug/L		11/21/14 07:08	11/21/14 23:08	1
Benzo[a]pyrene	<0.449		2.72	0.449	ug/L		11/21/14 07:08	11/21/14 23:08	1
Benzo[b]fluoranthene	<0.574		2.72	0.574	ug/L		11/21/14 07:08	11/21/14 23:08	1
Benzo[g,h,i]perylene	<0.390		2.72	0.390	ug/L		11/21/14 07:08	11/21/14 23:08	1
Benzo[k]fluoranthene	<0.495		2.72	0.495	ug/L		11/21/14 07:08	11/21/14 23:08	1
Biphenyl	<4.53		13.6	4.53	ug/L		11/21/14 07:08	11/21/14 23:08	1
Bis(2-chloroethoxy)methane	<1.85		13.6	1.85	ug/L		11/21/14 07:08	11/21/14 23:08	1
Bis(2-chloroethyl)ether	<1.89		13.6	1.89	ug/L		11/21/14 07:08	11/21/14 23:08	1
bis (2-chloroisopropyl) ether	<2.67		13.6	2.67	ug/L		11/21/14 07:08	11/21/14 23:08	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>5.56</b>	<b>J</b>	13.6	2.80	ug/L		11/21/14 07:08	11/21/14 23:08	1
4-Bromophenyl phenyl ether	<1.86		13.6	1.86	ug/L		11/21/14 07:08	11/21/14 23:08	1
Butyl benzyl phthalate	<2.37		13.6	2.37	ug/L		11/21/14 07:08	11/21/14 23:08	1
Caprolactam	<4.53		13.6	4.53	ug/L		11/21/14 07:08	11/21/14 23:08	1
Carbazole	<0.407		13.6	0.407	ug/L		11/21/14 07:08	11/21/14 23:08	1
4-Chloroaniline	<1.59		13.6	1.59	ug/L		11/21/14 07:08	11/21/14 23:08	1
4-Chloro-3-methylphenol	<4.53		13.6	4.53	ug/L		11/21/14 07:08	11/21/14 23:08	1
2-Chloronaphthalene	<2.23		13.6	2.23	ug/L		11/21/14 07:08	11/21/14 23:08	1
2-Chlorophenol	<2.16		13.6	2.16	ug/L		11/21/14 07:08	11/21/14 23:08	1
4-Chlorophenyl phenyl ether	<2.38		13.6	2.38	ug/L		11/21/14 07:08	11/21/14 23:08	1
Chrysene	<1.48		2.72	1.48	ug/L		11/21/14 07:08	11/21/14 23:08	1
Dibenz(a,h)anthracene	<0.876		2.72	0.876	ug/L		11/21/14 07:08	11/21/14 23:08	1
Dibenzofuran	<0.461		13.6	0.461	ug/L		11/21/14 07:08	11/21/14 23:08	1
3,3'-Dichlorobenzidine	<2.07		13.6	2.07	ug/L		11/21/14 07:08	11/21/14 23:08	1
2,4-Dichlorophenol	<1.39		13.6	1.39	ug/L		11/21/14 07:08	11/21/14 23:08	1
Diethyl phthalate	<2.20		13.6	2.20	ug/L		11/21/14 07:08	11/21/14 23:08	1
2,4-Dimethylphenol	<1.36		13.6	1.36	ug/L		11/21/14 07:08	11/21/14 23:08	1
Dimethyl phthalate	<2.46		13.6	2.46	ug/L		11/21/14 07:08	11/21/14 23:08	1
Di-n-butyl phthalate	<2.04		13.6	2.04	ug/L		11/21/14 07:08	11/21/14 23:08	1
4,6-Dinitro-2-methylphenol	<2.82		34.0	2.82	ug/L		11/21/14 07:08	11/21/14 23:08	1
2,4-Dinitrophenol	<3.35		34.0	3.35	ug/L		11/21/14 07:08	11/21/14 23:08	1
2,4-Dinitrotoluene	<4.53		13.6	4.53	ug/L		11/21/14 07:08	11/21/14 23:08	1
2,6-Dinitrotoluene	<2.64		13.6	2.64	ug/L		11/21/14 07:08	11/21/14 23:08	1
Di-n-octyl phthalate	<3.14		13.6	3.14	ug/L		11/21/14 07:08	11/21/14 23:08	1
Fluoranthene	<0.472		2.72	0.472	ug/L		11/21/14 07:08	11/21/14 23:08	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4 TW-1 (8-12)**

**Lab Sample ID: 490-66802-2**

**Date Collected: 11/18/14 14:45**

**Matrix: Ground Water**

**Date Received: 11/20/14 09:00**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.430		2.72	0.430	ug/L		11/21/14 07:08	11/21/14 23:08	1
Hexachlorobenzene	<2.30		13.6	2.30	ug/L		11/21/14 07:08	11/21/14 23:08	1
Hexachlorobutadiene	<4.53		13.6	4.53	ug/L		11/21/14 07:08	11/21/14 23:08	1
Hexachlorocyclopentadiene	<4.53		13.6	4.53	ug/L		11/21/14 07:08	11/21/14 23:08	1
Hexachloroethane	<4.53		13.6	4.53	ug/L		11/21/14 07:08	11/21/14 23:08	1
Indeno[1,2,3-cd]pyrene	<0.518		2.72	0.518	ug/L		11/21/14 07:08	11/21/14 23:08	1
Isophorone	<1.69		13.6	1.69	ug/L		11/21/14 07:08	11/21/14 23:08	1
2-Methylnaphthalene	<0.423		2.72	0.423	ug/L		11/21/14 07:08	11/21/14 23:08	1
2-Methylphenol	<4.53		13.6	4.53	ug/L		11/21/14 07:08	11/21/14 23:08	1
3 & 4 Methylphenol	<4.53		13.6	4.53	ug/L		11/21/14 07:08	11/21/14 23:08	1
Naphthalene	<0.541		2.72	0.541	ug/L		11/21/14 07:08	11/21/14 23:08	1
2-Nitroaniline	<1.41		34.0	1.41	ug/L		11/21/14 07:08	11/21/14 23:08	1
3-Nitroaniline	<2.52		34.0	2.52	ug/L		11/21/14 07:08	11/21/14 23:08	1
4-Nitroaniline	<3.25		34.0	3.25	ug/L		11/21/14 07:08	11/21/14 23:08	1
Nitrobenzene	<1.69		13.6	1.69	ug/L		11/21/14 07:08	11/21/14 23:08	1
2-Nitrophenol	<2.14		13.6	2.14	ug/L		11/21/14 07:08	11/21/14 23:08	1
4-Nitrophenol	<4.53		34.0	4.53	ug/L		11/21/14 07:08	11/21/14 23:08	1
N-Nitrosodi-n-propylamine	<1.93		13.6	1.93	ug/L		11/21/14 07:08	11/21/14 23:08	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.96		13.6	1.96	ug/L		11/21/14 07:08	11/21/14 23:08	1
Pentachlorophenol	<2.24		34.0	2.24	ug/L		11/21/14 07:08	11/21/14 23:08	1
Phenanthrene	<0.467		2.72	0.467	ug/L		11/21/14 07:08	11/21/14 23:08	1
Phenol	<4.69		13.6	4.69	ug/L		11/21/14 07:08	11/21/14 23:08	1
Pyrene	<0.450		2.72	0.450	ug/L		11/21/14 07:08	11/21/14 23:08	1
1,2,4,5-Tetrachlorobenzene	<5.50		13.6	5.50	ug/L		11/21/14 07:08	11/21/14 23:08	1
2,3,4,6-Tetrachlorophenol	<4.94		13.6	4.94	ug/L		11/21/14 07:08	11/21/14 23:08	1
2,4,5-Trichlorophenol	<2.76		34.0	2.76	ug/L		11/21/14 07:08	11/21/14 23:08	1
2,4,6-Trichlorophenol	<2.39		13.6	2.39	ug/L		11/21/14 07:08	11/21/14 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	89		29 - 120				11/21/14 07:08	11/21/14 23:08	1
2-Fluorophenol (Surr)	64		10 - 120				11/21/14 07:08	11/21/14 23:08	1
Nitrobenzene-d5 (Surr)	97		27 - 120				11/21/14 07:08	11/21/14 23:08	1
Phenol-d5 (Surr)	41		10 - 120				11/21/14 07:08	11/21/14 23:08	1
Terphenyl-d14 (Surr)	74		13 - 120				11/21/14 07:08	11/21/14 23:08	1
2,4,6-Tribromophenol (Surr)	88		10 - 120				11/21/14 07:08	11/21/14 23:08	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00567		0.0240	0.00567	ug/L		11/21/14 05:58	12/08/14 21:17	1
alpha-BHC	<0.0107		0.0240	0.0107	ug/L		11/21/14 05:58	12/08/14 21:17	1
beta-BHC	<0.00673		0.0240	0.00673	ug/L		11/21/14 05:58	12/08/14 21:17	1
delta-BHC	<0.00740		0.0240	0.00740	ug/L		11/21/14 05:58	12/08/14 21:17	1
gamma-BHC (Lindane)	<0.00548		0.0240	0.00548	ug/L		11/21/14 05:58	12/08/14 21:17	1
alpha-Chlordane	<0.00510		0.0240	0.00510	ug/L		11/21/14 05:58	12/08/14 21:17	1
gamma-Chlordane	<0.0173		0.0240	0.0173	ug/L		11/21/14 05:58	12/08/14 21:17	1
Chlordane (technical)	<0.176		1.92	0.176	ug/L		11/21/14 05:58	12/08/14 21:17	1
4,4'-DDD	<0.00740		0.0240	0.00740	ug/L		11/21/14 05:58	12/08/14 21:17	1
4,4'-DDE	<0.00952		0.0240	0.00952	ug/L		11/21/14 05:58	12/08/14 21:17	1
4,4'-DDT	<0.00856		0.0240	0.00856	ug/L		11/21/14 05:58	12/08/14 21:17	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4 TW-1 (8-12)**

**Lab Sample ID: 490-66802-2**

Date Collected: 11/18/14 14:45

Matrix: Ground Water

Date Received: 11/20/14 09:00

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.00548		0.0240	0.00548	ug/L		11/21/14 05:58	12/08/14 21:17	1
Endosulfan I	<0.00750		0.0240	0.00750	ug/L		11/21/14 05:58	12/08/14 21:17	1
Endosulfan II	<0.00519		0.0240	0.00519	ug/L		11/21/14 05:58	12/08/14 21:17	1
Endosulfan sulfate	<0.00625		0.0240	0.00625	ug/L		11/21/14 05:58	12/08/14 21:17	1
Endrin	<0.00635		0.0240	0.00635	ug/L		11/21/14 05:58	12/08/14 21:17	1
Endrin aldehyde	<0.00837	*	0.0240	0.00837	ug/L		11/21/14 05:58	12/08/14 21:17	1
Endrin ketone	<0.00625		0.0240	0.00625	ug/L		11/21/14 05:58	12/08/14 21:17	1
Heptachlor	<0.00548		0.0240	0.00548	ug/L		11/21/14 05:58	12/08/14 21:17	1
Heptachlor epoxide	<0.00673		0.0240	0.00673	ug/L		11/21/14 05:58	12/08/14 21:17	1
Methoxychlor	<0.00510		0.0240	0.00510	ug/L		11/21/14 05:58	12/08/14 21:17	1
Toxaphene	<0.0397		1.92	0.0397	ug/L		11/21/14 05:58	12/08/14 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	76		38 - 150	11/21/14 05:58	12/08/14 21:17	1
DCB Decachlorobiphenyl (Surr)	39		10 - 141	11/21/14 05:58	12/08/14 21:17	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0471		0.481	0.0471	ug/L		11/21/14 05:58	11/27/14 00:00	1
PCB-1221	<0.250		0.481	0.250	ug/L		11/21/14 05:58	11/27/14 00:00	1
PCB-1232	<0.0673		0.481	0.0673	ug/L		11/21/14 05:58	11/27/14 00:00	1
PCB-1242	<0.0615		0.481	0.0615	ug/L		11/21/14 05:58	11/27/14 00:00	1
PCB-1248	<0.0663		0.481	0.0663	ug/L		11/21/14 05:58	11/27/14 00:00	1
PCB-1254	<0.00673		0.481	0.00673	ug/L		11/21/14 05:58	11/27/14 00:00	1
PCB-1260	<0.0115		0.481	0.0115	ug/L		11/21/14 05:58	11/27/14 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	55		10 - 150	11/21/14 05:58	11/27/14 00:00	1
Tetrachloro-m-xylene	84		10 - 150	11/21/14 05:58	11/27/14 00:00	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>123</b>		0.100	0.0500	mg/L		12/05/14 07:16	12/16/14 17:51	1
Antimony	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Arsenic</b>	<b>0.0598</b>		0.0100	0.00720	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Barium</b>	<b>0.585</b>		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Beryllium</b>	<b>0.00630</b>		0.00400	0.00200	mg/L		12/05/14 07:16	12/16/14 17:51	1
Cadmium	<0.000500	L	0.00100	0.000500	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Calcium</b>	<b>487</b>		1.00	0.500	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Chromium</b>	<b>0.248</b>		0.00500	0.00300	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Cobalt</b>	<b>0.0133</b>		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Copper</b>	<b>0.00650</b>	J	0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Iron</b>	<b>117</b>		0.100	0.0500	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Lead</b>	<b>0.0611</b>		0.00500	0.00200	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Magnesium</b>	<b>8.62</b>		1.00	0.500	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Manganese</b>	<b>0.812</b>		0.0150	0.00500	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Nickel</b>	<b>0.0768</b>		0.0100	0.00300	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Potassium</b>	<b>10.8</b>		1.00	0.500	mg/L		12/05/14 07:16	12/16/14 17:51	1
Selenium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Silver</b>	<b>0.00480</b>	J	0.00500	0.00250	mg/L		12/05/14 07:16	12/16/14 17:51	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4 TW-1 (8-12)**

**Lab Sample ID: 490-66802-2**

Date Collected: 11/18/14 14:45

Matrix: Ground Water

Date Received: 11/20/14 09:00

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>24.9</b>		1.00	0.500	mg/L		12/05/14 07:16	12/16/14 17:51	1
Thallium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Vanadium</b>	<b>0.143</b>		0.0200	0.0100	mg/L		12/05/14 07:16	12/16/14 17:51	1
<b>Zinc</b>	<b>0.0782</b>		0.0500	0.0300	mg/L		12/05/14 07:16	12/16/14 17:51	1

**Method: 6010C - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.121</b>		0.100	0.0500	mg/L		11/26/14 14:51	01/14/15 03:49	1
Antimony	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/14/15 03:49	1
<b>Arsenic</b>	<b>0.0339</b>		0.0100	0.00720	mg/L		11/26/14 14:51	01/14/15 03:49	1
Barium	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/14/15 03:49	1
Beryllium	<0.0200		0.0400	0.0200	mg/L		11/26/14 14:51	01/18/15 16:52	10
Cadmium	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/18/15 16:52	10
<b>Calcium</b>	<b>525</b>		10.0	5.00	mg/L		11/26/14 14:51	01/18/15 16:52	10
Chromium	<0.00300		0.00500	0.00300	mg/L		11/26/14 14:51	01/14/15 03:49	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/14/15 03:49	1
Copper	<0.0500		0.100	0.0500	mg/L		11/26/14 14:51	01/18/15 16:52	10
<b>Iron</b>	<b>19.6</b>		1.00	0.500	mg/L		11/26/14 14:51	01/18/15 16:52	10
<b>Lead</b>	<b>0.00790</b>		0.00500	0.00200	mg/L		11/26/14 14:51	01/14/15 03:49	1
<b>Magnesium</b>	<b>5.56</b>	J	10.0	5.00	mg/L		11/26/14 14:51	01/18/15 16:52	10
<b>Manganese</b>	<b>0.716</b>		0.0150	0.00500	mg/L		11/26/14 14:51	01/14/15 03:49	1
Nickel	<0.00300		0.0100	0.00300	mg/L		11/26/14 14:51	01/14/15 03:49	1
<b>Potassium</b>	<b>6.86</b>	J	10.0	5.00	mg/L		11/26/14 14:51	01/21/15 15:25	10
Selenium	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/14/15 03:49	1
Silver	<0.00250		0.00500	0.00250	mg/L		11/26/14 14:51	01/14/15 03:49	1
<b>Sodium</b>	<b>24.1</b>		10.0	5.00	mg/L		11/26/14 14:51	01/21/15 15:25	10
Thallium	<0.0500		0.100	0.0500	mg/L		11/26/14 14:51	01/20/15 20:24	10
Vanadium	<0.100		0.200	0.100	mg/L		11/26/14 14:51	01/18/15 16:52	10
Zinc	<0.0300		0.0500	0.0300	mg/L		11/26/14 14:51	01/14/15 03:49	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		12/04/14 11:54	12/06/14 14:13	1

**Method: 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		12/09/14 08:16	12/10/14 17:02	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B SB-1 (1-3)**

**Lab Sample ID: 490-66802-3**

**Date Collected: 11/19/14 09:15**

**Matrix: Soil**

**Date Received: 11/20/14 09:00**

**Percent Solids: 82.9**

**Method: 8260B - TCL VOA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0328		0.0411	0.0328	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Benzene	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Bromochloromethane	<0.000452		0.00164	0.000452	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Bromodichloromethane	<0.000452		0.00164	0.000452	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Bromoform	<0.000452		0.00164	0.000452	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Bromomethane	<0.000985	*	0.00164	0.000985	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
2-Butanone (MEK)	<0.00419		0.0411	0.00419	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Carbon disulfide	<0.00296		0.00411	0.00296	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Carbon tetrachloride	<0.000550	*	0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Chlorobenzene	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Chlorodibromomethane	<0.000279		0.00164	0.000279	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Chloroethane	<0.00156		0.00411	0.00156	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Chloroform	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Chloromethane	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
cis-1,2-Dichloroethene	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
cis-1,3-Dichloropropene	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Cyclohexane	<0.00271		0.00821	0.00271	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,2-Dibromo-3-Chloropropane	<0.000575	*	0.00411	0.000575	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,2-Dibromoethane (EDB)	<0.000821		0.00164	0.000821	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,2-Dichlorobenzene	<0.000279		0.00164	0.000279	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,3-Dichlorobenzene	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,4-Dichlorobenzene	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Dichlorodifluoromethane	<0.000821		0.00164	0.000821	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,1-Dichloroethane	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,2-Dichloroethane	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,1-Dichloroethene	<0.000468		0.00164	0.000468	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,2-Dichloropropane	<0.000772		0.00164	0.000772	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Ethylbenzene	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
2-Hexanone	<0.0137		0.0411	0.0137	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Isopropylbenzene	<0.000337		0.00164	0.000337	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Methyl acetate	<0.00214	*	0.00893	0.00214	mg/Kg	☼	11/21/14 10:26	11/25/14 12:40	1
Methylcyclohexane	<0.00271		0.00821	0.00271	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Methylene Chloride	<0.000706		0.00821	0.000706	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
4-Methyl-2-pentanone (MIBK)	<0.0140		0.0411	0.0140	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Methyl tert-butyl ether	<0.000788		0.00164	0.000788	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Styrene	<0.000903		0.00164	0.000903	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,1,2,2-Tetrachloroethane	<0.000821		0.00164	0.000821	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Tetrachloroethene	<0.000599		0.00164	0.000599	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Toluene	<0.000608		0.00164	0.000608	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
trans-1,2-Dichloroethene	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
trans-1,3-Dichloropropene	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,2,3-Trichlorobenzene	<0.000312		0.00164	0.000312	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,2,4-Trichlorobenzene	<0.000550		0.00164	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,1,1-Trichloroethane	<0.000755		0.00164	0.000755	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,1,2-Trichloroethane	<0.00115		0.00411	0.00115	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Trichloroethene	<0.000788		0.00164	0.000788	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Trichlorofluoromethane	<0.000821	*	0.00164	0.000821	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000649		0.00164	0.000649	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Vinyl chloride	<0.000903		0.00164	0.000903	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B SB-1 (1-3)**

**Lab Sample ID: 490-66802-3**

Date Collected: 11/19/14 09:15

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 82.9

**Method: 8260B - TCL VOA (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000550		0.00246	0.000550	mg/Kg	☼	11/21/14 10:26	11/23/14 09:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				11/21/14 10:26	11/23/14 09:57	1
4-Bromofluorobenzene (Surr)	93		70 - 130				11/21/14 10:26	11/25/14 12:40	1
Dibromofluoromethane (Surr)	107		70 - 130				11/21/14 10:26	11/23/14 09:57	1
Dibromofluoromethane (Surr)	105		70 - 130				11/21/14 10:26	11/25/14 12:40	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 130				11/21/14 10:26	11/23/14 09:57	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 130				11/21/14 10:26	11/25/14 12:40	1
Toluene-d8 (Surr)	97		70 - 130				11/21/14 10:26	11/23/14 09:57	1
Toluene-d8 (Surr)	96		70 - 130				11/21/14 10:26	11/25/14 12:40	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00932		0.0624	0.00932	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Acenaphthylene	<0.00839		0.0624	0.00839	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Acetophenone	<0.0652		0.310	0.0652	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Anthracene	<0.00839		0.0624	0.00839	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Atrazine	<0.156		0.310	0.156	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Benzaldehyde	<0.267 *		1.56	0.267	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Benzo[a]anthracene	<0.0140		0.0624	0.0140	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Benzo[a]pyrene	<0.0112		0.0624	0.0112	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Benzo[b]fluoranthene	<0.0112		0.0624	0.0112	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Benzo[g,h,i]perylene	<0.00839		0.0624	0.00839	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Benzo[k]fluoranthene	<0.0130		0.0624	0.0130	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Biphenyl	<0.0969		0.310	0.0969	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Bis(2-chloroethoxy)methane	<0.0112		0.310	0.0112	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Bis(2-chloroethyl)ether	<0.0186		0.310	0.0186	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
bis (2-chloroisopropyl) ether	<0.125		0.310	0.125	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.0467 J</b>		0.310	0.0121	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
4-Bromophenyl phenyl ether	<0.0158		0.310	0.0158	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Butyl benzyl phthalate	<0.0149		0.310	0.0149	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Caprolactam	<0.101		0.310	0.101	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Carbazole	<0.00652		0.310	0.00652	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
4-Chloroaniline	<0.155		0.310	0.155	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
4-Chloro-3-methylphenol	<0.0149		0.310	0.0149	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2-Chloronaphthalene	<0.0158		0.310	0.0158	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2-Chlorophenol	<0.0140		0.310	0.0140	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
4-Chlorophenyl phenyl ether	<0.0224		0.310	0.0224	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Chrysene	<0.00839		0.0624	0.00839	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Dibenz(a,h)anthracene	<0.00652		0.0624	0.00652	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Dibenzofuran	<0.0121		0.310	0.0121	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
3,3'-Dichlorobenzidine	<0.124		0.622	0.124	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2,4-Dichlorophenol	<0.0158		0.310	0.0158	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Diethyl phthalate	<0.0130		0.310	0.0130	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2,4-Dimethylphenol	<0.179		0.310	0.179	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Dimethyl phthalate	<0.00746		1.56	0.00746	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Di-n-butyl phthalate	<0.0121		0.310	0.0121	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
4,6-Dinitro-2-methylphenol	<0.0960		0.310	0.0960	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2,4-Dinitrophenol	<0.103		0.310	0.103	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B SB-1 (1-3)**

**Lab Sample ID: 490-66802-3**

**Date Collected: 11/19/14 09:15**

**Matrix: Soil**

**Date Received: 11/20/14 09:00**

**Percent Solids: 82.9**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<0.00839		0.310	0.00839	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2,6-Dinitrotoluene	<0.0289		0.310	0.0289	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Di-n-octyl phthalate	<0.0121		0.310	0.0121	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Fluoranthene	<0.00839		0.0624	0.00839	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Fluorene	<0.0112		0.0624	0.0112	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Hexachlorobenzene	<0.0270		0.310	0.0270	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Hexachlorobutadiene	<0.0652		0.310	0.0652	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Hexachlorocyclopentadiene	<0.0149		0.310	0.0149	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Hexachloroethane	<0.0186		0.310	0.0186	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Indeno[1,2,3-cd]pyrene	<0.00932		0.0624	0.00932	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Isophorone	<0.0550		0.310	0.0550	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2-Methylnaphthalene	<0.0149		0.0624	0.0149	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2-Methylphenol	<0.0867		0.310	0.0867	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
3 & 4 Methylphenol	<0.0186		0.310	0.0186	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Naphthalene	<0.00839		0.0624	0.00839	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2-Nitroaniline	<0.0168		0.776	0.0168	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
3-Nitroaniline	<0.138		0.776	0.138	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
4-Nitroaniline	<0.0280		0.776	0.0280	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Nitrobenzene	<0.0158		0.310	0.0158	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2-Nitrophenol	<0.0121		0.310	0.0121	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
4-Nitrophenol	<0.0140		0.310	0.0140	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
N-Nitrosodi-n-propylamine	<0.0196		0.310	0.0196	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0149		0.310	0.0149	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Pentachlorophenol	<0.116		0.776	0.116	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Phenanthrene	<0.00839		0.0624	0.00839	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Phenol	<0.0130		0.310	0.0130	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
Pyrene	<0.0112		0.0624	0.0112	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
1,2,4,5-Tetrachlorobenzene	<0.240		1.56	0.240	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2,3,4,6-Tetrachlorophenol	<0.157		0.310	0.157	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2,4,5-Trichlorophenol	<0.0158		0.776	0.0158	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1
2,4,6-Trichlorophenol	<0.0233		0.310	0.0233	mg/Kg	☼	11/28/14 10:57	11/30/14 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		29 - 120	11/28/14 10:57	11/30/14 20:17	1
2-Fluorophenol (Surr)	74		10 - 120	11/28/14 10:57	11/30/14 20:17	1
Nitrobenzene-d5 (Surr)	75		27 - 120	11/28/14 10:57	11/30/14 20:17	1
Phenol-d5 (Surr)	76		10 - 120	11/28/14 10:57	11/30/14 20:17	1
Terphenyl-d14 (Surr)	76		13 - 120	11/28/14 10:57	11/30/14 20:17	1
2,4,6-Tribromophenol (Surr)	79		10 - 120	11/28/14 10:57	11/30/14 20:17	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000370		0.00203	0.000370	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
alpha-BHC	<0.000239		0.00203	0.000239	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
beta-BHC	<0.000239		0.00203	0.000239	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
delta-BHC	<0.000454		0.00203	0.000454	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
gamma-BHC (Lindane)	<0.000466		0.00203	0.000466	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
alpha-Chlordane	<0.000513		0.00203	0.000513	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
gamma-Chlordane	<0.000943		0.00203	0.000943	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B SB-1 (1-3)**

**Lab Sample ID: 490-66802-3**

Date Collected: 11/19/14 09:15

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 82.9

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.0433		0.0597	0.0433	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
4,4'-DDD	<0.000513		0.00203	0.000513	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
4,4'-DDE	<0.000597		0.00203	0.000597	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
4,4'-DDT	<0.00101		0.00203	0.00101	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
Dieldrin	<0.000477		0.00203	0.000477	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
Endosulfan I	<0.000561		0.00203	0.000561	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
Endosulfan II	<0.000657		0.00203	0.000657	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
Endosulfan sulfate	<0.000597		0.00203	0.000597	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
Endrin	<0.000513		0.00203	0.000513	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
Endrin aldehyde	<0.000609		0.00203	0.000609	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
Endrin ketone	<0.000704		0.00203	0.000704	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
Heptachlor	<0.000501		0.00203	0.000501	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
Heptachlor epoxide	<0.000776		0.00203	0.000776	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
Methoxychlor	<0.000585		0.00394	0.000585	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
Toxaphene	<0.0504		0.0796	0.0504	mg/Kg	☼	11/21/14 14:16	12/03/14 15:59	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	87		21 - 145				11/21/14 14:16	12/03/14 15:59	1
DCB Decachlorobiphenyl (Surr)	82		25 - 150				11/21/14 14:16	12/03/14 15:59	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0119		0.0396	0.0119	mg/Kg	☼	11/21/14 14:01	11/26/14 17:25	1
PCB-1221	<0.0119		0.0396	0.0119	mg/Kg	☼	11/21/14 14:01	11/26/14 17:25	1
PCB-1232	<0.0238		0.0396	0.0238	mg/Kg	☼	11/21/14 14:01	11/26/14 17:25	1
PCB-1242	<0.0119		0.0396	0.0119	mg/Kg	☼	11/21/14 14:01	11/26/14 17:25	1
PCB-1248	<0.0119		0.0396	0.0119	mg/Kg	☼	11/21/14 14:01	11/26/14 17:25	1
PCB-1254	<0.0119		0.0396	0.0119	mg/Kg	☼	11/21/14 14:01	11/26/14 17:25	1
PCB-1260	<0.0119		0.0396	0.0119	mg/Kg	☼	11/21/14 14:01	11/26/14 17:25	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	99		20 - 150				11/21/14 14:01	11/26/14 17:25	1
Tetrachloro-m-xylene	82		19 - 147				11/21/14 14:01	11/26/14 17:25	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>12700</b>		24.2	12.1	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
Antimony	<1.21		12.1	1.21	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
<b>Arsenic</b>	<b>2.68</b>		2.42	1.09	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
<b>Barium</b>	<b>31.2</b>		2.42	1.93	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
Beryllium	<0.483		1.21	0.483	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
Cadmium	<0.121		1.21	0.121	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
<b>Calcium</b>	<b>1190</b>		242	121	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
<b>Chromium</b>	<b>16.2</b>		1.21	0.725	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
Cobalt	<1.21		2.42	1.21	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
Copper	<1.21		2.42	1.21	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
<b>Iron</b>	<b>7490</b>		48.3	24.2	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
<b>Lead</b>	<b>9.40</b>		1.21	0.604	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
<b>Magnesium</b>	<b>694</b>		242	121	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
<b>Manganese</b>	<b>19.4</b>		3.62	1.21	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B SB-1 (1-3)**

**Lab Sample ID: 490-66802-3**

Date Collected: 11/19/14 09:15

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 82.9

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	2.66		2.42	0.725	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
Potassium	406		242	121	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
Selenium	<1.21		2.42	1.21	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
Silver	<0.604		1.21	0.604	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
Sodium	182	J	242	121	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
Thallium	<1.21		2.42	1.21	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
Vanadium	14.9		12.1	2.42	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1
Zinc	8.87	J	12.1	7.25	mg/Kg	☼	12/17/14 09:16	12/17/14 21:21	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0349		0.116	0.0349	mg/Kg	☼	12/06/14 10:38	12/16/14 17:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10	0.10	%			11/21/14 09:39	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B SB-1 (18-22)**

**Lab Sample ID: 490-66802-4**

Date Collected: 11/19/14 11:30

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 51.2

**Method: 8260B - TCL VOA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.294		0.106	0.0846	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Benzene	0.00154	J	0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Bromochloromethane	<0.00116		0.00423	0.00116	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Bromodichloromethane	<0.00116		0.00423	0.00116	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Bromoform	<0.00116		0.00423	0.00116	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Bromomethane	<0.00254	*	0.00423	0.00254	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
2-Butanone (MEK)	0.0445	J	0.106	0.0108	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Carbon disulfide	0.0372		0.0106	0.00762	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Carbon tetrachloride	<0.00142	*	0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Chlorobenzene	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Chlorodibromomethane	<0.000719		0.00423	0.000719	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Chloroethane	<0.00402		0.0106	0.00402	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Chloroform	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Chloromethane	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
cis-1,2-Dichloroethene	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
cis-1,3-Dichloropropene	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Cyclohexane	<0.00698		0.0212	0.00698	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,2-Dibromo-3-Chloropropane	<0.00148	*	0.0106	0.00148	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,2-Dibromoethane (EDB)	<0.00212		0.00423	0.00212	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,2-Dichlorobenzene	<0.000719		0.00423	0.000719	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,3-Dichlorobenzene	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,4-Dichlorobenzene	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Dichlorodifluoromethane	<0.00212		0.00423	0.00212	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,1-Dichloroethane	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,2-Dichloroethane	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,1-Dichloroethene	<0.00121		0.00423	0.00121	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,2-Dichloropropane	<0.00199		0.00423	0.00199	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Ethylbenzene	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
2-Hexanone	<0.0353		0.106	0.0353	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Isopropylbenzene	<0.000867		0.00423	0.000867	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Methyl acetate	<0.00485	*	0.0202	0.00485	mg/Kg	☼	11/21/14 10:26	11/25/14 13:34	1
Methylcyclohexane	<0.00698		0.0212	0.00698	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Methylene Chloride	<0.00182		0.0212	0.00182	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
4-Methyl-2-pentanone (MIBK)	<0.0360		0.106	0.0360	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Methyl tert-butyl ether	<0.00203		0.00423	0.00203	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Styrene	<0.00233		0.00423	0.00233	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,1,2,2-Tetrachloroethane	<0.00212		0.00423	0.00212	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Tetrachloroethene	<0.00154		0.00423	0.00154	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Toluene	<0.00157		0.00423	0.00157	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
trans-1,2-Dichloroethene	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
trans-1,3-Dichloropropene	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,2,3-Trichlorobenzene	<0.000804		0.00423	0.000804	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,2,4-Trichlorobenzene	<0.00142		0.00423	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,1,1-Trichloroethane	<0.00195		0.00423	0.00195	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,1,2-Trichloroethane	<0.00296		0.0106	0.00296	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Trichloroethene	<0.00203		0.00423	0.00203	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Trichlorofluoromethane	<0.00212	*	0.00423	0.00212	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.00167		0.00423	0.00167	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Vinyl chloride	<0.00233		0.00423	0.00233	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B SB-1 (18-22)**

**Lab Sample ID: 490-66802-4**

Date Collected: 11/19/14 11:30

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 51.2

**Method: 8260B - TCL VOA (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00142		0.00635	0.00142	mg/Kg	☼	11/21/14 10:26	11/23/14 10:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				11/21/14 10:26	11/23/14 10:24	1
4-Bromofluorobenzene (Surr)	97		70 - 130				11/21/14 10:26	11/25/14 13:34	1
Dibromofluoromethane (Surr)	103		70 - 130				11/21/14 10:26	11/23/14 10:24	1
Dibromofluoromethane (Surr)	106		70 - 130				11/21/14 10:26	11/25/14 13:34	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130				11/21/14 10:26	11/23/14 10:24	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130				11/21/14 10:26	11/25/14 13:34	1
Toluene-d8 (Surr)	101		70 - 130				11/21/14 10:26	11/23/14 10:24	1
Toluene-d8 (Surr)	100		70 - 130				11/21/14 10:26	11/25/14 13:34	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00994		0.0666	0.00994	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Acenaphthylene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Acetophenone	<0.0696		0.331	0.0696	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Anthracene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Atrazine	<0.166		0.331	0.166	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Benzaldehyde	<0.284 *		1.66	0.284	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Benzo[a]anthracene	<0.0149		0.0666	0.0149	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Benzo[a]pyrene	<0.0119		0.0666	0.0119	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Benzo[b]fluoranthene	<0.0119		0.0666	0.0119	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Benzo[g,h,i]perylene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Benzo[k]fluoranthene	<0.0139		0.0666	0.0139	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Biphenyl	<0.103		0.331	0.103	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Bis(2-chloroethoxy)methane	<0.0119		0.331	0.0119	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Bis(2-chloroethyl)ether	<0.0199		0.331	0.0199	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
bis(2-chloroisopropyl) ether	<0.133		0.331	0.133	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Bis(2-ethylhexyl) phthalate	<0.0129		0.331	0.0129	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
4-Bromophenyl phenyl ether	<0.0169		0.331	0.0169	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Butyl benzyl phthalate	<0.0159		0.331	0.0159	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Caprolactam	<0.107		0.331	0.107	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Carbazole	<0.00696		0.331	0.00696	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
4-Chloroaniline	<0.165		0.331	0.165	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
4-Chloro-3-methylphenol	<0.0159		0.331	0.0159	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2-Chloronaphthalene	<0.0169		0.331	0.0169	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2-Chlorophenol	<0.0149		0.331	0.0149	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
4-Chlorophenyl phenyl ether	<0.0239		0.331	0.0239	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Chrysene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Dibenz(a,h)anthracene	<0.00696		0.0666	0.00696	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Dibenzofuran	<0.0129		0.331	0.0129	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
3,3'-Dichlorobenzidine	<0.132		0.663	0.132	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2,4-Dichlorophenol	<0.0169		0.331	0.0169	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Diethyl phthalate	<0.0139		0.331	0.0139	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2,4-Dimethylphenol	<0.191		0.331	0.191	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Dimethyl phthalate	<0.00795		1.66	0.00795	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Di-n-butyl phthalate	<0.0129		0.331	0.0129	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
4,6-Dinitro-2-methylphenol	<0.102		0.331	0.102	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2,4-Dinitrophenol	<0.109		0.331	0.109	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B SB-1 (18-22)**

**Lab Sample ID: 490-66802-4**

**Date Collected: 11/19/14 11:30**

**Matrix: Soil**

**Date Received: 11/20/14 09:00**

**Percent Solids: 51.2**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<0.00895		0.331	0.00895	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2,6-Dinitrotoluene	<0.0308		0.331	0.0308	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Di-n-octyl phthalate	<0.0129		0.331	0.0129	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Fluoranthene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Fluorene	<0.0119		0.0666	0.0119	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Hexachlorobenzene	<0.0288		0.331	0.0288	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Hexachlorobutadiene	<0.0696		0.331	0.0696	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Hexachlorocyclopentadiene	<0.0159		0.331	0.0159	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Hexachloroethane	<0.0199		0.331	0.0199	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Indeno[1,2,3-cd]pyrene	<0.00994		0.0666	0.00994	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Isophorone	<0.0586		0.331	0.0586	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2-Methylnaphthalene	<0.0159		0.0666	0.0159	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2-Methylphenol	<0.0924		0.331	0.0924	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
3 & 4 Methylphenol	<0.0199		0.331	0.0199	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Naphthalene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2-Nitroaniline	<0.0179		0.828	0.0179	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
3-Nitroaniline	<0.147		0.828	0.147	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
4-Nitroaniline	<0.0298		0.828	0.0298	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Nitrobenzene	<0.0169		0.331	0.0169	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2-Nitrophenol	<0.0129		0.331	0.0129	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
4-Nitrophenol	<0.0149		0.331	0.0149	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
N-Nitrosodi-n-propylamine	<0.0209		0.331	0.0209	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0159		0.331	0.0159	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Pentachlorophenol	<0.124		0.828	0.124	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Phenanthrene	<0.00895		0.0666	0.00895	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Phenol	<0.0139		0.331	0.0139	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
Pyrene	<0.0119		0.0666	0.0119	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
1,2,4,5-Tetrachlorobenzene	<0.256		1.66	0.256	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2,3,4,6-Tetrachlorophenol	<0.168		0.331	0.168	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2,4,5-Trichlorophenol	<0.0169		0.828	0.0169	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1
2,4,6-Trichlorophenol	<0.0249		0.331	0.0249	mg/Kg	☼	11/28/14 10:57	11/30/14 20:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		29 - 120	11/28/14 10:57	11/30/14 20:40	1
2-Fluorophenol (Surr)	87		10 - 120	11/28/14 10:57	11/30/14 20:40	1
Nitrobenzene-d5 (Surr)	86		27 - 120	11/28/14 10:57	11/30/14 20:40	1
Phenol-d5 (Surr)	87		10 - 120	11/28/14 10:57	11/30/14 20:40	1
Terphenyl-d14 (Surr)	86		13 - 120	11/28/14 10:57	11/30/14 20:40	1
2,4,6-Tribromophenol (Surr)	90		10 - 120	11/28/14 10:57	11/30/14 20:40	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000595		0.00326	0.000595	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
alpha-BHC	<0.000384		0.00326	0.000384	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
beta-BHC	<0.000384		0.00326	0.000384	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
delta-BHC	<0.000729		0.00326	0.000729	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
gamma-BHC (Lindane)	<0.000748		0.00326	0.000748	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
alpha-Chlordane	<0.000825		0.00326	0.000825	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
gamma-Chlordane	<0.00152		0.00326	0.00152	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B SB-1 (18-22)**

**Lab Sample ID: 490-66802-4**

Date Collected: 11/19/14 11:30

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 51.2

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.0697		0.0959	0.0697	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
4,4'-DDD	<0.000825		0.00326	0.000825	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
4,4'-DDE	<0.000959		0.00326	0.000959	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
4,4'-DDT	<0.00163		0.00326	0.00163	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
Dieldrin	<0.000768		0.00326	0.000768	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
Endosulfan I	<0.000902		0.00326	0.000902	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
Endosulfan II	<0.00106		0.00326	0.00106	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
Endosulfan sulfate	<0.000959		0.00326	0.000959	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
Endrin	<0.000825		0.00326	0.000825	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
Endrin aldehyde	<0.000979		0.00326	0.000979	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
Endrin ketone	<0.00113		0.00326	0.00113	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
Heptachlor	<0.000806		0.00326	0.000806	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
Heptachlor epoxide	<0.00125		0.00326	0.00125	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
Methoxychlor	<0.000940		0.00633	0.000940	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
Toxaphene	<0.0810		0.128	0.0810	mg/Kg	☼	11/21/14 14:16	12/03/14 16:11	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	88		21 - 145				11/21/14 14:16	12/03/14 16:11	1
DCB Decachlorobiphenyl (Surr)	86		25 - 150				11/21/14 14:16	12/03/14 16:11	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0192		0.0640	0.0192	mg/Kg	☼	11/21/14 14:01	11/26/14 17:48	1
PCB-1221	<0.0192		0.0640	0.0192	mg/Kg	☼	11/21/14 14:01	11/26/14 17:48	1
PCB-1232	<0.0385		0.0640	0.0385	mg/Kg	☼	11/21/14 14:01	11/26/14 17:48	1
PCB-1242	<0.0192		0.0640	0.0192	mg/Kg	☼	11/21/14 14:01	11/26/14 17:48	1
PCB-1248	<0.0192		0.0640	0.0192	mg/Kg	☼	11/21/14 14:01	11/26/14 17:48	1
PCB-1254	<0.0192		0.0640	0.0192	mg/Kg	☼	11/21/14 14:01	11/26/14 17:48	1
PCB-1260	<0.0192		0.0640	0.0192	mg/Kg	☼	11/21/14 14:01	11/26/14 17:48	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	59		20 - 150				11/21/14 14:01	11/26/14 17:48	1
Tetrachloro-m-xylene	51		19 - 147				11/21/14 14:01	11/26/14 17:48	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>23700</b>		37.9	19.0	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
Antimony	<1.90		19.0	1.90	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
<b>Arsenic</b>	<b>12.4</b>		3.79	1.71	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
<b>Barium</b>	<b>34.8</b>		3.79	3.04	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
<b>Beryllium</b>	<b>1.29 J</b>		1.90	0.759	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
Cadmium	<0.190		1.90	0.190	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
<b>Calcium</b>	<b>26500</b>		379	190	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
<b>Chromium</b>	<b>49.7</b>		1.90	1.14	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
<b>Cobalt</b>	<b>5.69</b>		3.79	1.90	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
<b>Copper</b>	<b>5.81</b>		3.79	1.90	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
<b>Iron</b>	<b>31100</b>		75.9	37.9	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
<b>Lead</b>	<b>16.9</b>		1.90	0.949	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
<b>Magnesium</b>	<b>5630</b>		379	190	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
<b>Manganese</b>	<b>280</b>		5.69	1.90	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B SB-1 (18-22)**

**Lab Sample ID: 490-66802-4**

Date Collected: 11/19/14 11:30

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 51.2

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	12.9		3.79	1.14	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
Potassium	2860		379	190	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
Selenium	2.43	J	3.79	1.90	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
Silver	1.56	J	1.90	0.949	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
Sodium	423		379	190	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
Thallium	<1.90		3.79	1.90	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
Vanadium	54.2		19.0	3.79	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1
Zinc	50.9		19.0	11.4	mg/Kg	☼	12/17/14 09:16	12/17/14 21:26	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0591		0.197	0.0591	mg/Kg	☼	12/06/14 10:38	12/16/14 18:07	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	51		0.10	0.10	%			11/21/14 09:39	1



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B TW-1 (6-10)**

**Lab Sample ID: 490-66802-5**

**Date Collected: 11/19/14 10:00**

**Matrix: Ground Water**

**Date Received: 11/20/14 09:00**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.46	J	25.0	2.66	ug/L			11/30/14 23:51	1
Benzene	<0.200		1.00	0.200	ug/L			11/30/14 23:51	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			11/30/14 23:51	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			11/30/14 23:51	1
Bromoform	<0.290		1.00	0.290	ug/L			11/30/14 23:51	1
Bromomethane	<0.350		1.00	0.350	ug/L			11/30/14 23:51	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			11/30/14 23:51	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			11/30/14 23:51	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			11/30/14 23:51	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			11/30/14 23:51	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			11/30/14 23:51	1
Chloroethane	<0.360		1.00	0.360	ug/L			11/30/14 23:51	1
Chloroform	<0.230		1.00	0.230	ug/L			11/30/14 23:51	1
Chloromethane	<0.360		1.00	0.360	ug/L			11/30/14 23:51	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			11/30/14 23:51	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			11/30/14 23:51	1
Cyclohexane	<0.220		5.00	0.220	ug/L			11/30/14 23:51	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			11/30/14 23:51	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			11/30/14 23:51	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			11/30/14 23:51	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			11/30/14 23:51	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			11/30/14 23:51	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			11/30/14 23:51	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			11/30/14 23:51	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			11/30/14 23:51	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			11/30/14 23:51	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			11/30/14 23:51	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			11/30/14 23:51	1
2-Hexanone	<1.28		10.0	1.28	ug/L			11/30/14 23:51	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			11/30/14 23:51	1
Methyl acetate	<0.720		10.0	0.720	ug/L			11/30/14 23:51	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			11/30/14 23:51	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			11/30/14 23:51	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			11/30/14 23:51	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			11/30/14 23:51	1
Styrene	<0.280		1.00	0.280	ug/L			11/30/14 23:51	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			11/30/14 23:51	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			11/30/14 23:51	1
Toluene	<0.170		1.00	0.170	ug/L			11/30/14 23:51	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			11/30/14 23:51	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			11/30/14 23:51	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			11/30/14 23:51	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			11/30/14 23:51	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			11/30/14 23:51	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			11/30/14 23:51	1
Trichloroethene	<0.200		1.00	0.200	ug/L			11/30/14 23:51	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			11/30/14 23:51	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			11/30/14 23:51	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			11/30/14 23:51	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B TW-1 (6-10)**

**Lab Sample ID: 490-66802-5**

**Date Collected: 11/19/14 10:00**

**Matrix: Ground Water**

**Date Received: 11/20/14 09:00**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			11/30/14 23:51	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	97		70 - 130					11/30/14 23:51	1
Dibromofluoromethane (Surr)	104		70 - 130					11/30/14 23:51	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 130					11/30/14 23:51	1
Toluene-d8 (Surr)	100		70 - 130					11/30/14 23:51	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acenaphthene</b>	<b>10.9</b>		2.17	0.398	ug/L		11/21/14 07:08	11/21/14 23:31	1
Acenaphthylene	<0.359		2.17	0.359	ug/L		11/21/14 07:08	11/21/14 23:31	1
Acetophenone	<2.07		10.9	2.07	ug/L		11/21/14 07:08	11/21/14 23:31	1
Anthracene	<0.960		2.17	0.960	ug/L		11/21/14 07:08	11/21/14 23:31	1
Atrazine	<4.02	*	10.9	4.02	ug/L		11/21/14 07:08	11/21/14 23:31	1
Benzaldehyde	<2.34	*	10.9	2.34	ug/L		11/21/14 07:08	11/21/14 23:31	1
Benzo[a]anthracene	<0.352		2.17	0.352	ug/L		11/21/14 07:08	11/21/14 23:31	1
Benzo[a]pyrene	<0.359		2.17	0.359	ug/L		11/21/14 07:08	11/21/14 23:31	1
Benzo[b]fluoranthene	<0.459		2.17	0.459	ug/L		11/21/14 07:08	11/21/14 23:31	1
Benzo[g,h,i]perylene	<0.312		2.17	0.312	ug/L		11/21/14 07:08	11/21/14 23:31	1
Benzo[k]fluoranthene	<0.396		2.17	0.396	ug/L		11/21/14 07:08	11/21/14 23:31	1
Biphenyl	<3.62		10.9	3.62	ug/L		11/21/14 07:08	11/21/14 23:31	1
Bis(2-chloroethoxy)methane	<1.48		10.9	1.48	ug/L		11/21/14 07:08	11/21/14 23:31	1
Bis(2-chloroethyl)ether	<1.51		10.9	1.51	ug/L		11/21/14 07:08	11/21/14 23:31	1
bis (2-chloroisopropyl) ether	<2.13		10.9	2.13	ug/L		11/21/14 07:08	11/21/14 23:31	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>6.11</b>	<b>J</b>	10.9	2.24	ug/L		11/21/14 07:08	11/21/14 23:31	1
4-Bromophenyl phenyl ether	<1.49		10.9	1.49	ug/L		11/21/14 07:08	11/21/14 23:31	1
Butyl benzyl phthalate	<1.89		10.9	1.89	ug/L		11/21/14 07:08	11/21/14 23:31	1
Caprolactam	<3.62		10.9	3.62	ug/L		11/21/14 07:08	11/21/14 23:31	1
Carbazole	<0.325		10.9	0.325	ug/L		11/21/14 07:08	11/21/14 23:31	1
4-Chloroaniline	<1.27		10.9	1.27	ug/L		11/21/14 07:08	11/21/14 23:31	1
4-Chloro-3-methylphenol	<3.62		10.9	3.62	ug/L		11/21/14 07:08	11/21/14 23:31	1
2-Chloronaphthalene	<1.78		10.9	1.78	ug/L		11/21/14 07:08	11/21/14 23:31	1
2-Chlorophenol	<1.73		10.9	1.73	ug/L		11/21/14 07:08	11/21/14 23:31	1
4-Chlorophenyl phenyl ether	<1.90		10.9	1.90	ug/L		11/21/14 07:08	11/21/14 23:31	1
Chrysene	<1.18		2.17	1.18	ug/L		11/21/14 07:08	11/21/14 23:31	1
Dibenz(a,h)anthracene	<0.700		2.17	0.700	ug/L		11/21/14 07:08	11/21/14 23:31	1
<b>Dibenzofuran</b>	<b>3.33</b>	<b>J</b>	10.9	0.368	ug/L		11/21/14 07:08	11/21/14 23:31	1
3,3'-Dichlorobenzidine	<1.65		10.9	1.65	ug/L		11/21/14 07:08	11/21/14 23:31	1
2,4-Dichlorophenol	<1.11		10.9	1.11	ug/L		11/21/14 07:08	11/21/14 23:31	1
Diethyl phthalate	<1.76		10.9	1.76	ug/L		11/21/14 07:08	11/21/14 23:31	1
2,4-Dimethylphenol	<1.08		10.9	1.08	ug/L		11/21/14 07:08	11/21/14 23:31	1
Dimethyl phthalate	<1.97		10.9	1.97	ug/L		11/21/14 07:08	11/21/14 23:31	1
Di-n-butyl phthalate	<1.63		10.9	1.63	ug/L		11/21/14 07:08	11/21/14 23:31	1
4,6-Dinitro-2-methylphenol	<2.25		27.2	2.25	ug/L		11/21/14 07:08	11/21/14 23:31	1
2,4-Dinitrophenol	<2.67		27.2	2.67	ug/L		11/21/14 07:08	11/21/14 23:31	1
2,4-Dinitrotoluene	<3.62		10.9	3.62	ug/L		11/21/14 07:08	11/21/14 23:31	1
2,6-Dinitrotoluene	<2.11		10.9	2.11	ug/L		11/21/14 07:08	11/21/14 23:31	1
Di-n-octyl phthalate	<2.51		10.9	2.51	ug/L		11/21/14 07:08	11/21/14 23:31	1
<b>Fluoranthene</b>	<b>1.31</b>	<b>J</b>	2.17	0.377	ug/L		11/21/14 07:08	11/21/14 23:31	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B TW-1 (6-10)**

**Lab Sample ID: 490-66802-5**

**Date Collected: 11/19/14 10:00**

**Matrix: Ground Water**

**Date Received: 11/20/14 09:00**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluorene</b>	<b>1.37</b>	<b>J</b>	2.17	0.343	ug/L		11/21/14 07:08	11/21/14 23:31	1
Hexachlorobenzene	<1.84		10.9	1.84	ug/L		11/21/14 07:08	11/21/14 23:31	1
Hexachlorobutadiene	<3.62		10.9	3.62	ug/L		11/21/14 07:08	11/21/14 23:31	1
Hexachlorocyclopentadiene	<3.62		10.9	3.62	ug/L		11/21/14 07:08	11/21/14 23:31	1
Hexachloroethane	<3.62		10.9	3.62	ug/L		11/21/14 07:08	11/21/14 23:31	1
Indeno[1,2,3-cd]pyrene	<0.414		2.17	0.414	ug/L		11/21/14 07:08	11/21/14 23:31	1
Isophorone	<1.35		10.9	1.35	ug/L		11/21/14 07:08	11/21/14 23:31	1
2-Methylnaphthalene	<0.338		2.17	0.338	ug/L		11/21/14 07:08	11/21/14 23:31	1
2-Methylphenol	<3.62		10.9	3.62	ug/L		11/21/14 07:08	11/21/14 23:31	1
3 & 4 Methylphenol	<3.62		10.9	3.62	ug/L		11/21/14 07:08	11/21/14 23:31	1
Naphthalene	<0.433		2.17	0.433	ug/L		11/21/14 07:08	11/21/14 23:31	1
2-Nitroaniline	<1.13		27.2	1.13	ug/L		11/21/14 07:08	11/21/14 23:31	1
3-Nitroaniline	<2.01		27.2	2.01	ug/L		11/21/14 07:08	11/21/14 23:31	1
4-Nitroaniline	<2.60		27.2	2.60	ug/L		11/21/14 07:08	11/21/14 23:31	1
Nitrobenzene	<1.35		10.9	1.35	ug/L		11/21/14 07:08	11/21/14 23:31	1
2-Nitrophenol	<1.71		10.9	1.71	ug/L		11/21/14 07:08	11/21/14 23:31	1
4-Nitrophenol	<3.62		27.2	3.62	ug/L		11/21/14 07:08	11/21/14 23:31	1
N-Nitrosodi-n-propylamine	<1.54		10.9	1.54	ug/L		11/21/14 07:08	11/21/14 23:31	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.57		10.9	1.57	ug/L		11/21/14 07:08	11/21/14 23:31	1
Pentachlorophenol	<1.79		27.2	1.79	ug/L		11/21/14 07:08	11/21/14 23:31	1
Phenanthrene	<0.373		2.17	0.373	ug/L		11/21/14 07:08	11/21/14 23:31	1
Phenol	<3.75		10.9	3.75	ug/L		11/21/14 07:08	11/21/14 23:31	1
Pyrene	<0.360		2.17	0.360	ug/L		11/21/14 07:08	11/21/14 23:31	1
1,2,4,5-Tetrachlorobenzene	<4.39		10.9	4.39	ug/L		11/21/14 07:08	11/21/14 23:31	1
2,3,4,6-Tetrachlorophenol	<3.95		10.9	3.95	ug/L		11/21/14 07:08	11/21/14 23:31	1
2,4,5-Trichlorophenol	<2.21		27.2	2.21	ug/L		11/21/14 07:08	11/21/14 23:31	1
2,4,6-Trichlorophenol	<1.91		10.9	1.91	ug/L		11/21/14 07:08	11/21/14 23:31	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-Fluorobiphenyl (Surr)	81		29 - 120				11/21/14 07:08	11/21/14 23:31	1
2-Fluorophenol (Surr)	59		10 - 120				11/21/14 07:08	11/21/14 23:31	1
Nitrobenzene-d5 (Surr)	93		27 - 120				11/21/14 07:08	11/21/14 23:31	1
Phenol-d5 (Surr)	37		10 - 120				11/21/14 07:08	11/21/14 23:31	1
Terphenyl-d14 (Surr)	69		13 - 120				11/21/14 07:08	11/21/14 23:31	1
2,4,6-Tribromophenol (Surr)	84		10 - 120				11/21/14 07:08	11/21/14 23:31	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0590		0.250	0.0590	ug/L		11/21/14 05:58	12/11/14 16:52	10
alpha-BHC	<0.111		0.250	0.111	ug/L		11/21/14 05:58	12/11/14 16:52	10
beta-BHC	<0.0700		0.250	0.0700	ug/L		11/21/14 05:58	12/11/14 16:52	10
delta-BHC	<0.0770		0.250	0.0770	ug/L		11/21/14 05:58	12/11/14 16:52	10
gamma-BHC (Lindane)	<0.0570		0.250	0.0570	ug/L		11/21/14 05:58	12/11/14 16:52	10
alpha-Chlordane	<0.0530		0.250	0.0530	ug/L		11/21/14 05:58	12/11/14 16:52	10
<b>gamma-Chlordane</b>	<b>0.588</b>		0.250	0.180	ug/L		11/21/14 05:58	12/11/14 16:52	10
Chlordane (technical)	<1.83		20.0	1.83	ug/L		11/21/14 05:58	12/11/14 16:52	10
4,4'-DDD	<0.0770		0.250	0.0770	ug/L		11/21/14 05:58	12/11/14 16:52	10
4,4'-DDE	<0.0990		0.250	0.0990	ug/L		11/21/14 05:58	12/11/14 16:52	10
4,4'-DDT	<0.0890		0.250	0.0890	ug/L		11/21/14 05:58	12/11/14 16:52	10

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B TW-1 (6-10)**

**Lab Sample ID: 490-66802-5**

**Date Collected: 11/19/14 10:00**

**Matrix: Ground Water**

**Date Received: 11/20/14 09:00**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.0570		0.250	0.0570	ug/L		11/21/14 05:58	12/11/14 16:52	10
Endosulfan I	<0.0780		0.250	0.0780	ug/L		11/21/14 05:58	12/11/14 16:52	10
Endosulfan II	<0.0540		0.250	0.0540	ug/L		11/21/14 05:58	12/11/14 16:52	10
Endosulfan sulfate	<0.0650		0.250	0.0650	ug/L		11/21/14 05:58	12/11/14 16:52	10
Endrin	<0.0660		0.250	0.0660	ug/L		11/21/14 05:58	12/11/14 16:52	10
Endrin aldehyde	<0.0870		0.250	0.0870	ug/L		11/21/14 05:58	12/11/14 16:52	10
Endrin ketone	<0.0650		0.250	0.0650	ug/L		11/21/14 05:58	12/11/14 16:52	10
Heptachlor	<0.0570		0.250	0.0570	ug/L		11/21/14 05:58	12/11/14 16:52	10
Heptachlor epoxide	<0.0700		0.250	0.0700	ug/L		11/21/14 05:58	12/11/14 16:52	10
Methoxychlor	<0.0530		0.250	0.0530	ug/L		11/21/14 05:58	12/11/14 16:52	10
Toxaphene	<0.413		20.0	0.413	ug/L		11/21/14 05:58	12/11/14 16:52	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	61		38 - 150	11/21/14 05:58	12/11/14 16:52	10
DCB Decachlorobiphenyl (Surr)	12		10 - 141	11/21/14 05:58	12/11/14 16:52	10

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0490		0.500	0.0490	ug/L		11/21/14 05:58	11/27/14 00:24	1
PCB-1221	<0.260		0.500	0.260	ug/L		11/21/14 05:58	11/27/14 00:24	1
PCB-1232	<0.0700		0.500	0.0700	ug/L		11/21/14 05:58	11/27/14 00:24	1
PCB-1242	<0.0640		0.500	0.0640	ug/L		11/21/14 05:58	11/27/14 00:24	1
PCB-1248	<0.0690		0.500	0.0690	ug/L		11/21/14 05:58	11/27/14 00:24	1
PCB-1254	<0.00700		0.500	0.00700	ug/L		11/21/14 05:58	11/27/14 00:24	1
PCB-1260	<0.0120		0.500	0.0120	ug/L		11/21/14 05:58	11/27/14 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	38		10 - 150	11/21/14 05:58	11/27/14 00:24	1
Tetrachloro-m-xylene	75		10 - 150	11/21/14 05:58	11/27/14 00:24	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>5.87</b>		0.100	0.0500	mg/L		12/05/14 07:16	12/16/14 17:56	1
Antimony	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:56	1
<b>Arsenic</b>	<b>0.00820</b>	<b>J</b>	0.0100	0.00720	mg/L		12/05/14 07:16	12/16/14 17:56	1
<b>Barium</b>	<b>0.0205</b>		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:56	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/05/14 07:16	12/16/14 17:56	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		12/05/14 07:16	12/16/14 17:56	1
<b>Calcium</b>	<b>87.8</b>		1.00	0.500	mg/L		12/05/14 07:16	12/16/14 17:56	1
<b>Chromium</b>	<b>0.00610</b>		0.00500	0.00300	mg/L		12/05/14 07:16	12/16/14 17:56	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:56	1
Copper	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:56	1
<b>Iron</b>	<b>4.66</b>		0.100	0.0500	mg/L		12/05/14 07:16	12/16/14 17:56	1
<b>Lead</b>	<b>0.0109</b>		0.00500	0.00200	mg/L		12/05/14 07:16	12/16/14 17:56	1
<b>Magnesium</b>	<b>3.77</b>		1.00	0.500	mg/L		12/05/14 07:16	12/16/14 17:56	1
<b>Manganese</b>	<b>0.0736</b>		0.0150	0.00500	mg/L		12/05/14 07:16	12/16/14 17:56	1
Nickel	<0.00300		0.0100	0.00300	mg/L		12/05/14 07:16	12/16/14 17:56	1
<b>Potassium</b>	<b>4.73</b>		1.00	0.500	mg/L		12/05/14 07:16	12/16/14 17:56	1
Selenium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:56	1
Silver	<0.00250		0.00500	0.00250	mg/L		12/05/14 07:16	12/16/14 17:56	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4B TW-1 (6-10)**

**Lab Sample ID: 490-66802-5**

Date Collected: 11/19/14 10:00

Matrix: Ground Water

Date Received: 11/20/14 09:00

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium</b>	<b>53.5</b>		1.00	0.500	mg/L		12/05/14 07:16	12/16/14 17:56	1
Thallium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:56	1
<b>Vanadium</b>	<b>0.0105</b>	<b>J</b>	0.0200	0.0100	mg/L		12/05/14 07:16	12/16/14 17:56	1
Zinc	<0.0300		0.0500	0.0300	mg/L		12/05/14 07:16	12/16/14 17:56	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000150		0.000200	0.000150	mg/L		12/04/14 11:54	12/06/14 14:16	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4C SB-1 (0-2)**

**Lab Sample ID: 490-66802-6**

**Date Collected: 11/19/14 14:45**

**Matrix: Soil**

**Date Received: 11/20/14 09:00**

**Percent Solids: 88.1**

**Method: 8260B - TCL VOA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0429		0.0537	0.0429	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Benzene	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Bromochloromethane	<0.000591		0.00215	0.000591	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Bromodichloromethane	<0.000591		0.00215	0.000591	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Bromoform	<0.000591	*	0.00215	0.000591	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Bromomethane	<0.00128	H	0.00213	0.00128	mg/Kg	☼	12/05/14 14:47	12/05/14 16:57	1
<b>2-Butanone (MEK)</b>	<b>0.00583</b>	<b>J</b>	0.0537	0.00548	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Carbon disulfide	<0.00387		0.00537	0.00387	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Carbon tetrachloride	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Chlorobenzene	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Chlorodibromomethane	<0.000365		0.00215	0.000365	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Chloroethane	<0.00204		0.00537	0.00204	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Chloroform	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Chloromethane	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
cis-1,2-Dichloroethene	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
cis-1,3-Dichloropropene	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Cyclohexane	<0.00354		0.0107	0.00354	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,2-Dibromo-3-Chloropropane	<0.000752	*	0.00537	0.000752	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,2-Dibromoethane (EDB)	<0.00107		0.00215	0.00107	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,2-Dichlorobenzene	<0.000365		0.00215	0.000365	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,3-Dichlorobenzene	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,4-Dichlorobenzene	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Dichlorodifluoromethane	<0.00107		0.00215	0.00107	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,1-Dichloroethane	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,2-Dichloroethane	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,1-Dichloroethene	<0.000612		0.00215	0.000612	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,2-Dichloropropane	<0.00101		0.00215	0.00101	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Ethylbenzene	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
2-Hexanone	<0.0179	*	0.0537	0.0179	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Isopropylbenzene	<0.000440		0.00215	0.000440	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Methyl acetate	<0.00258	*	0.0107	0.00258	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Methylcyclohexane	<0.00354		0.0107	0.00354	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Methylene Chloride	<0.000923		0.0107	0.000923	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
4-Methyl-2-pentanone (MIBK)	<0.0183	*	0.0537	0.0183	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Methyl tert-butyl ether	<0.00103		0.00215	0.00103	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Styrene	<0.00118		0.00215	0.00118	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,1,2,2-Tetrachloroethane	<0.00107		0.00215	0.00107	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Tetrachloroethene	<0.000784		0.00215	0.000784	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Toluene	<0.000795		0.00215	0.000795	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
trans-1,2-Dichloroethene	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
trans-1,3-Dichloropropene	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,2,3-Trichlorobenzene	<0.000408		0.00215	0.000408	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,2,4-Trichlorobenzene	<0.000719		0.00215	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,1,1-Trichloroethane	<0.000988		0.00215	0.000988	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,1,2-Trichloroethane	<0.00150		0.00537	0.00150	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Trichloroethene	<0.00103		0.00215	0.00103	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Trichlorofluoromethane	<0.00107		0.00215	0.00107	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000848		0.00215	0.000848	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Vinyl chloride	<0.00118		0.00215	0.00118	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4C SB-1 (0-2)**

**Lab Sample ID: 490-66802-6**

Date Collected: 11/19/14 14:45

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 88.1

**Method: 8260B - TCL VOA (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000719		0.00322	0.000719	mg/Kg	☼	11/21/14 10:26	11/25/14 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	X	70 - 130				11/21/14 10:26	11/23/14 10:52	1
4-Bromofluorobenzene (Surr)	94		70 - 130				11/21/14 10:26	11/25/14 14:02	1
4-Bromofluorobenzene (Surr)	98		70 - 130				12/05/14 14:47	12/05/14 16:57	1
Dibromofluoromethane (Surr)	103		70 - 130				11/21/14 10:26	11/23/14 10:52	1
Dibromofluoromethane (Surr)	102		70 - 130				11/21/14 10:26	11/25/14 14:02	1
Dibromofluoromethane (Surr)	108		70 - 130				12/05/14 14:47	12/05/14 16:57	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130				11/21/14 10:26	11/23/14 10:52	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 130				11/21/14 10:26	11/25/14 14:02	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 130				12/05/14 14:47	12/05/14 16:57	1
Toluene-d8 (Surr)	98		70 - 130				11/21/14 10:26	11/23/14 10:52	1
Toluene-d8 (Surr)	98		70 - 130				11/21/14 10:26	11/25/14 14:02	1
Toluene-d8 (Surr)	98		70 - 130				12/05/14 14:47	12/05/14 16:57	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00960		0.0643	0.00960	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Acenaphthylene	<0.00864		0.0643	0.00864	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Acetophenone	<0.0672		0.320	0.0672	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Anthracene	<0.00864		0.0643	0.00864	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Atrazine	<0.160		0.320	0.160	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Benzaldehyde	<0.275 *		1.60	0.275	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Benzo[a]anthracene	<0.0144		0.0643	0.0144	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Benzo[a]pyrene	<0.0115		0.0643	0.0115	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Benzo[b]fluoranthene	<0.0115		0.0643	0.0115	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Benzo[g,h,i]perylene	<0.00864		0.0643	0.00864	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Benzo[k]fluoranthene	<0.0134		0.0643	0.0134	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Biphenyl	<0.0998		0.320	0.0998	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Bis(2-chloroethoxy)methane	<0.0115		0.320	0.0115	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Bis(2-chloroethyl)ether	<0.0192		0.320	0.0192	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
bis (2-chloroisopropyl) ether	<0.129		0.320	0.129	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.0404 J</b>		0.320	0.0125	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
4-Bromophenyl phenyl ether	<0.0163		0.320	0.0163	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Butyl benzyl phthalate	<0.0154		0.320	0.0154	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Caprolactam	<0.104		0.320	0.104	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Carbazole	<0.00672		0.320	0.00672	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
4-Chloroaniline	<0.159		0.320	0.159	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
4-Chloro-3-methylphenol	<0.0154		0.320	0.0154	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2-Chloronaphthalene	<0.0163		0.320	0.0163	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2-Chlorophenol	<0.0144		0.320	0.0144	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
4-Chlorophenyl phenyl ether	<0.0230		0.320	0.0230	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Chrysene	<0.00864		0.0643	0.00864	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Dibenz(a,h)anthracene	<0.00672		0.0643	0.00672	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Dibenzofuran	<0.0125		0.320	0.0125	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
3,3'-Dichlorobenzidine	<0.128		0.640	0.128	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2,4-Dichlorophenol	<0.0163		0.320	0.0163	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Diethyl phthalate	<0.0134		0.320	0.0134	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2,4-Dimethylphenol	<0.184		0.320	0.184	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4C SB-1 (0-2)**

**Lab Sample ID: 490-66802-6**

**Date Collected: 11/19/14 14:45**

**Matrix: Soil**

**Date Received: 11/20/14 09:00**

**Percent Solids: 88.1**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	<0.00768		1.60	0.00768	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Di-n-butyl phthalate	<0.0125		0.320	0.0125	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
4,6-Dinitro-2-methylphenol	<0.0989		0.320	0.0989	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2,4-Dinitrophenol	<0.106		0.320	0.106	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2,4-Dinitrotoluene	<0.00864		0.320	0.00864	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2,6-Dinitrotoluene	<0.0298		0.320	0.0298	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Di-n-octyl phthalate	<0.0125		0.320	0.0125	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Fluoranthene	<0.00864		0.0643	0.00864	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Fluorene	<0.0115		0.0643	0.0115	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Hexachlorobenzene	<0.0278		0.320	0.0278	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Hexachlorobutadiene	<0.0672		0.320	0.0672	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Hexachlorocyclopentadiene	<0.0154		0.320	0.0154	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Hexachloroethane	<0.0192		0.320	0.0192	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Indeno[1,2,3-cd]pyrene	<0.00960		0.0643	0.00960	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Isophorone	<0.0566		0.320	0.0566	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2-Methylnaphthalene	<0.0154		0.0643	0.0154	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2-Methylphenol	<0.0893		0.320	0.0893	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
3 & 4 Methylphenol	<0.0192		0.320	0.0192	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Naphthalene	<0.00864		0.0643	0.00864	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2-Nitroaniline	<0.0173		0.800	0.0173	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
3-Nitroaniline	<0.142		0.800	0.142	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
4-Nitroaniline	<0.0288		0.800	0.0288	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Nitrobenzene	<0.0163		0.320	0.0163	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2-Nitrophenol	<0.0125		0.320	0.0125	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
4-Nitrophenol	<0.0144		0.320	0.0144	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
N-Nitrosodi-n-propylamine	<0.0202		0.320	0.0202	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0154		0.320	0.0154	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Pentachlorophenol	<0.120		0.800	0.120	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Phenanthrene	<0.00864		0.0643	0.00864	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Phenol	<0.0134		0.320	0.0134	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
Pyrene	<0.0115		0.0643	0.0115	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
1,2,4,5-Tetrachlorobenzene	<0.248		1.60	0.248	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2,3,4,6-Tetrachlorophenol	<0.162		0.320	0.162	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2,4,5-Trichlorophenol	<0.0163		0.800	0.0163	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1
2,4,6-Trichlorophenol	<0.0240		0.320	0.0240	mg/Kg	☼	11/28/14 10:57	11/30/14 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		29 - 120	11/28/14 10:57	11/30/14 21:03	1
2-Fluorophenol (Surr)	67		10 - 120	11/28/14 10:57	11/30/14 21:03	1
Nitrobenzene-d5 (Surr)	66		27 - 120	11/28/14 10:57	11/30/14 21:03	1
Phenol-d5 (Surr)	65		10 - 120	11/28/14 10:57	11/30/14 21:03	1
Terphenyl-d14 (Surr)	67		13 - 120	11/28/14 10:57	11/30/14 21:03	1
2,4,6-Tribromophenol (Surr)	71		10 - 120	11/28/14 10:57	11/30/14 21:03	1

**Method: 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000349		0.00191	0.000349	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
alpha-BHC	<0.000225		0.00191	0.000225	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
beta-BHC	<0.000225		0.00191	0.000225	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1

TestAmerica Nashville



# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4C SB-1 (0-2)**

**Lab Sample ID: 490-66802-6**

**Date Collected: 11/19/14 14:45**

**Matrix: Soil**

**Date Received: 11/20/14 09:00**

**Percent Solids: 88.1**

**Method: 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	<0.000428		0.00191	0.000428	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
gamma-BHC (Lindane)	<0.000439		0.00191	0.000439	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
alpha-Chlordane	<0.000484		0.00191	0.000484	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
gamma-Chlordane	<0.000889		0.00191	0.000889	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
Chlordane (technical)	<0.0408		0.0563	0.0408	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
4,4'-DDD	<0.000484		0.00191	0.000484	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
4,4'-DDE	<0.000563		0.00191	0.000563	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
4,4'-DDT	<0.000956		0.00191	0.000956	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
Dieldrin	<0.000450		0.00191	0.000450	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
Endosulfan I	<0.000529		0.00191	0.000529	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
Endosulfan II	<0.000619		0.00191	0.000619	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
Endosulfan sulfate	<0.000563		0.00191	0.000563	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
Endrin	<0.000484		0.00191	0.000484	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
Endrin aldehyde	<0.000574		0.00191	0.000574	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
Endrin ketone	<0.000664		0.00191	0.000664	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
Heptachlor	<0.000473		0.00191	0.000473	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
Heptachlor epoxide	<0.000731		0.00191	0.000731	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
Methoxychlor	<0.000551		0.00371	0.000551	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1
Toxaphene	<0.0475		0.0750	0.0475	mg/Kg	☼	11/21/14 14:16	12/03/14 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	76		21 - 145	11/21/14 14:16	12/03/14 16:23	1
DCB Decachlorobiphenyl (Surr)	74		25 - 150	11/21/14 14:16	12/03/14 16:23	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0111		0.0371	0.0111	mg/Kg	☼	11/21/14 14:01	11/26/14 18:12	1
PCB-1221	<0.0111		0.0371	0.0111	mg/Kg	☼	11/21/14 14:01	11/26/14 18:12	1
PCB-1232	<0.0223		0.0371	0.0223	mg/Kg	☼	11/21/14 14:01	11/26/14 18:12	1
PCB-1242	<0.0111		0.0371	0.0111	mg/Kg	☼	11/21/14 14:01	11/26/14 18:12	1
PCB-1248	<0.0111		0.0371	0.0111	mg/Kg	☼	11/21/14 14:01	11/26/14 18:12	1
PCB-1254	<0.0111		0.0371	0.0111	mg/Kg	☼	11/21/14 14:01	11/26/14 18:12	1
PCB-1260	<0.0111		0.0371	0.0111	mg/Kg	☼	11/21/14 14:01	11/26/14 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	81		20 - 150	11/21/14 14:01	11/26/14 18:12	1
Tetrachloro-m-xylene	72		19 - 147	11/21/14 14:01	11/26/14 18:12	1

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>3260</b>		22.5	11.2	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Antimony	<1.12		11.2	1.12	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
<b>Arsenic</b>	<b>3.71</b>		2.25	1.01	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
<b>Barium</b>	<b>14.0</b>		2.25	1.80	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Beryllium	<0.449		1.12	0.449	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Cadmium	<0.112		1.12	0.112	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
<b>Calcium</b>	<b>590</b>		225	112	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
<b>Chromium</b>	<b>6.00</b>		1.12	0.674	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Cobalt	<1.12		2.25	1.12	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
<b>Copper</b>	<b>3.30</b>		2.25	1.12	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4C SB-1 (0-2)**

**Lab Sample ID: 490-66802-6**

Date Collected: 11/19/14 14:45

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 88.1

**Method: 6010C - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2500		44.9	22.5	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Lead	12.6		1.12	0.562	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Magnesium	183	J	225	112	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Manganese	29.9		3.37	1.12	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Nickel	1.57	J	2.25	0.674	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Potassium	<112		225	112	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Selenium	<1.12		2.25	1.12	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Silver	<0.562		1.12	0.562	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Sodium	<112		225	112	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Thallium	<1.12		2.25	1.12	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Vanadium	7.93	J	11.2	2.25	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1
Zinc	10.8	J	11.2	6.74	mg/Kg	☼	12/17/14 09:16	12/17/14 21:30	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0337		0.112	0.0337	mg/Kg	☼	12/06/14 10:38	12/16/14 18:09	1

**General Chemistry**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10	0.10	%			11/21/14 09:39	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66802-7**

**Date Collected: 11/19/14 01:01**

**Matrix: Water**

**Date Received: 11/20/14 09:00**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		25.0	2.66	ug/L			11/30/14 21:14	1
Benzene	<0.200		1.00	0.200	ug/L			11/30/14 21:14	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			11/30/14 21:14	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			11/30/14 21:14	1
Bromoform	<0.290		1.00	0.290	ug/L			11/30/14 21:14	1
Bromomethane	<0.350		1.00	0.350	ug/L			11/30/14 21:14	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			11/30/14 21:14	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			11/30/14 21:14	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			11/30/14 21:14	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			11/30/14 21:14	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			11/30/14 21:14	1
Chloroethane	<0.360		1.00	0.360	ug/L			11/30/14 21:14	1
Chloroform	<0.230		1.00	0.230	ug/L			11/30/14 21:14	1
Chloromethane	<0.360		1.00	0.360	ug/L			11/30/14 21:14	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			11/30/14 21:14	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			11/30/14 21:14	1
Cyclohexane	<0.220		5.00	0.220	ug/L			11/30/14 21:14	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			11/30/14 21:14	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			11/30/14 21:14	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			11/30/14 21:14	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			11/30/14 21:14	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			11/30/14 21:14	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			11/30/14 21:14	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			11/30/14 21:14	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			11/30/14 21:14	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			11/30/14 21:14	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			11/30/14 21:14	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			11/30/14 21:14	1
2-Hexanone	<1.28		10.0	1.28	ug/L			11/30/14 21:14	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			11/30/14 21:14	1
Methyl acetate	<0.720		10.0	0.720	ug/L			11/30/14 21:14	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			11/30/14 21:14	1
<b>Methylene Chloride</b>	<b>0.541</b>	<b>J</b>	5.00	0.220	ug/L			11/30/14 21:14	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			11/30/14 21:14	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			11/30/14 21:14	1
Styrene	<0.280		1.00	0.280	ug/L			11/30/14 21:14	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			11/30/14 21:14	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			11/30/14 21:14	1
Toluene	<0.170		1.00	0.170	ug/L			11/30/14 21:14	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			11/30/14 21:14	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			11/30/14 21:14	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			11/30/14 21:14	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			11/30/14 21:14	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			11/30/14 21:14	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			11/30/14 21:14	1
Trichloroethene	<0.200		1.00	0.200	ug/L			11/30/14 21:14	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			11/30/14 21:14	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			11/30/14 21:14	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			11/30/14 21:14	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66802-7**

**Date Collected: 11/19/14 01:01**

**Matrix: Water**

**Date Received: 11/20/14 09:00**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			11/30/14 21:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130					11/30/14 21:14	1
Dibromofluoromethane (Surr)	104		70 - 130					11/30/14 21:14	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 130					11/30/14 21:14	1
Toluene-d8 (Surr)	97		70 - 130					11/30/14 21:14	1

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66802-8**

**Date Collected: 11/19/14 01:01**

**Matrix: Water**

**Date Received: 11/20/14 09:00**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.66		25.0	2.66	ug/L			11/30/14 21:45	1
Benzene	<0.200		1.00	0.200	ug/L			11/30/14 21:45	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			11/30/14 21:45	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			11/30/14 21:45	1
Bromoform	<0.290		1.00	0.290	ug/L			11/30/14 21:45	1
Bromomethane	<0.350		1.00	0.350	ug/L			11/30/14 21:45	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			11/30/14 21:45	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			11/30/14 21:45	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			11/30/14 21:45	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			11/30/14 21:45	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			11/30/14 21:45	1
Chloroethane	<0.360		1.00	0.360	ug/L			11/30/14 21:45	1
Chloroform	<0.230		1.00	0.230	ug/L			11/30/14 21:45	1
Chloromethane	<0.360		1.00	0.360	ug/L			11/30/14 21:45	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			11/30/14 21:45	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			11/30/14 21:45	1
Cyclohexane	<0.220		5.00	0.220	ug/L			11/30/14 21:45	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			11/30/14 21:45	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			11/30/14 21:45	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			11/30/14 21:45	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			11/30/14 21:45	1
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			11/30/14 21:45	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			11/30/14 21:45	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			11/30/14 21:45	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			11/30/14 21:45	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			11/30/14 21:45	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			11/30/14 21:45	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			11/30/14 21:45	1
2-Hexanone	<1.28		10.0	1.28	ug/L			11/30/14 21:45	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			11/30/14 21:45	1
Methyl acetate	<0.720		10.0	0.720	ug/L			11/30/14 21:45	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			11/30/14 21:45	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			11/30/14 21:45	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			11/30/14 21:45	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			11/30/14 21:45	1
Styrene	<0.280		1.00	0.280	ug/L			11/30/14 21:45	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			11/30/14 21:45	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			11/30/14 21:45	1
Toluene	<0.170		1.00	0.170	ug/L			11/30/14 21:45	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			11/30/14 21:45	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			11/30/14 21:45	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			11/30/14 21:45	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			11/30/14 21:45	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			11/30/14 21:45	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			11/30/14 21:45	1
Trichloroethene	<0.200		1.00	0.200	ug/L			11/30/14 21:45	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			11/30/14 21:45	1
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			11/30/14 21:45	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			11/30/14 21:45	1

TestAmerica Nashville

# Client Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: Trip Blank**

**Lab Sample ID: 490-66802-8**

Date Collected: 11/19/14 01:01

Matrix: Water

Date Received: 11/20/14 09:00

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.380		2.00	0.380	ug/L			11/30/14 21:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130					11/30/14 21:45	1
Dibromofluoromethane (Surr)	107		70 - 130					11/30/14 21:45	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 130					11/30/14 21:45	1
Toluene-d8 (Surr)	99		70 - 130					11/30/14 21:45	1

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA

**Lab Sample ID: MB 490-208476/6**  
**Matrix: Solid**  
**Analysis Batch: 208476**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0400		0.0500	0.0400	mg/Kg			11/23/14 02:36	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			11/23/14 02:36	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			11/23/14 02:36	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			11/23/14 02:36	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			11/23/14 02:36	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			11/23/14 02:36	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			11/23/14 02:36	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			11/23/14 02:36	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			11/23/14 02:36	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			11/23/14 02:36	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			11/23/14 02:36	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			11/23/14 02:36	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			11/23/14 02:36	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			11/23/14 02:36	1
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			11/23/14 02:36	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			11/23/14 02:36	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			11/23/14 02:36	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			11/23/14 02:36	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			11/23/14 02:36	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			11/23/14 02:36	1
Methylene Chloride	<0.000860		0.0100	0.000860	mg/Kg			11/23/14 02:36	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			11/23/14 02:36	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			11/23/14 02:36	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			11/23/14 02:36	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			11/23/14 02:36	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			11/23/14 02:36	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			11/23/14 02:36	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			11/23/14 02:36	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/23/14 02:36	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			11/23/14 02:36	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			11/23/14 02:36	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			11/23/14 02:36	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			11/23/14 02:36	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			11/23/14 02:36	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: MB 490-208476/6**

**Matrix: Solid**

**Analysis Batch: 208476**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			11/23/14 02:36	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			11/23/14 02:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130		11/23/14 02:36	1
Dibromofluoromethane (Surr)	100		70 - 130		11/23/14 02:36	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		11/23/14 02:36	1
Toluene-d8 (Surr)	103		70 - 130		11/23/14 02:36	1

**Lab Sample ID: LCS 490-208476/3**

**Matrix: Solid**

**Analysis Batch: 208476**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2468		mg/Kg		99	70 - 130
Benzene	0.0500	0.05937		mg/Kg		119	70 - 130
Bromochloromethane	0.0500	0.06458		mg/Kg		129	70 - 130
Bromodichloromethane	0.0500	0.04999		mg/Kg		100	70 - 130
Bromoform	0.0500	0.06422		mg/Kg		128	70 - 130
Bromomethane	0.0500	0.08338	*	mg/Kg		167	70 - 130
2-Butanone (MEK)	0.250	0.2596		mg/Kg		104	70 - 130
Carbon disulfide	0.0500	0.06210		mg/Kg		124	70 - 130
Carbon tetrachloride	0.0500	0.06678	*	mg/Kg		134	70 - 130
Chlorobenzene	0.0500	0.05719		mg/Kg		114	70 - 130
Chlorodibromomethane	0.0500	0.05793		mg/Kg		116	70 - 130
Chloroethane	0.0500	0.05772		mg/Kg		115	70 - 130
Chloroform	0.0500	0.05977		mg/Kg		120	70 - 130
Chloromethane	0.0500	0.05511		mg/Kg		110	70 - 130
cis-1,2-Dichloroethene	0.0500	0.05784		mg/Kg		116	70 - 130
cis-1,3-Dichloropropene	0.0500	0.05503		mg/Kg		110	70 - 130
Cyclohexane	0.0500	0.05992		mg/Kg		120	70 - 130
1,2-Dibromo-3-Chloropropane	0.0500	0.06394		mg/Kg		128	70 - 130
1,2-Dibromoethane (EDB)	0.0500	0.05492		mg/Kg		110	70 - 130
1,2-Dichlorobenzene	0.0500	0.05358		mg/Kg		107	70 - 130
1,3-Dichlorobenzene	0.0500	0.05371		mg/Kg		107	70 - 130
1,4-Dichlorobenzene	0.0500	0.05089		mg/Kg		102	70 - 130
Dichlorodifluoromethane	0.0500	0.05517		mg/Kg		110	70 - 130
1,1-Dichloroethane	0.0500	0.05913		mg/Kg		118	70 - 130
1,2-Dichloroethane	0.0500	0.05709		mg/Kg		114	70 - 130
1,1-Dichloroethene	0.0500	0.06269		mg/Kg		125	70 - 130
1,2-Dichloropropane	0.0500	0.05068		mg/Kg		101	70 - 130
Ethylbenzene	0.0500	0.05517		mg/Kg		110	70 - 130
2-Hexanone	0.250	0.2698		mg/Kg		108	70 - 130
Isopropylbenzene	0.0500	0.06076		mg/Kg		122	70 - 130
Methylcyclohexane	0.0500	0.05343		mg/Kg		107	70 - 130
Methylene Chloride	0.0500	0.05295		mg/Kg		106	70 - 130
4-Methyl-2-pentanone (MIBK)	0.250	0.2725		mg/Kg		109	70 - 130
Methyl tert-butyl ether	0.0500	0.05600		mg/Kg		112	70 - 130

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCS 490-208476/3**

**Matrix: Solid**

**Analysis Batch: 208476**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Styrene	0.0500	0.05724		mg/Kg		114	70 - 130	
1,1,2,2-Tetrachloroethane	0.0500	0.04881		mg/Kg		98	70 - 130	
Tetrachloroethene	0.0500	0.05678		mg/Kg		114	70 - 130	
Toluene	0.0500	0.05631		mg/Kg		113	70 - 130	
trans-1,2-Dichloroethene	0.0500	0.05933		mg/Kg		119	70 - 130	
trans-1,3-Dichloropropene	0.0500	0.04997		mg/Kg		100	70 - 130	
1,2,3-Trichlorobenzene	0.0500	0.04940		mg/Kg		99	70 - 130	
1,2,4-Trichlorobenzene	0.0500	0.04603		mg/Kg		92	70 - 130	
1,1,1-Trichloroethane	0.0500	0.06449		mg/Kg		129	70 - 130	
1,1,2-Trichloroethane	0.0500	0.05461		mg/Kg		109	70 - 130	
Trichloroethene	0.0500	0.05740		mg/Kg		115	70 - 130	
Trichlorofluoromethane	0.0500	0.06565	*	mg/Kg		131	70 - 130	
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.06178		mg/Kg		124	70 - 130	
Vinyl chloride	0.0500	0.05941		mg/Kg		119	70 - 130	
Xylenes, Total	0.100	0.1069		mg/Kg		107	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	80		70 - 130
Dibromofluoromethane (Surr)	107		70 - 130
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
Toluene-d8 (Surr)	97		70 - 130

**Lab Sample ID: LCSD 490-208476/4**

**Matrix: Solid**

**Analysis Batch: 208476**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
									RPD	Limit
Acetone	0.250	0.2738		mg/Kg		110	70 - 130	10	20	
Benzene	0.0500	0.05663		mg/Kg		113	70 - 130	5	20	
Bromochloromethane	0.0500	0.06413		mg/Kg		128	70 - 130	1	20	
Bromodichloromethane	0.0500	0.05406		mg/Kg		108	70 - 130	8	20	
Bromoform	0.0500	0.06524		mg/Kg		130	70 - 130	2	20	
Bromomethane	0.0500	0.08587	*	mg/Kg		172	70 - 130	3	20	
2-Butanone (MEK)	0.250	0.2600		mg/Kg		104	70 - 130	0	20	
Carbon disulfide	0.0500	0.06181		mg/Kg		124	70 - 130	0	20	
Carbon tetrachloride	0.0500	0.06162		mg/Kg		123	70 - 130	8	20	
Chlorobenzene	0.0500	0.05743		mg/Kg		115	70 - 130	0	20	
Chlorodibromomethane	0.0500	0.06121		mg/Kg		122	70 - 130	5	20	
Chloroethane	0.0500	0.05753		mg/Kg		115	70 - 130	0	20	
Chloroform	0.0500	0.05605		mg/Kg		112	70 - 130	6	20	
Chloromethane	0.0500	0.05407		mg/Kg		108	70 - 130	2	20	
cis-1,2-Dichloroethene	0.0500	0.05386		mg/Kg		108	70 - 130	7	20	
cis-1,3-Dichloropropene	0.0500	0.05681		mg/Kg		114	70 - 130	3	20	
Cyclohexane	0.0500	0.05504		mg/Kg		110	70 - 130	8	20	
1,2-Dibromo-3-Chloropropane	0.0500	0.06964	*	mg/Kg		139	70 - 130	9	20	
1,2-Dibromoethane (EDB)	0.0500	0.05654		mg/Kg		113	70 - 130	3	20	
1,2-Dichlorobenzene	0.0500	0.05515		mg/Kg		110	70 - 130	3	20	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCSD 490-208476/4**

**Matrix: Solid**

**Analysis Batch: 208476**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	0.0500	0.05304		mg/Kg		106	70 - 130	1	20
1,4-Dichlorobenzene	0.0500	0.05093		mg/Kg		102	70 - 130	0	20
Dichlorodifluoromethane	0.0500	0.05486		mg/Kg		110	70 - 130	1	20
1,1-Dichloroethane	0.0500	0.05815		mg/Kg		116	70 - 130	2	20
1,2-Dichloroethane	0.0500	0.05364		mg/Kg		107	70 - 130	6	20
1,1-Dichloroethene	0.0500	0.06097		mg/Kg		122	70 - 130	3	20
1,2-Dichloropropane	0.0500	0.05467		mg/Kg		109	70 - 130	8	20
Ethylbenzene	0.0500	0.05639		mg/Kg		113	70 - 130	2	20
2-Hexanone	0.250	0.2873		mg/Kg		115	70 - 130	6	20
Isopropylbenzene	0.0500	0.05971		mg/Kg		119	70 - 130	2	20
Methylcyclohexane	0.0500	0.05495		mg/Kg		110	70 - 130	3	20
Methylene Chloride	0.0500	0.05404		mg/Kg		108	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	0.250	0.2823		mg/Kg		113	70 - 130	4	20
Methyl tert-butyl ether	0.0500	0.05661		mg/Kg		113	70 - 130	1	20
Styrene	0.0500	0.05727		mg/Kg		115	70 - 130	0	20
1,1,2,2-Tetrachloroethane	0.0500	0.05223		mg/Kg		104	70 - 130	7	20
Tetrachloroethene	0.0500	0.05481		mg/Kg		110	70 - 130	4	20
Toluene	0.0500	0.05427		mg/Kg		109	70 - 130	4	20
trans-1,2-Dichloroethene	0.0500	0.05824		mg/Kg		116	70 - 130	2	20
trans-1,3-Dichloropropene	0.0500	0.04969		mg/Kg		99	70 - 130	1	20
1,2,3-Trichlorobenzene	0.0500	0.04820		mg/Kg		96	70 - 130	2	20
1,2,4-Trichlorobenzene	0.0500	0.04471		mg/Kg		89	70 - 130	3	20
1,1,1-Trichloroethane	0.0500	0.06010		mg/Kg		120	70 - 130	7	20
1,1,2-Trichloroethane	0.0500	0.05747		mg/Kg		115	70 - 130	5	20
Trichloroethene	0.0500	0.05964		mg/Kg		119	70 - 130	4	20
Trichlorofluoromethane	0.0500	0.06420		mg/Kg		128	70 - 130	2	20
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.06144		mg/Kg		123	70 - 130	1	20
Vinyl chloride	0.0500	0.05877		mg/Kg		118	70 - 130	1	20
Xylenes, Total	0.100	0.1070		mg/Kg		107	70 - 130	0	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	83		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	96		70 - 130

**Lab Sample ID: MB 490-208878/7**

**Matrix: Solid**

**Analysis Batch: 208878**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.0400		0.0500	0.0400	mg/Kg			11/25/14 11:46	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			11/25/14 11:46	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			11/25/14 11:46	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			11/25/14 11:46	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			11/25/14 11:46	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

Lab Sample ID: MB 490-208878/7

Matrix: Solid

Analysis Batch: 208878

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			11/25/14 11:46	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			11/25/14 11:46	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			11/25/14 11:46	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			11/25/14 11:46	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			11/25/14 11:46	1
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			11/25/14 11:46	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			11/25/14 11:46	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			11/25/14 11:46	1
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			11/25/14 11:46	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			11/25/14 11:46	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			11/25/14 11:46	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			11/25/14 11:46	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			11/25/14 11:46	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			11/25/14 11:46	1
Methylene Chloride	<0.000860		0.0100	0.000860	mg/Kg			11/25/14 11:46	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			11/25/14 11:46	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			11/25/14 11:46	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			11/25/14 11:46	1
1,1,1,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			11/25/14 11:46	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			11/25/14 11:46	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			11/25/14 11:46	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			11/25/14 11:46	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			11/25/14 11:46	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			11/25/14 11:46	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			11/25/14 11:46	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			11/25/14 11:46	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			11/25/14 11:46	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			11/25/14 11:46	1
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			11/25/14 11:46	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			11/25/14 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		11/25/14 11:46	1
Dibromofluoromethane (Surr)	101		70 - 130		11/25/14 11:46	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		11/25/14 11:46	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: MB 490-208878/7**  
**Matrix: Solid**  
**Analysis Batch: 208878**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Surrogate	MB MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery Qualifier				
Toluene-d8 (Surr)	96	70 - 130		11/25/14 11:46	1

**Lab Sample ID: LCS 490-208878/4**  
**Matrix: Solid**  
**Analysis Batch: 208878**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2898		mg/Kg		116	70 - 130
Benzene	0.0500	0.05314		mg/Kg		106	70 - 130
Bromochloromethane	0.0500	0.05965		mg/Kg		119	70 - 130
Bromodichloromethane	0.0500	0.05433		mg/Kg		109	70 - 130
Bromoform	0.0500	0.06747	*	mg/Kg		135	70 - 130
2-Butanone (MEK)	0.250	0.2867		mg/Kg		115	70 - 130
Carbon disulfide	0.0500	0.05690		mg/Kg		114	70 - 130
Carbon tetrachloride	0.0500	0.05592		mg/Kg		112	70 - 130
Chlorobenzene	0.0500	0.05475		mg/Kg		110	70 - 130
Chlorodibromomethane	0.0500	0.06125		mg/Kg		122	70 - 130
Chloroethane	0.0500	0.04928		mg/Kg		99	70 - 130
Chloroform	0.0500	0.05142		mg/Kg		103	70 - 130
Chloromethane	0.0500	0.03923		mg/Kg		78	70 - 130
cis-1,2-Dichloroethene	0.0500	0.05398		mg/Kg		108	70 - 130
cis-1,3-Dichloropropene	0.0500	0.05738		mg/Kg		115	70 - 130
Cyclohexane	0.0500	0.05283		mg/Kg		106	70 - 130
1,2-Dibromo-3-Chloropropane	0.0500	0.07578	*	mg/Kg		152	70 - 130
1,2-Dibromoethane (EDB)	0.0500	0.05698		mg/Kg		114	70 - 130
1,2-Dichlorobenzene	0.0500	0.05520		mg/Kg		110	70 - 130
1,3-Dichlorobenzene	0.0500	0.05483		mg/Kg		110	70 - 130
1,4-Dichlorobenzene	0.0500	0.05305		mg/Kg		106	70 - 130
Dichlorodifluoromethane	0.0500	0.05273		mg/Kg		105	70 - 130
1,1-Dichloroethane	0.0500	0.05109		mg/Kg		102	70 - 130
1,2-Dichloroethane	0.0500	0.05502		mg/Kg		110	70 - 130
1,1-Dichloroethene	0.0500	0.05215		mg/Kg		104	70 - 130
1,2-Dichloropropane	0.0500	0.05113		mg/Kg		102	70 - 130
Ethylbenzene	0.0500	0.05300		mg/Kg		106	70 - 130
2-Hexanone	0.250	0.3340	*	mg/Kg		134	70 - 130
Isopropylbenzene	0.0500	0.05446		mg/Kg		109	70 - 130
Methyl acetate	0.250	0.3699	*	mg/Kg		148	70 - 130
Methylcyclohexane	0.0500	0.05308		mg/Kg		106	70 - 130
Methylene Chloride	0.0500	0.04880		mg/Kg		98	70 - 130
4-Methyl-2-pentanone (MIBK)	0.250	0.3264	*	mg/Kg		131	70 - 130
Methyl tert-butyl ether	0.0500	0.05668		mg/Kg		113	70 - 130
Styrene	0.0500	0.05439		mg/Kg		109	70 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.05994		mg/Kg		120	70 - 130
Tetrachloroethene	0.0500	0.05152		mg/Kg		103	70 - 130
Toluene	0.0500	0.05274		mg/Kg		105	70 - 130
trans-1,2-Dichloroethene	0.0500	0.05102		mg/Kg		102	70 - 130
trans-1,3-Dichloropropene	0.0500	0.05191		mg/Kg		104	70 - 130
1,2,3-Trichlorobenzene	0.0500	0.05890		mg/Kg		118	70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCS 490-208878/4**

**Matrix: Solid**

**Analysis Batch: 208878**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.0500	0.05937		mg/Kg		119	70 - 130
1,1,1-Trichloroethane	0.0500	0.05306		mg/Kg		106	70 - 130
1,1,2-Trichloroethane	0.0500	0.05556		mg/Kg		111	70 - 130
Trichloroethene	0.0500	0.05388		mg/Kg		108	70 - 130
Trichlorofluoromethane	0.0500	0.05217		mg/Kg		104	70 - 130
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.05359		mg/Kg		107	70 - 130
Vinyl chloride	0.0500	0.05047		mg/Kg		101	70 - 130
Xylenes, Total	0.100	0.1051		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
Toluene-d8 (Surr)	97		70 - 130

**Lab Sample ID: LCSD 490-208878/5**

**Matrix: Solid**

**Analysis Batch: 208878**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.250	0.2768		mg/Kg		111	70 - 130	5	20
Benzene	0.0500	0.05579		mg/Kg		112	70 - 130	5	20
Bromochloromethane	0.0500	0.06050		mg/Kg		121	70 - 130	1	20
Bromodichloromethane	0.0500	0.05700		mg/Kg		114	70 - 130	5	20
Bromoform	0.0500	0.06953	*	mg/Kg		139	70 - 130	3	20
2-Butanone (MEK)	0.250	0.2940		mg/Kg		118	70 - 130	2	20
Carbon disulfide	0.0500	0.05857		mg/Kg		117	70 - 130	3	20
Carbon tetrachloride	0.0500	0.05907		mg/Kg		118	70 - 130	5	20
Chlorobenzene	0.0500	0.05625		mg/Kg		112	70 - 130	3	20
Chlorodibromomethane	0.0500	0.06466		mg/Kg		129	70 - 130	5	20
Chloroethane	0.0500	0.05098		mg/Kg		102	70 - 130	3	20
Chloroform	0.0500	0.05360		mg/Kg		107	70 - 130	4	20
Chloromethane	0.0500	0.04235		mg/Kg		85	70 - 130	8	20
cis-1,2-Dichloroethene	0.0500	0.05614		mg/Kg		112	70 - 130	4	20
cis-1,3-Dichloropropene	0.0500	0.05895		mg/Kg		118	70 - 130	3	20
Cyclohexane	0.0500	0.05577		mg/Kg		112	70 - 130	5	20
1,2-Dibromo-3-Chloropropane	0.0500	0.07787	*	mg/Kg		156	70 - 130	3	20
1,2-Dibromoethane (EDB)	0.0500	0.05895		mg/Kg		118	70 - 130	3	20
1,2-Dichlorobenzene	0.0500	0.05686		mg/Kg		114	70 - 130	3	20
1,3-Dichlorobenzene	0.0500	0.05585		mg/Kg		112	70 - 130	2	20
1,4-Dichlorobenzene	0.0500	0.05397		mg/Kg		108	70 - 130	2	20
Dichlorodifluoromethane	0.0500	0.05605		mg/Kg		112	70 - 130	6	20
1,1-Dichloroethane	0.0500	0.05299		mg/Kg		106	70 - 130	4	20
1,2-Dichloroethane	0.0500	0.05531		mg/Kg		111	70 - 130	1	20
1,1-Dichloroethene	0.0500	0.05570		mg/Kg		111	70 - 130	7	20
1,2-Dichloropropane	0.0500	0.05482		mg/Kg		110	70 - 130	7	20
Ethylbenzene	0.0500	0.05578		mg/Kg		112	70 - 130	5	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCSD 490-208878/5**

**Matrix: Solid**

**Analysis Batch: 208878**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
2-Hexanone	0.250	0.3446	*	mg/Kg		138	70 - 130	3	20
Isopropylbenzene	0.0500	0.05705		mg/Kg		114	70 - 130	5	20
Methyl acetate	0.250	0.3643	*	mg/Kg		146	70 - 130	2	20
Methylcyclohexane	0.0500	0.05707		mg/Kg		114	70 - 130	7	20
Methylene Chloride	0.0500	0.05122		mg/Kg		102	70 - 130	5	20
4-Methyl-2-pentanone (MIBK)	0.250	0.3260		mg/Kg		130	70 - 130	0	20
Methyl tert-butyl ether	0.0500	0.05967		mg/Kg		119	70 - 130	5	20
Styrene	0.0500	0.05577		mg/Kg		112	70 - 130	2	20
1,1,2,2-Tetrachloroethane	0.0500	0.06032		mg/Kg		121	70 - 130	1	20
Tetrachloroethene	0.0500	0.05516		mg/Kg		110	70 - 130	7	20
Toluene	0.0500	0.05457		mg/Kg		109	70 - 130	3	20
trans-1,2-Dichloroethene	0.0500	0.05288		mg/Kg		106	70 - 130	4	20
trans-1,3-Dichloropropene	0.0500	0.05393		mg/Kg		108	70 - 130	4	20
1,2,3-Trichlorobenzene	0.0500	0.05969		mg/Kg		119	70 - 130	1	20
1,2,4-Trichlorobenzene	0.0500	0.05862		mg/Kg		117	70 - 130	1	20
1,1,1-Trichloroethane	0.0500	0.05679		mg/Kg		114	70 - 130	7	20
1,1,2-Trichloroethane	0.0500	0.05800		mg/Kg		116	70 - 130	4	20
Trichloroethene	0.0500	0.05799		mg/Kg		116	70 - 130	7	20
Trichlorofluoromethane	0.0500	0.05337		mg/Kg		107	70 - 130	2	20
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.0500	0.05490		mg/Kg		110	70 - 130	2	20
Vinyl chloride	0.0500	0.05305		mg/Kg		106	70 - 130	5	20
Xylenes, Total	0.100	0.1101		mg/Kg		110	70 - 130	5	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
Toluene-d8 (Surr)	96		70 - 130

**Lab Sample ID: 490-67341-E-15-A MS**

**Matrix: Solid**

**Analysis Batch: 211566**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 209666**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.000649		0.0586	0.05036		mg/Kg	☼	86	70 - 130
Bromochloromethane	<0.000533		0.0586	0.05150		mg/Kg	☼	88	70 - 130
Bromodichloromethane	<0.000533		0.0586	0.05342		mg/Kg	☼	91	70 - 130
Bromoform	<0.000533		0.0586	0.05482		mg/Kg	☼	94	70 - 130
Bromomethane	<0.00116		0.0586	0.03236	F1	mg/Kg	☼	55	70 - 130
2-Butanone (MEK)	<0.00494		0.293	0.2981		mg/Kg	☼	102	70 - 130
Carbon disulfide	<0.00349		0.0586	0.05123		mg/Kg	☼	87	70 - 130
Carbon tetrachloride	<0.000649		0.0586	0.05239		mg/Kg	☼	89	70 - 130
Chlorobenzene	<0.000649		0.0586	0.03922	F1	mg/Kg	☼	67	70 - 130
Chlorodibromomethane	<0.000329		0.0586	0.05467		mg/Kg	☼	93	70 - 130
Chloroethane	<0.00184		0.0586	0.04805		mg/Kg	☼	82	70 - 130
Chloroform	<0.000649		0.0586	0.06039		mg/Kg	☼	103	70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: 490-67341-E-15-A MS**

**Matrix: Solid**

**Analysis Batch: 211566**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 209666**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Chloromethane	<0.000649		0.0586	0.04914		mg/Kg	*	84		70 - 130
cis-1,2-Dichloroethene	<0.000649		0.0586	0.05256		mg/Kg	*	90		70 - 130
cis-1,3-Dichloropropene	<0.000649		0.0586	0.05218		mg/Kg	*	89		70 - 130
Cyclohexane	0.00448	J	0.0586	0.05360		mg/Kg	*	84		70 - 130
1,2-Dibromo-3-Chloropropane	<0.000678	*	0.0586	0.06828		mg/Kg	*	117		70 - 130
1,2-Dibromoethane (EDB)	<0.000969		0.0586	0.05282		mg/Kg	*	90		70 - 130
1,2-Dichlorobenzene	<0.000329		0.0586	0.03200	F1	mg/Kg	*	55		70 - 130
1,3-Dichlorobenzene	<0.000649		0.0586	0.02938	F1	mg/Kg	*	50		70 - 130
1,4-Dichlorobenzene	<0.000649		0.0586	0.02773	F1	mg/Kg	*	47		70 - 130
Dichlorodifluoromethane	<0.000969		0.0586	0.05235		mg/Kg	*	89		70 - 130
1,1-Dichloroethane	<0.000649		0.0586	0.05102		mg/Kg	*	87		70 - 130
1,2-Dichloroethane	<0.000649		0.0586	0.05564		mg/Kg	*	95		70 - 130
1,1-Dichloroethene	<0.000552		0.0586	0.05105		mg/Kg	*	87		70 - 130
1,2-Dichloropropane	<0.000911		0.0586	0.05186		mg/Kg	*	89		70 - 130
Ethylbenzene	0.000877	J	0.0586	0.04218		mg/Kg	*	71		70 - 130
2-Hexanone	<0.0162		0.293	0.3403		mg/Kg	*	116		70 - 130
Isopropylbenzene	0.000938	J	0.0586	0.03827	F1	mg/Kg	*	64		70 - 130
Methyl acetate	<0.00233	*	0.293	0.1912	F1	mg/Kg	*	65		70 - 130
Methylcyclohexane	<0.00320		0.0586	0.04976		mg/Kg	*	85		70 - 130
Methylene Chloride	<0.000833		0.0586	0.05549		mg/Kg	*	95		70 - 130
4-Methyl-2-pentanone (MIBK)	<0.0165		0.293	0.3270		mg/Kg	*	112		70 - 130
Methyl tert-butyl ether	<0.000930		0.0586	0.05772		mg/Kg	*	99		50 - 150
Styrene	<0.00107		0.0586	0.03690	F1	mg/Kg	*	63		70 - 130
1,1,2,2-Tetrachloroethane	<0.000969		0.0586	0.05585		mg/Kg	*	95		70 - 130
Tetrachloroethene	<0.000707		0.0586	0.03877	F1	mg/Kg	*	66		70 - 130
Toluene	<0.000717		0.0586	0.04457		mg/Kg	*	76		70 - 130
trans-1,2-Dichloroethene	<0.000649		0.0586	0.05086		mg/Kg	*	87		70 - 130
trans-1,3-Dichloropropene	<0.000649		0.0586	0.04719		mg/Kg	*	81		70 - 130
1,2,3-Trichlorobenzene	<0.000368		0.0586	0.02471	F1	mg/Kg	*	42		70 - 130
1,2,4-Trichlorobenzene	<0.000649		0.0586	0.02318	F1	mg/Kg	*	40		70 - 130
1,1,1-Trichloroethane	<0.000891		0.0586	0.05314		mg/Kg	*	91		70 - 130
1,1,2-Trichloroethane	<0.00136		0.0586	0.05392		mg/Kg	*	92		70 - 130
Trichloroethene	<0.000930		0.0586	0.04495		mg/Kg	*	77		70 - 130
Trichlorofluoromethane	<0.000969		0.0586	0.05538		mg/Kg	*	95		70 - 130
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000765		0.0586	0.05424		mg/Kg	*	93		70 - 130
Vinyl chloride	<0.00107		0.0586	0.05421		mg/Kg	*	93		70 - 130
Xylenes, Total	0.00289	J	0.117	0.08862		mg/Kg	*	73		70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	114		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	103		70 - 130
Toluene-d8 (Surr)	98		70 - 130

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: 490-67341-E-15-B MSD**

**Matrix: Solid**

**Analysis Batch: 211566**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 209666**

Analyte	Sample	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
	Result			Result	Qualifier				Limits	RPD		
Acetone	<0.0388		0.259	0.2549		mg/Kg	☼	98	70 - 130	18	20	
Benzene	<0.000649		0.0519	0.04815		mg/Kg	☼	93	70 - 130	4	20	
Bromochloromethane	<0.000533		0.0519	0.04769		mg/Kg	☼	92	70 - 130	8	20	
Bromodichloromethane	<0.000533		0.0519	0.04943		mg/Kg	☼	95	70 - 130	8	20	
Bromoform	<0.000533		0.0519	0.05234		mg/Kg	☼	101	70 - 130	5	20	
Bromomethane	<0.00116		0.0519	0.03650		mg/Kg	☼	70	70 - 130	12	20	
2-Butanone (MEK)	<0.00494		0.259	0.2406	F2	mg/Kg	☼	93	70 - 130	21	20	
Carbon disulfide	<0.00349		0.0519	0.05018		mg/Kg	☼	97	70 - 130	2	20	
Carbon tetrachloride	<0.000649		0.0519	0.04939		mg/Kg	☼	95	70 - 130	6	20	
Chlorobenzene	<0.000649		0.0519	0.04477		mg/Kg	☼	86	70 - 130	13	20	
Chlorodibromomethane	<0.000329		0.0519	0.05267		mg/Kg	☼	102	70 - 130	4	20	
Chloroethane	<0.00184		0.0519	0.04242		mg/Kg	☼	82	70 - 130	12	20	
Chloroform	<0.000649		0.0519	0.06201		mg/Kg	☼	120	70 - 130	3	20	
Chloromethane	<0.000649		0.0519	0.04386		mg/Kg	☼	85	70 - 130	11	20	
cis-1,2-Dichloroethene	<0.000649		0.0519	0.04959		mg/Kg	☼	96	70 - 130	6	20	
cis-1,3-Dichloropropene	<0.000649		0.0519	0.05233		mg/Kg	☼	101	70 - 130	0	20	
Cyclohexane	0.00448	J	0.0519	0.05026		mg/Kg	☼	88	70 - 130	6	20	
1,2-Dibromo-3-Chloropropane	<0.000678	*	0.0519	0.06353		mg/Kg	☼	122	70 - 130	7	20	
1,2-Dibromoethane (EDB)	<0.000969		0.0519	0.05049		mg/Kg	☼	97	70 - 130	5	20	
1,2-Dichlorobenzene	<0.000329		0.0519	0.03992	F2	mg/Kg	☼	77	70 - 130	22	20	
1,3-Dichlorobenzene	<0.000649		0.0519	0.03888	F2	mg/Kg	☼	75	70 - 130	28	20	
1,4-Dichlorobenzene	<0.000649		0.0519	0.03666	F2	mg/Kg	☼	71	70 - 130	28	20	
Dichlorodifluoromethane	<0.000969		0.0519	0.04417		mg/Kg	☼	85	70 - 130	17	20	
1,1-Dichloroethane	<0.000649		0.0519	0.04753		mg/Kg	☼	92	70 - 130	7	20	
1,2-Dichloroethane	<0.000649		0.0519	0.05015		mg/Kg	☼	97	70 - 130	10	20	
1,1-Dichloroethene	<0.000552		0.0519	0.04716		mg/Kg	☼	91	70 - 130	8	20	
1,2-Dichloropropane	<0.000911		0.0519	0.04767		mg/Kg	☼	92	70 - 130	8	20	
Ethylbenzene	0.000877	J	0.0519	0.05139		mg/Kg	☼	97	70 - 130	20	20	
2-Hexanone	<0.0162		0.259	0.3041		mg/Kg	☼	117	70 - 130	11	20	
Isopropylbenzene	0.000938	J	0.0519	0.04925	F2	mg/Kg	☼	93	70 - 130	25	20	
Methyl acetate	<0.00233	*	0.259	0.1741	F1	mg/Kg	☼	67	70 - 130	9	20	
Methylcyclohexane	<0.00320		0.0519	0.04777		mg/Kg	☼	92	70 - 130	4	20	
Methylene Chloride	<0.000833		0.0519	0.05151		mg/Kg	☼	99	70 - 130	7	20	
4-Methyl-2-pentanone (MIBK)	<0.0165		0.259	0.2974		mg/Kg	☼	115	70 - 130	9	20	
Methyl tert-butyl ether	<0.000930		0.0519	0.05070		mg/Kg	☼	98	50 - 150	13	20	
Styrene	<0.00107		0.0519	0.04441		mg/Kg	☼	86	70 - 130	18	20	
1,1,2,2-Tetrachloroethane	<0.000969		0.0519	0.05253		mg/Kg	☼	101	70 - 130	6	20	
Tetrachloroethene	<0.000707		0.0519	0.04347		mg/Kg	☼	84	70 - 130	11	20	
Toluene	<0.000717		0.0519	0.04885		mg/Kg	☼	94	70 - 130	9	20	
trans-1,2-Dichloroethene	<0.000649		0.0519	0.04801		mg/Kg	☼	93	70 - 130	6	20	
trans-1,3-Dichloropropene	<0.000649		0.0519	0.04832		mg/Kg	☼	93	70 - 130	2	20	
1,2,3-Trichlorobenzene	<0.000368		0.0519	0.02987	F1	mg/Kg	☼	58	70 - 130	19	20	
1,2,4-Trichlorobenzene	<0.000649		0.0519	0.02885	F1 F2	mg/Kg	☼	56	70 - 130	22	20	
1,1,1-Trichloroethane	<0.000891		0.0519	0.04922		mg/Kg	☼	95	70 - 130	8	20	
1,1,2-Trichloroethane	<0.00136		0.0519	0.05259		mg/Kg	☼	101	70 - 130	3	20	
Trichloroethene	<0.000930		0.0519	0.04605		mg/Kg	☼	89	70 - 130	2	20	
Trichlorofluoromethane	<0.000969		0.0519	0.04997		mg/Kg	☼	96	70 - 130	10	20	

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: 490-67341-E-15-B MSD**

**Matrix: Solid**

**Analysis Batch: 211566**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 209666**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000765		0.0519	0.04881		mg/Kg	☼	94	70 - 130	11	20
Vinyl chloride	<0.00107		0.0519	0.04703		mg/Kg	☼	91	70 - 130	14	20
Xylenes, Total	0.00289	J	0.104	0.1113	F2	mg/Kg	☼	104	70 - 130	23	20
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
4-Bromofluorobenzene (Surr)	107		70 - 130								
Dibromofluoromethane (Surr)	99		70 - 130								
1,2-Dichloroethane-d4 (Surr)	103		70 - 130								
Toluene-d8 (Surr)	101		70 - 130								

**Lab Sample ID: MB 490-211566/8**

**Matrix: Solid**

**Analysis Batch: 211566**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<2.00		2.50	2.00	mg/Kg			12/05/14 15:35	1
Benzene	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
Bromochloromethane	<0.0275		0.100	0.0275	mg/Kg			12/05/14 15:35	1
Bromodichloromethane	<0.0275		0.100	0.0275	mg/Kg			12/05/14 15:35	1
Bromoform	<0.0275		0.100	0.0275	mg/Kg			12/05/14 15:35	1
Bromomethane	<0.0600		0.100	0.0600	mg/Kg			12/05/14 15:35	1
2-Butanone (MEK)	<0.255		2.50	0.255	mg/Kg			12/05/14 15:35	1
Carbon disulfide	<0.180		0.250	0.180	mg/Kg			12/05/14 15:35	1
Carbon tetrachloride	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
Chlorobenzene	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
Chlorodibromomethane	<0.0170		0.100	0.0170	mg/Kg			12/05/14 15:35	1
Chloroethane	<0.0950		0.250	0.0950	mg/Kg			12/05/14 15:35	1
Chloroform	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
Chloromethane	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
cis-1,2-Dichloroethene	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
cis-1,3-Dichloropropene	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
Cyclohexane	<0.165		0.500	0.165	mg/Kg			12/05/14 15:35	1
1,2-Dibromo-3-Chloropropane	<0.0350		0.250	0.0350	mg/Kg			12/05/14 15:35	1
1,2-Dibromoethane (EDB)	<0.0500		0.100	0.0500	mg/Kg			12/05/14 15:35	1
1,2-Dichlorobenzene	<0.0170		0.100	0.0170	mg/Kg			12/05/14 15:35	1
1,3-Dichlorobenzene	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
1,4-Dichlorobenzene	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
Dichlorodifluoromethane	<0.0500		0.100	0.0500	mg/Kg			12/05/14 15:35	1
1,1-Dichloroethane	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
1,2-Dichloroethane	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
1,1-Dichloroethene	<0.0285		0.100	0.0285	mg/Kg			12/05/14 15:35	1
1,2-Dichloropropane	<0.0470		0.100	0.0470	mg/Kg			12/05/14 15:35	1
Ethylbenzene	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
2-Hexanone	<0.835		2.50	0.835	mg/Kg			12/05/14 15:35	1
Isopropylbenzene	<0.0205		0.100	0.0205	mg/Kg			12/05/14 15:35	1
Methyl acetate	<0.120		0.500	0.120	mg/Kg			12/05/14 15:35	1
Methylcyclohexane	<0.165		0.500	0.165	mg/Kg			12/05/14 15:35	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

Lab Sample ID: MB 490-211566/8

Matrix: Solid

Analysis Batch: 211566

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.0430		0.500	0.0430	mg/Kg			12/05/14 15:35	1
4-Methyl-2-pentanone (MIBK)	<0.850		2.50	0.850	mg/Kg			12/05/14 15:35	1
Methyl tert-butyl ether	<0.0480		0.100	0.0480	mg/Kg			12/05/14 15:35	1
Styrene	<0.0550		0.100	0.0550	mg/Kg			12/05/14 15:35	1
1,1,2,2-Tetrachloroethane	<0.0500		0.100	0.0500	mg/Kg			12/05/14 15:35	1
Tetrachloroethene	<0.0365		0.100	0.0365	mg/Kg			12/05/14 15:35	1
Toluene	<0.0370		0.100	0.0370	mg/Kg			12/05/14 15:35	1
trans-1,2-Dichloroethene	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
trans-1,3-Dichloropropene	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
1,2,3-Trichlorobenzene	<0.0190		0.100	0.0190	mg/Kg			12/05/14 15:35	1
1,2,4-Trichlorobenzene	<0.0335		0.100	0.0335	mg/Kg			12/05/14 15:35	1
1,1,1-Trichloroethane	<0.0460		0.100	0.0460	mg/Kg			12/05/14 15:35	1
1,1,2-Trichloroethane	<0.0700		0.250	0.0700	mg/Kg			12/05/14 15:35	1
Trichloroethene	<0.0480		0.100	0.0480	mg/Kg			12/05/14 15:35	1
Trichlorofluoromethane	<0.0500		0.100	0.0500	mg/Kg			12/05/14 15:35	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.0395		0.100	0.0395	mg/Kg			12/05/14 15:35	1
Vinyl chloride	<0.0550		0.100	0.0550	mg/Kg			12/05/14 15:35	1
Xylenes, Total	<0.0335		0.150	0.0335	mg/Kg			12/05/14 15:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		12/05/14 15:35	1
Dibromofluoromethane (Surr)	105		70 - 130		12/05/14 15:35	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		12/05/14 15:35	1
Toluene-d8 (Surr)	102		70 - 130		12/05/14 15:35	1

Lab Sample ID: MB 490-211566/9

Matrix: Solid

Analysis Batch: 211566

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0400		0.0500	0.0400	mg/Kg			12/05/14 16:02	1
Benzene	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
Bromochloromethane	<0.000550		0.00200	0.000550	mg/Kg			12/05/14 16:02	1
Bromodichloromethane	<0.000550		0.00200	0.000550	mg/Kg			12/05/14 16:02	1
Bromoform	<0.000550		0.00200	0.000550	mg/Kg			12/05/14 16:02	1
Bromomethane	<0.00120		0.00200	0.00120	mg/Kg			12/05/14 16:02	1
2-Butanone (MEK)	<0.00510		0.0500	0.00510	mg/Kg			12/05/14 16:02	1
Carbon disulfide	<0.00360		0.00500	0.00360	mg/Kg			12/05/14 16:02	1
Carbon tetrachloride	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
Chlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
Chlorodibromomethane	<0.000340		0.00200	0.000340	mg/Kg			12/05/14 16:02	1
Chloroethane	<0.00190		0.00500	0.00190	mg/Kg			12/05/14 16:02	1
Chloroform	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
Chloromethane	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
cis-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
cis-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
Cyclohexane	<0.00330		0.0100	0.00330	mg/Kg			12/05/14 16:02	1
1,2-Dibromo-3-Chloropropane	<0.000700		0.00500	0.000700	mg/Kg			12/05/14 16:02	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

Lab Sample ID: MB 490-211566/9

Matrix: Solid

Analysis Batch: 211566

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	<0.00100		0.00200	0.00100	mg/Kg			12/05/14 16:02	1
1,2-Dichlorobenzene	<0.000340		0.00200	0.000340	mg/Kg			12/05/14 16:02	1
1,3-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
1,4-Dichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
Dichlorodifluoromethane	<0.00100		0.00200	0.00100	mg/Kg			12/05/14 16:02	1
1,1-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
1,2-Dichloroethane	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
1,1-Dichloroethene	<0.000570		0.00200	0.000570	mg/Kg			12/05/14 16:02	1
1,2-Dichloropropane	<0.000940		0.00200	0.000940	mg/Kg			12/05/14 16:02	1
Ethylbenzene	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
2-Hexanone	<0.0167		0.0500	0.0167	mg/Kg			12/05/14 16:02	1
Isopropylbenzene	<0.000410		0.00200	0.000410	mg/Kg			12/05/14 16:02	1
Methyl acetate	<0.00240		0.0100	0.00240	mg/Kg			12/05/14 16:02	1
Methylcyclohexane	<0.00330		0.0100	0.00330	mg/Kg			12/05/14 16:02	1
Methylene Chloride	<0.000860		0.0100	0.000860	mg/Kg			12/05/14 16:02	1
4-Methyl-2-pentanone (MIBK)	<0.0170		0.0500	0.0170	mg/Kg			12/05/14 16:02	1
Methyl tert-butyl ether	<0.000960		0.00200	0.000960	mg/Kg			12/05/14 16:02	1
Styrene	<0.00110		0.00200	0.00110	mg/Kg			12/05/14 16:02	1
1,1,2,2-Tetrachloroethane	<0.00100		0.00200	0.00100	mg/Kg			12/05/14 16:02	1
Tetrachloroethene	<0.000730		0.00200	0.000730	mg/Kg			12/05/14 16:02	1
Toluene	<0.000740		0.00200	0.000740	mg/Kg			12/05/14 16:02	1
trans-1,2-Dichloroethene	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
trans-1,3-Dichloropropene	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
1,2,3-Trichlorobenzene	<0.000380		0.00200	0.000380	mg/Kg			12/05/14 16:02	1
1,2,4-Trichlorobenzene	<0.000670		0.00200	0.000670	mg/Kg			12/05/14 16:02	1
1,1,1-Trichloroethane	<0.000920		0.00200	0.000920	mg/Kg			12/05/14 16:02	1
1,1,2-Trichloroethane	<0.00140		0.00500	0.00140	mg/Kg			12/05/14 16:02	1
Trichloroethene	<0.000960		0.00200	0.000960	mg/Kg			12/05/14 16:02	1
Trichlorofluoromethane	<0.00100		0.00200	0.00100	mg/Kg			12/05/14 16:02	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.000790		0.00200	0.000790	mg/Kg			12/05/14 16:02	1
Vinyl chloride	<0.00110		0.00200	0.00110	mg/Kg			12/05/14 16:02	1
Xylenes, Total	<0.000670		0.00300	0.000670	mg/Kg			12/05/14 16:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		12/05/14 16:02	1
Dibromofluoromethane (Surr)	108		70 - 130		12/05/14 16:02	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 130		12/05/14 16:02	1
Toluene-d8 (Surr)	98		70 - 130		12/05/14 16:02	1

Lab Sample ID: LCS 490-211566/5

Matrix: Solid

Analysis Batch: 211566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2642		mg/Kg		106	70 - 130
Benzene	0.0500	0.05344		mg/Kg		107	70 - 130
Bromochloromethane	0.0500	0.05672		mg/Kg		113	70 - 130
Bromodichloromethane	0.0500	0.05356		mg/Kg		107	70 - 130

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCS 490-211566/5**

**Matrix: Solid**

**Analysis Batch: 211566**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
Bromoform	0.0500	0.06222		mg/Kg		124	70 - 130
Bromomethane	0.0500	0.05737		mg/Kg		115	70 - 130
2-Butanone (MEK)	0.250	0.2568		mg/Kg		103	70 - 130
Carbon disulfide	0.0500	0.05546		mg/Kg		111	70 - 130
Carbon tetrachloride	0.0500	0.05693		mg/Kg		114	70 - 130
Chlorobenzene	0.0500	0.05305		mg/Kg		106	70 - 130
Chlorodibromomethane	0.0500	0.05998		mg/Kg		120	70 - 130
Chloroethane	0.0500	0.05177		mg/Kg		104	70 - 130
Chloroform	0.0500	0.05278		mg/Kg		106	70 - 130
Chloromethane	0.0500	0.05052		mg/Kg		101	70 - 130
cis-1,2-Dichloroethene	0.0500	0.05337		mg/Kg		107	70 - 130
cis-1,3-Dichloropropene	0.0500	0.05669		mg/Kg		113	70 - 130
Cyclohexane	0.0500	0.05226		mg/Kg		105	70 - 130
1,2-Dibromo-3-Chloropropane	0.0500	0.07256	*	mg/Kg		145	70 - 130
1,2-Dibromoethane (EDB)	0.0500	0.05732		mg/Kg		115	70 - 130
1,2-Dichlorobenzene	0.0500	0.05199		mg/Kg		104	70 - 130
1,3-Dichlorobenzene	0.0500	0.05035		mg/Kg		101	70 - 130
1,4-Dichlorobenzene	0.0500	0.04750		mg/Kg		95	70 - 130
Dichlorodifluoromethane	0.0500	0.05479		mg/Kg		110	70 - 130
1,1-Dichloroethane	0.0500	0.05367		mg/Kg		107	70 - 130
1,2-Dichloroethane	0.0500	0.05641		mg/Kg		113	70 - 130
1,1,1-Dichloroethene	0.0500	0.05409		mg/Kg		108	70 - 130
1,2-Dichloropropane	0.0500	0.05450		mg/Kg		109	70 - 130
Ethylbenzene	0.0500	0.05214		mg/Kg		104	70 - 130
2-Hexanone	0.250	0.3098		mg/Kg		124	70 - 130
Isopropylbenzene	0.0500	0.05384		mg/Kg		108	70 - 130
Methyl acetate	0.250	0.1719	*	mg/Kg		69	70 - 130
Methylcyclohexane	0.0500	0.04961		mg/Kg		99	70 - 130
Methylene Chloride	0.0500	0.05044		mg/Kg		101	70 - 130
4-Methyl-2-pentanone (MIBK)	0.250	0.3080		mg/Kg		123	70 - 130
Methyl tert-butyl ether	0.0500	0.04823		mg/Kg		96	70 - 130
Styrene	0.0500	0.05162		mg/Kg		103	70 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.05758		mg/Kg		115	70 - 130
Tetrachloroethene	0.0500	0.04914		mg/Kg		98	70 - 130
Toluene	0.0500	0.05283		mg/Kg		106	70 - 130
trans-1,2-Dichloroethene	0.0500	0.05541		mg/Kg		111	70 - 130
trans-1,3-Dichloropropene	0.0500	0.05112		mg/Kg		102	70 - 130
1,2,3-Trichlorobenzene	0.0500	0.05160		mg/Kg		103	70 - 130
1,2,4-Trichlorobenzene	0.0500	0.04689		mg/Kg		94	70 - 130
1,1,1-Trichloroethane	0.0500	0.05610		mg/Kg		112	70 - 130
1,1,2-Trichloroethane	0.0500	0.05699		mg/Kg		114	70 - 130
Trichloroethene	0.0500	0.05370		mg/Kg		107	70 - 130
Trichlorofluoromethane	0.0500	0.05605		mg/Kg		112	70 - 130
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.05303		mg/Kg		106	70 - 130
Vinyl chloride	0.0500	0.05551		mg/Kg		111	70 - 130
Xylenes, Total	0.100	0.1019		mg/Kg		102	70 - 130

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCS 490-211566/5**

**Matrix: Solid**

**Analysis Batch: 211566**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
Toluene-d8 (Surr)	102		70 - 130

**Lab Sample ID: LCSD 490-211566/6**

**Matrix: Solid**

**Analysis Batch: 211566**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Acetone	0.250	0.2626		mg/Kg		105	70 - 130	1	20
Benzene	0.0500	0.05416		mg/Kg		108	70 - 130	1	20
Bromochloromethane	0.0500	0.05680		mg/Kg		114	70 - 130	0	20
Bromodichloromethane	0.0500	0.05546		mg/Kg		111	70 - 130	3	20
Bromoform	0.0500	0.06327		mg/Kg		127	70 - 130	2	20
Bromomethane	0.0500	0.05715		mg/Kg		114	70 - 130	0	20
2-Butanone (MEK)	0.250	0.2647		mg/Kg		106	70 - 130	3	20
Carbon disulfide	0.0500	0.05656		mg/Kg		113	70 - 130	2	20
Carbon tetrachloride	0.0500	0.05792		mg/Kg		116	70 - 130	2	20
Chlorobenzene	0.0500	0.05330		mg/Kg		107	70 - 130	0	20
Chlorodibromomethane	0.0500	0.05775		mg/Kg		116	70 - 130	4	20
Chloroethane	0.0500	0.05193		mg/Kg		104	70 - 130	0	20
Chloroform	0.0500	0.05406		mg/Kg		108	70 - 130	2	20
Chloromethane	0.0500	0.05238		mg/Kg		105	70 - 130	4	20
cis-1,2-Dichloroethene	0.0500	0.05486		mg/Kg		110	70 - 130	3	20
cis-1,3-Dichloropropene	0.0500	0.05574		mg/Kg		111	70 - 130	2	20
Cyclohexane	0.0500	0.05330		mg/Kg		107	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	0.0500	0.07268 *		mg/Kg		145	70 - 130	0	20
1,2-Dibromoethane (EDB)	0.0500	0.05572		mg/Kg		111	70 - 130	3	20
1,2-Dichlorobenzene	0.0500	0.05237		mg/Kg		105	70 - 130	1	20
1,3-Dichlorobenzene	0.0500	0.05126		mg/Kg		103	70 - 130	2	20
1,4-Dichlorobenzene	0.0500	0.04852		mg/Kg		97	70 - 130	2	20
Dichlorodifluoromethane	0.0500	0.05580		mg/Kg		112	70 - 130	2	20
1,1-Dichloroethane	0.0500	0.05552		mg/Kg		111	70 - 130	3	20
1,2-Dichloroethane	0.0500	0.05896		mg/Kg		118	70 - 130	4	20
1,1-Dichloroethene	0.0500	0.05447		mg/Kg		109	70 - 130	1	20
1,2-Dichloropropane	0.0500	0.05608		mg/Kg		112	70 - 130	3	20
Ethylbenzene	0.0500	0.05174		mg/Kg		103	70 - 130	1	20
2-Hexanone	0.250	0.3080		mg/Kg		123	70 - 130	1	20
Isopropylbenzene	0.0500	0.05451		mg/Kg		109	70 - 130	1	20
Methyl acetate	0.250	0.1622 *		mg/Kg		65	70 - 130	6	20
Methylcyclohexane	0.0500	0.05080		mg/Kg		102	70 - 130	2	20
Methylene Chloride	0.0500	0.05076		mg/Kg		102	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	0.250	0.3027		mg/Kg		121	70 - 130	2	20
Methyl tert-butyl ether	0.0500	0.05010		mg/Kg		100	70 - 130	4	20
Styrene	0.0500	0.05362		mg/Kg		107	70 - 130	4	20
1,1,1,2-Tetrachloroethane	0.0500	0.05693		mg/Kg		114	70 - 130	1	20
Tetrachloroethene	0.0500	0.04796		mg/Kg		96	70 - 130	2	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - TCL VOA (Continued)

**Lab Sample ID: LCSD 490-211566/6**

**Matrix: Solid**

**Analysis Batch: 211566**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							RPD	Limit		
Toluene	0.0500	0.05055		mg/Kg		101	70 - 130	4	20	
trans-1,2-Dichloroethene	0.0500	0.05416		mg/Kg		108	70 - 130	2	20	
trans-1,3-Dichloropropene	0.0500	0.04925		mg/Kg		98	70 - 130	4	20	
1,2,3-Trichlorobenzene	0.0500	0.05193		mg/Kg		104	70 - 130	1	20	
1,2,4-Trichlorobenzene	0.0500	0.04904		mg/Kg		98	70 - 130	4	20	
1,1,1-Trichloroethane	0.0500	0.05568		mg/Kg		111	70 - 130	1	20	
1,1,2-Trichloroethane	0.0500	0.05552		mg/Kg		111	70 - 130	3	20	
Trichloroethene	0.0500	0.05383		mg/Kg		108	70 - 130	0	20	
Trichlorofluoromethane	0.0500	0.05544		mg/Kg		111	70 - 130	1	20	
1,1,2-Trichloro-1,2,2-trichloroethane	0.0500	0.05445		mg/Kg		109	70 - 130	3	20	
Vinyl chloride	0.0500	0.05662		mg/Kg		113	70 - 130	2	20	
Xylenes, Total	0.100	0.1041		mg/Kg		104	70 - 130	2	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	107		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
Toluene-d8 (Surr)	96		70 - 130

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-210169/7**

**Matrix: Water**

**Analysis Batch: 210169**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<2.66		25.0	2.66	ug/L			11/30/14 15:30	1
Benzene	<0.200		1.00	0.200	ug/L			11/30/14 15:30	1
Bromochloromethane	<0.150		1.00	0.150	ug/L			11/30/14 15:30	1
Bromodichloromethane	<0.170		1.00	0.170	ug/L			11/30/14 15:30	1
Bromoform	<0.290		1.00	0.290	ug/L			11/30/14 15:30	1
Bromomethane	<0.350		1.00	0.350	ug/L			11/30/14 15:30	1
2-Butanone (MEK)	<2.64		50.0	2.64	ug/L			11/30/14 15:30	1
Carbon disulfide	<0.220		1.00	0.220	ug/L			11/30/14 15:30	1
Carbon tetrachloride	<0.180		1.00	0.180	ug/L			11/30/14 15:30	1
Chlorobenzene	<0.180		1.00	0.180	ug/L			11/30/14 15:30	1
Chlorodibromomethane	<0.250		1.00	0.250	ug/L			11/30/14 15:30	1
Chloroethane	<0.360		1.00	0.360	ug/L			11/30/14 15:30	1
Chloroform	<0.230		1.00	0.230	ug/L			11/30/14 15:30	1
Chloromethane	<0.360		1.00	0.360	ug/L			11/30/14 15:30	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			11/30/14 15:30	1
cis-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			11/30/14 15:30	1
Cyclohexane	<0.220		5.00	0.220	ug/L			11/30/14 15:30	1
1,2-Dibromo-3-Chloropropane	<0.940		10.0	0.940	ug/L			11/30/14 15:30	1
1,2-Dibromoethane (EDB)	<0.210		1.00	0.210	ug/L			11/30/14 15:30	1
1,2-Dichlorobenzene	<0.190		1.00	0.190	ug/L			11/30/14 15:30	1
1,3-Dichlorobenzene	<0.180		1.00	0.180	ug/L			11/30/14 15:30	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-210169/7**

**Matrix: Water**

**Analysis Batch: 210169**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dichlorobenzene	<0.170		1.00	0.170	ug/L			11/30/14 15:30	1
Dichlorodifluoromethane	<0.170		1.00	0.170	ug/L			11/30/14 15:30	1
1,1-Dichloroethane	<0.240		1.00	0.240	ug/L			11/30/14 15:30	1
1,2-Dichloroethane	<0.200		1.00	0.200	ug/L			11/30/14 15:30	1
1,1-Dichloroethene	<0.250		1.00	0.250	ug/L			11/30/14 15:30	1
1,2-Dichloropropane	<0.250		1.00	0.250	ug/L			11/30/14 15:30	1
Ethylbenzene	<0.190		1.00	0.190	ug/L			11/30/14 15:30	1
2-Hexanone	<1.28		10.0	1.28	ug/L			11/30/14 15:30	1
Isopropylbenzene	<0.330		1.00	0.330	ug/L			11/30/14 15:30	1
Methyl acetate	<0.720		10.0	0.720	ug/L			11/30/14 15:30	1
Methylcyclohexane	<0.200		5.00	0.200	ug/L			11/30/14 15:30	1
Methylene Chloride	<0.220		5.00	0.220	ug/L			11/30/14 15:30	1
4-Methyl-2-pentanone (MIBK)	<0.810		10.0	0.810	ug/L			11/30/14 15:30	1
Methyl tert-butyl ether	<0.170		1.00	0.170	ug/L			11/30/14 15:30	1
Styrene	<0.280		1.00	0.280	ug/L			11/30/14 15:30	1
1,1,2,2-Tetrachloroethane	<0.190		1.00	0.190	ug/L			11/30/14 15:30	1
Tetrachloroethene	<0.140		1.00	0.140	ug/L			11/30/14 15:30	1
Toluene	<0.170		1.00	0.170	ug/L			11/30/14 15:30	1
trans-1,2-Dichloroethene	<0.230		1.00	0.230	ug/L			11/30/14 15:30	1
trans-1,3-Dichloropropene	<0.170		1.00	0.170	ug/L			11/30/14 15:30	1
1,2,3-Trichlorobenzene	<0.230		1.00	0.230	ug/L			11/30/14 15:30	1
1,2,4-Trichlorobenzene	<0.200		1.00	0.200	ug/L			11/30/14 15:30	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			11/30/14 15:30	1
1,1,2-Trichloroethane	<0.190		1.00	0.190	ug/L			11/30/14 15:30	1
Trichloroethene	<0.200		1.00	0.200	ug/L			11/30/14 15:30	1
Trichlorofluoromethane	<0.210		1.00	0.210	ug/L			11/30/14 15:30	1
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		1.00	0.330	ug/L			11/30/14 15:30	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			11/30/14 15:30	1
Xylenes, Total	<0.380		2.00	0.380	ug/L			11/30/14 15:30	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	100		70 - 130		11/30/14 15:30	1
Dibromofluoromethane (Surr)	102		70 - 130		11/30/14 15:30	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		11/30/14 15:30	1
Toluene-d8 (Surr)	93		70 - 130		11/30/14 15:30	1

**Lab Sample ID: LCS 490-210169/3**

**Matrix: Water**

**Analysis Batch: 210169**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Acetone	250	203.1		ug/L		81	54 - 145
Benzene	50.0	46.25		ug/L		93	80 - 121
Bromochloromethane	50.0	59.73		ug/L		119	78 - 129
Bromodichloromethane	50.0	50.75		ug/L		101	75 - 129
Bromoform	50.0	60.60		ug/L		121	46 - 145
Bromomethane	50.0	48.50		ug/L		97	41 - 150
2-Butanone (MEK)	250	248.3		ug/L		99	62 - 133

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-210169/3**

**Matrix: Water**

**Analysis Batch: 210169**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	50.0	48.03		ug/L		96	77 - 126
Carbon tetrachloride	50.0	60.15		ug/L		120	64 - 147
Chlorobenzene	50.0	47.64		ug/L		95	80 - 120
Chlorodibromomethane	50.0	54.78		ug/L		110	69 - 133
Chloroethane	50.0	42.56		ug/L		85	72 - 120
Chloroform	50.0	50.21		ug/L		100	73 - 129
Chloromethane	50.0	34.37		ug/L		69	12 - 150
cis-1,2-Dichloroethene	50.0	46.23		ug/L		92	76 - 125
cis-1,3-Dichloropropene	50.0	46.64		ug/L		93	74 - 140
Cyclohexane	50.0	45.52		ug/L		91	73 - 122
1,2-Dibromo-3-Chloropropane	50.0	54.07		ug/L		108	54 - 125
1,2-Dibromoethane (EDB)	50.0	56.36		ug/L		113	80 - 129
1,2-Dichlorobenzene	50.0	51.85		ug/L		104	80 - 121
1,3-Dichlorobenzene	50.0	50.14		ug/L		100	80 - 122
1,4-Dichlorobenzene	50.0	47.22		ug/L		94	80 - 120
Dichlorodifluoromethane	50.0	51.50		ug/L		103	37 - 127
1,1-Dichloroethane	50.0	45.88		ug/L		92	78 - 125
1,2-Dichloroethane	50.0	50.62		ug/L		101	77 - 121
1,1,1-Dichloroethane	50.0	51.19		ug/L		102	79 - 124
1,2-Dichloropropane	50.0	42.63		ug/L		85	75 - 120
Ethylbenzene	50.0	51.88		ug/L		104	80 - 130
2-Hexanone	250	240.6		ug/L		96	60 - 142
Isopropylbenzene	50.0	50.05		ug/L		100	80 - 141
Methyl acetate	250	211.4		ug/L		85	64 - 150
Methylcyclohexane	50.0	52.13		ug/L		104	71 - 129
Methylene Chloride	50.0	47.12		ug/L		94	79 - 123
4-Methyl-2-pentanone (MIBK)	250	237.0		ug/L		95	60 - 137
Methyl tert-butyl ether	50.0	53.97		ug/L		108	72 - 133
Styrene	50.0	50.69		ug/L		101	80 - 127
1,1,1,2-Tetrachloroethane	50.0	48.32		ug/L		97	69 - 131
Tetrachloroethene	50.0	53.48		ug/L		107	80 - 126
Toluene	50.0	46.39		ug/L		93	80 - 126
trans-1,2-Dichloroethene	50.0	44.11		ug/L		88	79 - 126
trans-1,3-Dichloropropene	50.0	50.39		ug/L		101	63 - 134
1,2,3-Trichlorobenzene	50.0	55.28		ug/L		111	62 - 133
1,2,4-Trichlorobenzene	50.0	58.76	E	ug/L		118	63 - 133
1,1,1-Trichloroethane	50.0	53.91		ug/L		108	78 - 135
1,1,2-Trichloroethane	50.0	48.10		ug/L		96	80 - 124
Trichloroethene	50.0	55.04		ug/L		110	80 - 123
Trichlorofluoromethane	50.0	60.34		ug/L		121	65 - 124
1,1,2-Trichloro-1,2,2-trichloroethane	50.0	55.68		ug/L		111	77 - 129
Vinyl chloride	50.0	40.79		ug/L		82	68 - 120
Xylenes, Total	100	107.1		ug/L		107	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-210169/3

Matrix: Water

Analysis Batch: 210169

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Lab Sample ID: LCSD 490-210169/4

Matrix: Water

Analysis Batch: 210169

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	194.2		ug/L		78	54 - 145	4	21
Benzene	50.0	45.76		ug/L		92	80 - 121	1	17
Bromochloromethane	50.0	59.14		ug/L		118	78 - 129	1	17
Bromodichloromethane	50.0	49.04		ug/L		98	75 - 129	3	18
Bromoform	50.0	60.32		ug/L		121	46 - 145	0	16
Bromomethane	50.0	47.19		ug/L		94	41 - 150	3	50
2-Butanone (MEK)	250	244.1		ug/L		98	62 - 133	2	19
Carbon disulfide	50.0	46.69		ug/L		93	77 - 126	3	21
Carbon tetrachloride	50.0	58.55		ug/L		117	64 - 147	3	19
Chlorobenzene	50.0	46.94		ug/L		94	80 - 120	1	14
Chlorodibromomethane	50.0	54.58		ug/L		109	69 - 133	0	15
Chloroethane	50.0	40.80		ug/L		82	72 - 120	4	20
Chloroform	50.0	49.41		ug/L		99	73 - 129	2	18
Chloromethane	50.0	33.30		ug/L		67	12 - 150	3	31
cis-1,2-Dichloroethene	50.0	45.20		ug/L		90	76 - 125	2	17
cis-1,3-Dichloropropene	50.0	45.32		ug/L		91	74 - 140	3	15
Cyclohexane	50.0	44.62		ug/L		89	73 - 122	2	16
1,2-Dibromo-3-Chloropropane	50.0	54.66		ug/L		109	54 - 125	1	24
1,2-Dibromoethane (EDB)	50.0	55.58		ug/L		111	80 - 129	1	15
1,2-Dichlorobenzene	50.0	51.04		ug/L		102	80 - 121	2	15
1,3-Dichlorobenzene	50.0	49.28		ug/L		99	80 - 122	2	15
1,4-Dichlorobenzene	50.0	46.68		ug/L		93	80 - 120	1	15
Dichlorodifluoromethane	50.0	51.20		ug/L		102	37 - 127	1	18
1,1-Dichloroethane	50.0	43.99		ug/L		88	78 - 125	4	17
1,2-Dichloroethane	50.0	48.76		ug/L		98	77 - 121	4	17
1,1-Dichloroethene	50.0	52.73		ug/L		105	79 - 124	3	17
1,2-Dichloropropane	50.0	41.65		ug/L		83	75 - 120	2	17
Ethylbenzene	50.0	51.26		ug/L		103	80 - 130	1	15
2-Hexanone	250	232.8		ug/L		93	60 - 142	3	15
Isopropylbenzene	50.0	49.73		ug/L		99	80 - 141	1	16
Methyl acetate	250	203.0		ug/L		81	64 - 150	4	31
Methylcyclohexane	50.0	50.71		ug/L		101	71 - 129	3	19
Methylene Chloride	50.0	46.03		ug/L		92	79 - 123	2	17
4-Methyl-2-pentanone (MIBK)	250	229.9		ug/L		92	60 - 137	3	17
Methyl tert-butyl ether	50.0	51.81		ug/L		104	72 - 133	4	16
Styrene	50.0	49.88		ug/L		100	80 - 127	2	24
1,1,1,2-Tetrachloroethane	50.0	46.09		ug/L		92	69 - 131	5	20
Tetrachloroethene	50.0	54.37		ug/L		109	80 - 126	2	16
Toluene	50.0	45.39		ug/L		91	80 - 126	2	15
trans-1,2-Dichloroethene	50.0	42.51		ug/L		85	79 - 126	4	16

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 490-210169/4**

**Matrix: Water**

**Analysis Batch: 210169**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	50.0	49.79		ug/L		100	63 - 134	1	14
1,2,3-Trichlorobenzene	50.0	54.19		ug/L		108	62 - 133	2	25
1,2,4-Trichlorobenzene	50.0	57.79	E	ug/L		116	63 - 133	2	19
1,1,1-Trichloroethane	50.0	53.46		ug/L		107	78 - 135	1	17
1,1,2-Trichloroethane	50.0	47.37		ug/L		95	80 - 124	2	15
Trichloroethene	50.0	54.24		ug/L		108	80 - 123	1	17
Trichlorofluoromethane	50.0	57.47		ug/L		115	65 - 124	5	18
1,1,2-Trichloro-1,2,2-trichloroethane	50.0	55.79		ug/L		112	77 - 129	0	18
Vinyl chloride	50.0	40.12		ug/L		80	68 - 120	2	17
Xylenes, Total	100	105.9		ug/L		106	80 - 132	1	15

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
Toluene-d8 (Surr)	94		70 - 130

**Lab Sample ID: 490-66816-B-1 MS**

**Matrix: Water**

**Analysis Batch: 210169**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<2.66		250	202.4		ug/L		81	45 - 141
Benzene	<0.200		50.0	48.37		ug/L		97	75 - 133
Bromochloromethane	<0.150		50.0	54.56		ug/L		109	67 - 139
Bromodichloromethane	<0.170		50.0	49.68		ug/L		99	70 - 140
Bromoform	<0.290		50.0	58.58		ug/L		117	42 - 147
Bromomethane	<0.350		50.0	46.90		ug/L		94	16 - 163
2-Butanone (MEK)	<2.64		250	254.6		ug/L		102	50 - 138
Carbon disulfide	<0.220		50.0	51.78		ug/L		104	48 - 152
Carbon tetrachloride	<0.180		50.0	63.07		ug/L		126	62 - 164
Chlorobenzene	<0.180		50.0	48.04		ug/L		96	80 - 129
Chlorodibromomethane	<0.250		50.0	52.68		ug/L		105	66 - 140
Chloroethane	<0.360		50.0	44.22		ug/L		88	58 - 137
Chloroform	<0.230		50.0	51.56		ug/L		103	66 - 138
Chloromethane	<0.360		50.0	38.17		ug/L		76	10 - 169
cis-1,2-Dichloroethene	<0.210		50.0	46.72		ug/L		93	68 - 138
cis-1,3-Dichloropropene	<0.170		50.0	46.78		ug/L		94	71 - 141
Cyclohexane	41.4		50.0	89.50		ug/L		96	58 - 144
1,2-Dibromo-3-Chloropropane	<0.940		50.0	51.97		ug/L		104	52 - 126
1,2-Dibromoethane (EDB)	<0.210		50.0	53.88		ug/L		108	75 - 137
1,2-Dichlorobenzene	<0.190		50.0	49.97		ug/L		100	79 - 128
1,3-Dichlorobenzene	<0.180		50.0	49.19		ug/L		98	77 - 131
1,4-Dichlorobenzene	<0.170		50.0	45.53		ug/L		91	78 - 126
Dichlorodifluoromethane	<0.170		50.0	57.54		ug/L		115	40 - 127
1,1-Dichloroethane	<0.240		50.0	46.15		ug/L		92	71 - 139
1,2-Dichloroethane	<0.200		50.0	49.21		ug/L		98	64 - 136

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-66816-B-1 MS**

**Matrix: Water**

**Analysis Batch: 210169**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,1-Dichloroethene	<0.250		50.0	54.29		ug/L		109	70 - 142
1,2-Dichloropropane	<0.250		50.0	43.37		ug/L		87	67 - 131
Ethylbenzene	41.7		50.0	92.35		ug/L		101	79 - 139
2-Hexanone	<1.28		250	235.8		ug/L		94	50 - 150
Isopropylbenzene	33.5		50.0	83.38		ug/L		100	80 - 153
Methyl acetate	<0.720		250	276.5		ug/L		111	30 - 165
Methylcyclohexane	46.7		50.0	100.7		ug/L		108	59 - 151
Methylene Chloride	<0.220		50.0	47.35		ug/L		95	64 - 139
4-Methyl-2-pentanone (MIBK)	<0.810		250	228.5		ug/L		91	50 - 147
Methyl tert-butyl ether	<0.170		50.0	49.66		ug/L		99	66 - 141
Styrene	<0.280		50.0	52.48		ug/L		105	61 - 148
1,1,2,2-Tetrachloroethane	<0.190		50.0	44.78		ug/L		90	56 - 143
Tetrachloroethene	0.347	J	50.0	55.75		ug/L		111	72 - 145
Toluene	<0.170		50.0	48.82		ug/L		98	75 - 136
trans-1,2-Dichloroethene	<0.230		50.0	45.29		ug/L		91	66 - 143
trans-1,3-Dichloropropene	<0.170		50.0	51.05		ug/L		102	59 - 135
1,2,3-Trichlorobenzene	<0.230		50.0	51.29		ug/L		103	55 - 138
1,2,4-Trichlorobenzene	<0.200		50.0	58.04	E	ug/L		116	60 - 136
1,1,1-Trichloroethane	<0.190		50.0	57.70		ug/L		115	76 - 149
1,1,2-Trichloroethane	<0.190		50.0	46.99		ug/L		94	74 - 134
Trichloroethene	<0.200		50.0	54.65		ug/L		109	73 - 144
Trichlorofluoromethane	<0.210		50.0	61.82		ug/L		124	58 - 139
1,1,2-Trichloro-1,2,2-trichloroethane	<0.330		50.0	60.25		ug/L		120	72 - 148
Vinyl chloride	<0.180		50.0	44.60		ug/L		89	56 - 129
Xylenes, Total	30.7		100	142.2		ug/L		111	74 - 141

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Toluene-d8 (Surr)	96		70 - 130

**Lab Sample ID: 490-66816-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 210169**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	<2.66		250	183.4		ug/L		73	45 - 141	10		21
Benzene	<0.200		50.0	46.35		ug/L		93	75 - 133	4		17
Bromochloromethane	<0.150		50.0	57.14		ug/L		114	67 - 139	5		17
Bromodichloromethane	<0.170		50.0	48.48		ug/L		97	70 - 140	2		18
Bromoform	<0.290		50.0	56.98		ug/L		114	42 - 147	3		16
Bromomethane	<0.350		50.0	47.18		ug/L		94	16 - 163	1		50
2-Butanone (MEK)	<2.64		250	238.8		ug/L		96	50 - 138	6		19
Carbon disulfide	<0.220		50.0	48.31		ug/L		97	48 - 152	7		21
Carbon tetrachloride	<0.180		50.0	62.45		ug/L		125	62 - 164	1		19
Chlorobenzene	<0.180		50.0	47.21		ug/L		94	80 - 129	2		14

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-66816-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 210169**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chlorodibromomethane	<0.250		50.0	52.15		ug/L		104	66 - 140	1	15
Chloroethane	<0.360		50.0	42.27		ug/L		85	58 - 137	5	20
Chloroform	<0.230		50.0	49.54		ug/L		99	66 - 138	4	18
Chloromethane	<0.360		50.0	35.70		ug/L		71	10 - 169	7	31
cis-1,2-Dichloroethene	<0.210		50.0	45.60		ug/L		91	68 - 138	2	17
cis-1,3-Dichloropropene	<0.170		50.0	45.11		ug/L		90	71 - 141	4	15
Cyclohexane	41.4		50.0	86.43		ug/L		90	58 - 144	3	16
1,2-Dibromo-3-Chloropropane	<0.940		50.0	56.13		ug/L		112	52 - 126	8	24
1,2-Dibromoethane (EDB)	<0.210		50.0	53.69		ug/L		107	75 - 137	0	15
1,2-Dichlorobenzene	<0.190		50.0	50.80		ug/L		102	79 - 128	2	15
1,3-Dichlorobenzene	<0.180		50.0	49.40		ug/L		99	77 - 131	0	15
1,4-Dichlorobenzene	<0.170		50.0	45.68		ug/L		91	78 - 126	0	15
Dichlorodifluoromethane	<0.170		50.0	54.22		ug/L		108	40 - 127	6	18
1,1-Dichloroethane	<0.240		50.0	44.94		ug/L		90	71 - 139	3	17
1,2-Dichloroethane	<0.200		50.0	47.85		ug/L		96	64 - 136	3	17
1,1-Dichloroethene	<0.250		50.0	53.01		ug/L		106	70 - 142	2	17
1,2-Dichloropropane	<0.250		50.0	41.37		ug/L		83	67 - 131	5	17
Ethylbenzene	41.7		50.0	88.08		ug/L		93	79 - 139	5	15
2-Hexanone	<1.28		250	227.6		ug/L		91	50 - 150	4	15
Isopropylbenzene	33.5		50.0	80.23		ug/L		93	80 - 153	4	16
Methyl acetate	<0.720		250	266.1		ug/L		106	30 - 165	4	31
Methylcyclohexane	46.7		50.0	97.04		ug/L		101	59 - 151	4	19
Methylene Chloride	<0.220		50.0	46.40		ug/L		93	64 - 139	2	17
4-Methyl-2-pentanone (MIBK)	<0.810		250	223.0		ug/L		89	50 - 147	2	17
Methyl tert-butyl ether	<0.170		50.0	50.31		ug/L		101	66 - 141	1	16
Styrene	<0.280		50.0	50.47		ug/L		101	61 - 148	4	24
1,1,1,2-Tetrachloroethane	<0.190		50.0	45.90		ug/L		92	56 - 143	2	20
Tetrachloroethene	0.347	J	50.0	54.18		ug/L		108	72 - 145	3	16
Toluene	<0.170		50.0	46.53		ug/L		93	75 - 136	5	15
trans-1,2-Dichloroethene	<0.230		50.0	44.39		ug/L		89	66 - 143	2	16
trans-1,3-Dichloropropene	<0.170		50.0	49.31		ug/L		99	59 - 135	3	14
1,2,3-Trichlorobenzene	<0.230		50.0	55.17		ug/L		110	55 - 138	7	25
1,2,4-Trichlorobenzene	<0.200		50.0	60.55	E	ug/L		121	60 - 136	4	19
1,1,1-Trichloroethane	<0.190		50.0	55.55		ug/L		111	76 - 149	4	17
1,1,2-Trichloroethane	<0.190		50.0	45.16		ug/L		90	74 - 134	4	15
Trichloroethene	<0.200		50.0	54.72		ug/L		109	73 - 144	0	17
Trichlorofluoromethane	<0.210		50.0	61.16		ug/L		122	58 - 139	1	18
1,1,2-Trichloro-1,1,2,2-trichloroethane	<0.330		50.0	55.57		ug/L		111	72 - 148	8	18
Vinyl chloride	<0.180		50.0	42.84		ug/L		86	56 - 129	4	17
Xylenes, Total	30.7		100	134.4		ug/L		104	74 - 141	6	15

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
Toluene-d8 (Surr)	91		70 - 130

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 490-207941/1-A**

**Matrix: Water**

**Analysis Batch: 207993**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 207941**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.366		2.00	0.366	ug/L		11/21/14 07:08	11/21/14 22:45	1
Acenaphthylene	<0.330		2.00	0.330	ug/L		11/21/14 07:08	11/21/14 22:45	1
Acetophenone	<1.90		10.0	1.90	ug/L		11/21/14 07:08	11/21/14 22:45	1
Anthracene	<0.883		2.00	0.883	ug/L		11/21/14 07:08	11/21/14 22:45	1
Atrazine	<3.70		10.0	3.70	ug/L		11/21/14 07:08	11/21/14 22:45	1
Benzaldehyde	<2.15		10.0	2.15	ug/L		11/21/14 07:08	11/21/14 22:45	1
Benzo[a]anthracene	<0.324		2.00	0.324	ug/L		11/21/14 07:08	11/21/14 22:45	1
Benzo[a]pyrene	<0.330		2.00	0.330	ug/L		11/21/14 07:08	11/21/14 22:45	1
Benzo[b]fluoranthene	<0.422		2.00	0.422	ug/L		11/21/14 07:08	11/21/14 22:45	1
Benzo[g,h,i]perylene	<0.287		2.00	0.287	ug/L		11/21/14 07:08	11/21/14 22:45	1
Benzo[k]fluoranthene	<0.364		2.00	0.364	ug/L		11/21/14 07:08	11/21/14 22:45	1
Biphenyl	<3.33		10.0	3.33	ug/L		11/21/14 07:08	11/21/14 22:45	1
Bis(2-chloroethoxy)methane	<1.36		10.0	1.36	ug/L		11/21/14 07:08	11/21/14 22:45	1
Bis(2-chloroethyl)ether	<1.39		10.0	1.39	ug/L		11/21/14 07:08	11/21/14 22:45	1
bis(2-chloroisopropyl) ether	<1.96		10.0	1.96	ug/L		11/21/14 07:08	11/21/14 22:45	1
Bis(2-ethylhexyl) phthalate	<2.06		10.0	2.06	ug/L		11/21/14 07:08	11/21/14 22:45	1
4-Bromophenyl phenyl ether	<1.37		10.0	1.37	ug/L		11/21/14 07:08	11/21/14 22:45	1
Butyl benzyl phthalate	<1.74		10.0	1.74	ug/L		11/21/14 07:08	11/21/14 22:45	1
Caprolactam	<3.33		10.0	3.33	ug/L		11/21/14 07:08	11/21/14 22:45	1
Carbazole	<0.299		10.0	0.299	ug/L		11/21/14 07:08	11/21/14 22:45	1
4-Chloroaniline	<1.17		10.0	1.17	ug/L		11/21/14 07:08	11/21/14 22:45	1
4-Chloro-3-methylphenol	<3.33		10.0	3.33	ug/L		11/21/14 07:08	11/21/14 22:45	1
2-Chloronaphthalene	<1.64		10.0	1.64	ug/L		11/21/14 07:08	11/21/14 22:45	1
2-Chlorophenol	<1.59		10.0	1.59	ug/L		11/21/14 07:08	11/21/14 22:45	1
4-Chlorophenyl phenyl ether	<1.75		10.0	1.75	ug/L		11/21/14 07:08	11/21/14 22:45	1
Chrysene	<1.09		2.00	1.09	ug/L		11/21/14 07:08	11/21/14 22:45	1
Dibenz(a,h)anthracene	<0.644		2.00	0.644	ug/L		11/21/14 07:08	11/21/14 22:45	1
Dibenzofuran	<0.339		10.0	0.339	ug/L		11/21/14 07:08	11/21/14 22:45	1
3,3'-Dichlorobenzidine	<1.52		10.0	1.52	ug/L		11/21/14 07:08	11/21/14 22:45	1
2,4-Dichlorophenol	<1.02		10.0	1.02	ug/L		11/21/14 07:08	11/21/14 22:45	1
Diethyl phthalate	<1.62		10.0	1.62	ug/L		11/21/14 07:08	11/21/14 22:45	1
2,4-Dimethylphenol	<0.996		10.0	0.996	ug/L		11/21/14 07:08	11/21/14 22:45	1
Dimethyl phthalate	<1.81		10.0	1.81	ug/L		11/21/14 07:08	11/21/14 22:45	1
Di-n-butyl phthalate	<1.50		10.0	1.50	ug/L		11/21/14 07:08	11/21/14 22:45	1
4,6-Dinitro-2-methylphenol	<2.07		25.0	2.07	ug/L		11/21/14 07:08	11/21/14 22:45	1
2,4-Dinitrophenol	<2.46		25.0	2.46	ug/L		11/21/14 07:08	11/21/14 22:45	1
2,4-Dinitrotoluene	<3.33		10.0	3.33	ug/L		11/21/14 07:08	11/21/14 22:45	1
2,6-Dinitrotoluene	<1.94		10.0	1.94	ug/L		11/21/14 07:08	11/21/14 22:45	1
Di-n-octyl phthalate	<2.31		10.0	2.31	ug/L		11/21/14 07:08	11/21/14 22:45	1
Fluoranthene	<0.347		2.00	0.347	ug/L		11/21/14 07:08	11/21/14 22:45	1
Fluorene	<0.316		2.00	0.316	ug/L		11/21/14 07:08	11/21/14 22:45	1
Hexachlorobenzene	<1.69		10.0	1.69	ug/L		11/21/14 07:08	11/21/14 22:45	1
Hexachlorobutadiene	<3.33		10.0	3.33	ug/L		11/21/14 07:08	11/21/14 22:45	1
Hexachlorocyclopentadiene	<3.33		10.0	3.33	ug/L		11/21/14 07:08	11/21/14 22:45	1
Hexachloroethane	<3.33		10.0	3.33	ug/L		11/21/14 07:08	11/21/14 22:45	1
Indeno[1,2,3-cd]pyrene	<0.381		2.00	0.381	ug/L		11/21/14 07:08	11/21/14 22:45	1
Isophorone	<1.24		10.0	1.24	ug/L		11/21/14 07:08	11/21/14 22:45	1
2-Methylnaphthalene	<0.311		2.00	0.311	ug/L		11/21/14 07:08	11/21/14 22:45	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-207941/1-A**

**Matrix: Water**

**Analysis Batch: 207993**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 207941**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Methylphenol	<3.33		10.0	3.33	ug/L		11/21/14 07:08	11/21/14 22:45	1
3 & 4 Methylphenol	<3.33		10.0	3.33	ug/L		11/21/14 07:08	11/21/14 22:45	1
Naphthalene	<0.398		2.00	0.398	ug/L		11/21/14 07:08	11/21/14 22:45	1
2-Nitroaniline	<1.04		25.0	1.04	ug/L		11/21/14 07:08	11/21/14 22:45	1
3-Nitroaniline	<1.85		25.0	1.85	ug/L		11/21/14 07:08	11/21/14 22:45	1
4-Nitroaniline	<2.39		25.0	2.39	ug/L		11/21/14 07:08	11/21/14 22:45	1
Nitrobenzene	<1.24		10.0	1.24	ug/L		11/21/14 07:08	11/21/14 22:45	1
2-Nitrophenol	<1.57		10.0	1.57	ug/L		11/21/14 07:08	11/21/14 22:45	1
4-Nitrophenol	<3.33		25.0	3.33	ug/L		11/21/14 07:08	11/21/14 22:45	1
N-Nitrosodi-n-propylamine	<1.42		10.0	1.42	ug/L		11/21/14 07:08	11/21/14 22:45	1
n-Nitrosodiphenylamine(as diphenylamine)	<1.44		10.0	1.44	ug/L		11/21/14 07:08	11/21/14 22:45	1
Pentachlorophenol	<1.65		25.0	1.65	ug/L		11/21/14 07:08	11/21/14 22:45	1
Phenanthrene	<0.343		2.00	0.343	ug/L		11/21/14 07:08	11/21/14 22:45	1
Phenol	<3.45		10.0	3.45	ug/L		11/21/14 07:08	11/21/14 22:45	1
Pyrene	<0.331		2.00	0.331	ug/L		11/21/14 07:08	11/21/14 22:45	1
1,2,4,5-Tetrachlorobenzene	<4.04		10.0	4.04	ug/L		11/21/14 07:08	11/21/14 22:45	1
2,3,4,6-Tetrachlorophenol	<3.63		10.0	3.63	ug/L		11/21/14 07:08	11/21/14 22:45	1
2,4,5-Trichlorophenol	<2.03		25.0	2.03	ug/L		11/21/14 07:08	11/21/14 22:45	1
2,4,6-Trichlorophenol	<1.76		10.0	1.76	ug/L		11/21/14 07:08	11/21/14 22:45	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	89		29 - 120	11/21/14 07:08	11/21/14 22:45	1
2-Fluorophenol (Surr)	58		10 - 120	11/21/14 07:08	11/21/14 22:45	1
Nitrobenzene-d5 (Surr)	99		27 - 120	11/21/14 07:08	11/21/14 22:45	1
Phenol-d5 (Surr)	34		10 - 120	11/21/14 07:08	11/21/14 22:45	1
Terphenyl-d14 (Surr)	93		13 - 120	11/21/14 07:08	11/21/14 22:45	1
2,4,6-Tribromophenol (Surr)	92		10 - 120	11/21/14 07:08	11/21/14 22:45	1

**Lab Sample ID: LCS 490-207941/2-A**

**Matrix: Water**

**Analysis Batch: 207993**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 207941**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Acenaphthene	50.0	50.91		ug/L		102	46 - 120
Acenaphthylene	50.0	52.50		ug/L		105	48 - 120
Acetophenone	50.0	54.58		ug/L		109	52 - 133
Anthracene	50.0	54.14		ug/L		108	58 - 130
Atrazine	50.0	91.95	*	ug/L		184	24 - 133
Benzaldehyde	50.0	86.04	*	ug/L		172	34 - 120
Benzo[a]anthracene	50.0	54.97		ug/L		110	57 - 120
Benzo[a]pyrene	50.0	53.82		ug/L		108	57 - 124
Benzo[b]fluoranthene	50.0	53.39		ug/L		107	51 - 125
Benzo[g,h,i]perylene	50.0	52.16		ug/L		104	51 - 123
Benzo[k]fluoranthene	50.0	53.12		ug/L		106	51 - 120
Biphenyl	50.0	51.16		ug/L		102	10 - 146
Bis(2-chloroethoxy)methane	50.0	52.55		ug/L		105	44 - 120
Bis(2-chloroethyl)ether	50.0	51.67		ug/L		103	47 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-207941/2-A**

**Matrix: Water**

**Analysis Batch: 207993**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 207941**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
bis (2-chloroisopropyl) ether	50.0	44.06		ug/L		88	44 - 120
Bis(2-ethylhexyl) phthalate	50.0	60.61		ug/L		121	47 - 138
4-Bromophenyl phenyl ether	50.0	49.82		ug/L		100	47 - 127
Butyl benzyl phthalate	50.0	60.95		ug/L		122	51 - 146
Caprolactam	50.0	12.77		ug/L		26	10 - 120
Carbazole	50.0	55.00		ug/L		110	54 - 123
4-Chloroaniline	50.0	54.04		ug/L		108	44 - 120
4-Chloro-3-methylphenol	50.0	57.16		ug/L		114	44 - 120
2-Chloronaphthalene	50.0	50.81		ug/L		102	39 - 120
2-Chlorophenol	50.0	50.71		ug/L		101	40 - 120
4-Chlorophenyl phenyl ether	50.0	50.87		ug/L		102	50 - 120
Chrysene	50.0	50.26		ug/L		101	55 - 120
Dibenz(a,h)anthracene	50.0	53.72		ug/L		107	50 - 125
Dibenzofuran	50.0	51.77		ug/L		104	50 - 120
3,3'-Dichlorobenzidine	50.0	58.98		ug/L		118	46 - 129
2,4-Dichlorophenol	50.0	53.50		ug/L		107	38 - 120
Diethyl phthalate	50.0	54.33		ug/L		109	54 - 128
2,4-Dimethylphenol	50.0	58.54		ug/L		117	21 - 126
Dimethyl phthalate	50.0	51.39		ug/L		103	53 - 127
Di-n-butyl phthalate	50.0	58.69		ug/L		117	54 - 140
4,6-Dinitro-2-methylphenol	100	90.14		ug/L		90	19 - 150
2,4-Dinitrophenol	100	81.59		ug/L		82	20 - 150
2,4-Dinitrotoluene	50.0	53.93		ug/L		108	46 - 132
2,6-Dinitrotoluene	50.0	51.87		ug/L		104	54 - 128
Di-n-octyl phthalate	50.0	67.55		ug/L		135	50 - 142
Fluoranthene	50.0	54.54		ug/L		109	56 - 120
Fluorene	50.0	54.32		ug/L		109	52 - 120
Hexachlorobenzene	50.0	46.27		ug/L		93	48 - 131
Hexachlorobutadiene	50.0	52.14		ug/L		104	28 - 120
Hexachlorocyclopentadiene	50.0	42.61		ug/L		85	17 - 120
Hexachloroethane	50.0	57.36		ug/L		115	30 - 120
Indeno[1,2,3-cd]pyrene	50.0	52.81		ug/L		106	54 - 125
Isophorone	50.0	55.87		ug/L		112	47 - 120
2-Methylnaphthalene	50.0	49.79		ug/L		100	31 - 120
2-Methylphenol	50.0	50.35		ug/L		101	38 - 120
3 & 4 Methylphenol	50.0	43.18		ug/L		86	33 - 120
Naphthalene	50.0	51.42		ug/L		103	37 - 120
2-Nitroaniline	50.0	64.15		ug/L		128	46 - 131
3-Nitroaniline	50.0	54.83		ug/L		110	54 - 121
4-Nitroaniline	50.0	55.77		ug/L		112	55 - 123
Nitrobenzene	50.0	58.62		ug/L		117	36 - 120
2-Nitrophenol	50.0	51.42		ug/L		103	32 - 120
4-Nitrophenol	100	61.69		ug/L		62	10 - 120
N-Nitrosodi-n-propylamine	50.0	55.80		ug/L		112	51 - 120
n-Nitrosodiphenylamine(as diphenylamine)	42.8	51.43		ug/L		120	58 - 149
Pentachlorophenol	100	112.7		ug/L		113	21 - 150
Phenanthrene	50.0	52.19		ug/L		104	56 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-207941/2-A**

**Matrix: Water**

**Analysis Batch: 207993**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 207941**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	50.0	20.80		ug/L		42	14 - 120
Pyrene	50.0	49.52		ug/L		99	53 - 129
1,2,4,5-Tetrachlorobenzene	50.0	49.46		ug/L		99	25 - 120
2,3,4,6-Tetrachlorophenol	50.0	57.14		ug/L		114	31 - 148
2,4,5-Trichlorophenol	50.0	54.61		ug/L		109	40 - 129
2,4,6-Trichlorophenol	50.0	55.94		ug/L		112	39 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	89		29 - 120
2-Fluorophenol (Surr)	60		10 - 120
Nitrobenzene-d5 (Surr)	106		27 - 120
Phenol-d5 (Surr)	37		10 - 120
Terphenyl-d14 (Surr)	89		13 - 120
2,4,6-Tribromophenol (Surr)	90		10 - 120

**Lab Sample ID: MB 490-209735/1-A**

**Matrix: Solid**

**Analysis Batch: 210194**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 209735**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0100		0.0670	0.0100	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Acenaphthylene	<0.00900		0.0670	0.00900	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Acetophenone	<0.0700		0.333	0.0700	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Anthracene	<0.00900		0.0670	0.00900	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Atrazine	<0.167		0.333	0.167	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Benzaldehyde	<0.286		1.67	0.286	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Benzo[a]anthracene	<0.0150		0.0670	0.0150	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Benzo[a]pyrene	<0.0120		0.0670	0.0120	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Benzo[b]fluoranthene	<0.0120		0.0670	0.0120	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Benzo[g,h,i]perylene	<0.00900		0.0670	0.00900	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Benzo[k]fluoranthene	<0.0140		0.0670	0.0140	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Biphenyl	<0.104		0.333	0.104	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Bis(2-chloroethoxy)methane	<0.0120		0.333	0.0120	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Bis(2-chloroethyl)ether	<0.0200		0.333	0.0200	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
bis(2-chloroisopropyl) ether	<0.134		0.333	0.134	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Bis(2-ethylhexyl) phthalate	<0.0130		0.333	0.0130	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
4-Bromophenyl phenyl ether	<0.0170		0.333	0.0170	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Butyl benzyl phthalate	<0.0160		0.333	0.0160	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Caprolactam	<0.108		0.333	0.108	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Carbazole	<0.00700		0.333	0.00700	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
4-Chloroaniline	<0.166		0.333	0.166	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
4-Chloro-3-methylphenol	<0.0160		0.333	0.0160	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2-Chloronaphthalene	<0.0170		0.333	0.0170	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2-Chlorophenol	<0.0150		0.333	0.0150	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
4-Chlorophenyl phenyl ether	<0.0240		0.333	0.0240	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Chrysene	<0.00900		0.0670	0.00900	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Dibenz(a,h)anthracene	<0.00700		0.0670	0.00700	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Dibenzofuran	<0.0130		0.333	0.0130	mg/Kg		11/28/14 10:57	11/30/14 17:35	1

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 490-209735/1-A**  
**Matrix: Solid**  
**Analysis Batch: 210194**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 209735**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	<0.133		0.667	0.133	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2,4-Dichlorophenol	<0.0170		0.333	0.0170	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Diethyl phthalate	<0.0140		0.333	0.0140	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2,4-Dimethylphenol	<0.192		0.333	0.192	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Dimethyl phthalate	<0.00800		1.67	0.00800	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Di-n-butyl phthalate	<0.0130		0.333	0.0130	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
4,6-Dinitro-2-methylphenol	<0.103		0.333	0.103	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2,4-Dinitrophenol	<0.110		0.333	0.110	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2,4-Dinitrotoluene	<0.00900		0.333	0.00900	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2,6-Dinitrotoluene	<0.0310		0.333	0.0310	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Di-n-octyl phthalate	<0.0130		0.333	0.0130	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Fluoranthene	<0.00900		0.0670	0.00900	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Fluorene	<0.0120		0.0670	0.0120	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Hexachlorobenzene	<0.0290		0.333	0.0290	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Hexachlorobutadiene	<0.0700		0.333	0.0700	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Hexachlorocyclopentadiene	<0.0160		0.333	0.0160	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Hexachloroethane	<0.0200		0.333	0.0200	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Indeno[1,2,3-cd]pyrene	<0.0100		0.0670	0.0100	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Isophorone	<0.0590		0.333	0.0590	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2-Methylnaphthalene	<0.0160		0.0670	0.0160	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2-Methylphenol	<0.0930		0.333	0.0930	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
3 & 4 Methylphenol	<0.0200		0.333	0.0200	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Naphthalene	<0.00900		0.0670	0.00900	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2-Nitroaniline	<0.0180		0.833	0.0180	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
3-Nitroaniline	<0.148		0.833	0.148	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
4-Nitroaniline	<0.0300		0.833	0.0300	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Nitrobenzene	<0.0170		0.333	0.0170	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2-Nitrophenol	<0.0130		0.333	0.0130	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
4-Nitrophenol	<0.0150		0.333	0.0150	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
N-Nitrosodi-n-propylamine	<0.0210		0.333	0.0210	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
n-Nitrosodiphenylamine(as diphenylamine)	<0.0160		0.333	0.0160	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Pentachlorophenol	<0.125		0.833	0.125	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Phenanthrene	<0.00900		0.0670	0.00900	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Phenol	<0.0140		0.333	0.0140	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
Pyrene	<0.0120		0.0670	0.0120	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
1,2,4,5-Tetrachlorobenzene	<0.258		1.67	0.258	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2,3,4,6-Tetrachlorophenol	<0.169		0.333	0.169	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2,4,5-Trichlorophenol	<0.0170		0.833	0.0170	mg/Kg		11/28/14 10:57	11/30/14 17:35	1
2,4,6-Trichlorophenol	<0.0250		0.333	0.0250	mg/Kg		11/28/14 10:57	11/30/14 17:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	65		29 - 120	11/28/14 10:57	11/30/14 17:35	1
2-Fluorophenol (Surr)	62		10 - 120	11/28/14 10:57	11/30/14 17:35	1
Nitrobenzene-d5 (Surr)	65		27 - 120	11/28/14 10:57	11/30/14 17:35	1
Phenol-d5 (Surr)	63		10 - 120	11/28/14 10:57	11/30/14 17:35	1
Terphenyl-d14 (Surr)	72		13 - 120	11/28/14 10:57	11/30/14 17:35	1
2,4,6-Tribromophenol (Surr)	61		10 - 120	11/28/14 10:57	11/30/14 17:35	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-209735/2-A**

**Matrix: Solid**

**Analysis Batch: 210194**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 209735**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.556		mg/Kg		93	36 - 120
Acenaphthylene	1.67	1.560		mg/Kg		94	38 - 120
Acetophenone	1.67	1.523		mg/Kg		91	30 - 120
Anthracene	1.67	1.521		mg/Kg		91	46 - 124
Atrazine	1.67	1.683		mg/Kg		101	41 - 120
Benzaldehyde	1.67	<0.286 *		mg/Kg		8	10 - 150
Benzo[a]anthracene	1.67	1.549		mg/Kg		93	45 - 120
Benzo[a]pyrene	1.67	1.514		mg/Kg		91	45 - 120
Benzo[b]fluoranthene	1.67	1.561		mg/Kg		94	42 - 120
Benzo[g,h,i]perylene	1.67	1.626		mg/Kg		98	38 - 120
Benzo[k]fluoranthene	1.67	1.491		mg/Kg		89	42 - 120
Biphenyl	1.67	1.502		mg/Kg		90	15 - 120
Bis(2-chloroethoxy)methane	1.67	1.593		mg/Kg		96	32 - 120
Bis(2-chloroethyl)ether	1.67	1.554		mg/Kg		93	31 - 120
bis (2-chloroisopropyl) ether	1.67	1.419		mg/Kg		85	32 - 120
Bis(2-ethylhexyl) phthalate	1.67	1.709		mg/Kg		103	43 - 120
4-Bromophenyl phenyl ether	1.67	1.632		mg/Kg		98	40 - 120
Butyl benzyl phthalate	1.67	1.626		mg/Kg		98	43 - 133
Caprolactam	1.67	1.584		mg/Kg		95	18 - 138
Carbazole	1.67	1.544		mg/Kg		93	44 - 120
4-Chloroaniline	1.67	1.616		mg/Kg		97	35 - 120
4-Chloro-3-methylphenol	1.67	1.708		mg/Kg		102	38 - 120
2-Chloronaphthalene	1.67	1.513		mg/Kg		91	34 - 120
2-Chlorophenol	1.67	1.553		mg/Kg		93	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.625		mg/Kg		98	42 - 120
Chrysene	1.67	1.500		mg/Kg		90	43 - 120
Dibenz(a,h)anthracene	1.67	1.661		mg/Kg		100	32 - 128
Dibenzofuran	1.67	1.505		mg/Kg		90	41 - 120
3,3'-Dichlorobenzidine	1.67	1.420		mg/Kg		85	39 - 120
2,4-Dichlorophenol	1.67	1.570		mg/Kg		94	32 - 120
Diethyl phthalate	1.67	1.622		mg/Kg		97	41 - 122
2,4-Dimethylphenol	1.67	1.548		mg/Kg		93	32 - 120
Dimethyl phthalate	1.67	1.589 J		mg/Kg		95	55 - 120
Di-n-butyl phthalate	1.67	1.637		mg/Kg		98	46 - 127
4,6-Dinitro-2-methylphenol	3.33	3.145		mg/Kg		94	27 - 134
2,4-Dinitrophenol	3.33	2.948		mg/Kg		88	10 - 142
2,4-Dinitrotoluene	1.67	1.663		mg/Kg		100	43 - 120
2,6-Dinitrotoluene	1.67	1.678		mg/Kg		101	43 - 120
Di-n-octyl phthalate	1.67	1.649		mg/Kg		99	40 - 130
Fluoranthene	1.67	1.570		mg/Kg		94	46 - 120
Fluorene	1.67	1.649		mg/Kg		99	42 - 120
Hexachlorobenzene	1.67	1.611		mg/Kg		97	44 - 120
Hexachlorobutadiene	1.67	1.571		mg/Kg		94	31 - 120
Hexachlorocyclopentadiene	1.67	1.292		mg/Kg		78	24 - 120
Hexachloroethane	1.67	1.500		mg/Kg		90	33 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.597		mg/Kg		96	41 - 121
Isophorone	1.67	1.607		mg/Kg		96	33 - 120
2-Methylnaphthalene	1.67	1.519		mg/Kg		91	28 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 490-209735/2-A**

**Matrix: Solid**

**Analysis Batch: 210194**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 209735**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	1.67	1.631		mg/Kg		98	36 - 120
3 & 4 Methylphenol	1.67	1.631		mg/Kg		98	37 - 120
Naphthalene	1.67	1.451		mg/Kg		87	32 - 120
2-Nitroaniline	1.67	1.712		mg/Kg		103	40 - 120
3-Nitroaniline	1.67	1.630		mg/Kg		98	42 - 120
4-Nitroaniline	1.67	1.454		mg/Kg		87	43 - 120
Nitrobenzene	1.67	1.627		mg/Kg		98	26 - 120
2-Nitrophenol	1.67	1.636		mg/Kg		98	29 - 120
4-Nitrophenol	3.33	3.390		mg/Kg		102	32 - 136
N-Nitrosodi-n-propylamine	1.67	1.646		mg/Kg		99	35 - 120
n-Nitrosodiphenylamine(as diphenylamine)	1.43	1.534		mg/Kg		108	52 - 140
Pentachlorophenol	3.33	2.983		mg/Kg		89	44 - 134
Phenanthrene	1.67	1.486		mg/Kg		89	45 - 120
Phenol	1.67	1.603		mg/Kg		96	30 - 120
Pyrene	1.67	1.435		mg/Kg		86	43 - 120
1,2,4,5-Tetrachlorobenzene	1.67	1.551	J	mg/Kg		93	41 - 120
2,3,4,6-Tetrachlorophenol	1.67	1.643		mg/Kg		99	44 - 120
2,4,5-Trichlorophenol	1.67	1.611		mg/Kg		97	39 - 120
2,4,6-Trichlorophenol	1.67	1.689		mg/Kg		101	39 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	85		29 - 120
2-Fluorophenol (Surr)	93		10 - 120
Nitrobenzene-d5 (Surr)	89		27 - 120
Phenol-d5 (Surr)	90		10 - 120
Terphenyl-d14 (Surr)	88		13 - 120
2,4,6-Tribromophenol (Surr)	94		10 - 120

**Lab Sample ID: 490-67259-A-3-B MS**

**Matrix: Solid**

**Analysis Batch: 210194**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 209735**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	<0.0123		2.03	1.463		mg/Kg	☼	72	19 - 120
Acenaphthylene	<0.0111		2.03	1.473		mg/Kg	☼	72	25 - 120
Acetophenone	<0.0864		2.03	1.422		mg/Kg	☼	70	10 - 200
Anthracene	<0.0111		2.03	1.494		mg/Kg	☼	73	28 - 125
Atrazine	<0.206		2.03	1.454		mg/Kg	☼	71	10 - 200
Benzaldehyde	<0.353 *		2.03	0.3824	J	mg/Kg	☼	19	10 - 200
Benzo[a]anthracene	0.0730	J	2.03	1.533		mg/Kg	☼	72	23 - 120
Benzo[a]pyrene	0.0852		2.03	1.475		mg/Kg	☼	68	15 - 128
Benzo[b]fluoranthene	0.131		2.03	1.544		mg/Kg	☼	69	12 - 133
Benzo[g,h,i]perylene	0.0697	J	2.03	1.578		mg/Kg	☼	74	22 - 120
Benzo[k]fluoranthene	0.0577	J	2.03	1.434		mg/Kg	☼	68	28 - 120
Biphenyl	<0.128		2.03	1.424		mg/Kg	☼	70	10 - 200
Bis(2-chloroethoxy)methane	<0.0148		2.03	1.467		mg/Kg	☼	72	24 - 120
Bis(2-chloroethyl)ether	<0.0247		2.03	1.405		mg/Kg	☼	69	22 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-67259-A-3-B MS**

**Matrix: Solid**

**Analysis Batch: 210194**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 209735**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
bis (2-chloroisopropyl) ether	<0.165		2.03	1.284		mg/Kg	*	63	20 - 120
Bis(2-ethylhexyl) phthalate	0.0445	J	2.03	1.558		mg/Kg	*	74	26 - 120
4-Bromophenyl phenyl ether	<0.0210		2.03	1.519		mg/Kg	*	75	31 - 120
Butyl benzyl phthalate	<0.0197		2.03	1.484		mg/Kg	*	73	24 - 133
Caprolactam	<0.133		2.03	1.343		mg/Kg	*	66	10 - 199
Carbazole	<0.00864		2.03	1.466		mg/Kg	*	72	25 - 123
4-Chloroaniline	<0.205		2.03	1.502		mg/Kg	*	74	26 - 120
4-Chloro-3-methylphenol	<0.0197		2.03	1.535		mg/Kg	*	75	21 - 120
2-Chloronaphthalene	<0.0210		2.03	1.450		mg/Kg	*	71	24 - 120
2-Chlorophenol	<0.0185		2.03	1.436		mg/Kg	*	71	25 - 120
4-Chlorophenyl phenyl ether	<0.0296		2.03	1.480		mg/Kg	*	73	26 - 120
Chrysene	0.110		2.03	1.522		mg/Kg	*	69	20 - 120
Dibenz(a,h)anthracene	<0.00864		2.03	1.523		mg/Kg	*	75	12 - 128
Dibenzofuran	<0.0160		2.03	1.409		mg/Kg	*	69	21 - 120
3,3'-Dichlorobenzidine	<0.164		2.03	1.267		mg/Kg	*	62	10 - 120
2,4-Dichlorophenol	<0.0210		2.03	1.447		mg/Kg	*	71	17 - 120
Diethyl phthalate	<0.0173		2.03	1.466		mg/Kg	*	72	29 - 122
2,4-Dimethylphenol	<0.237		2.03	1.512		mg/Kg	*	74	17 - 120
Dimethyl phthalate	<0.00987		2.03	1.456	J	mg/Kg	*	72	30 - 120
Di-n-butyl phthalate	<0.0160		2.03	1.537		mg/Kg	*	76	29 - 126
4,6-Dinitro-2-methylphenol	<0.127		4.07	2.764		mg/Kg	*	68	10 - 134
2,4-Dinitrophenol	<0.136		4.07	1.876		mg/Kg	*	46	10 - 150
2,4-Dinitrotoluene	<0.0111		2.03	1.472		mg/Kg	*	72	24 - 121
2,6-Dinitrotoluene	<0.0383		2.03	1.491		mg/Kg	*	73	24 - 120
Di-n-octyl phthalate	<0.0160		2.03	1.473		mg/Kg	*	72	27 - 130
Fluoranthene	0.176		2.03	1.702		mg/Kg	*	75	10 - 143
Fluorene	<0.0148		2.03	1.526		mg/Kg	*	75	20 - 120
Hexachlorobenzene	<0.0358		2.03	1.502		mg/Kg	*	74	25 - 120
Hexachlorobutadiene	<0.0864		2.03	1.451		mg/Kg	*	71	10 - 120
Hexachlorocyclopentadiene	<0.0197		2.03	1.164		mg/Kg	*	57	10 - 120
Hexachloroethane	<0.0247		2.03	1.366		mg/Kg	*	67	10 - 120
Indeno[1,2,3-cd]pyrene	0.0556	J	2.03	1.545		mg/Kg	*	73	22 - 121
Isophorone	<0.0728		2.03	1.467		mg/Kg	*	72	24 - 120
2-Methylnaphthalene	<0.0197		2.03	1.449		mg/Kg	*	71	13 - 120
2-Methylphenol	<0.115		2.03	1.520		mg/Kg	*	75	23 - 120
3 & 4 Methylphenol	<0.0247		2.03	1.508		mg/Kg	*	74	19 - 120
Naphthalene	<0.0111		2.03	1.396		mg/Kg	*	69	10 - 120
2-Nitroaniline	<0.0222		2.03	1.577		mg/Kg	*	78	31 - 120
3-Nitroaniline	<0.183		2.03	1.436		mg/Kg	*	71	31 - 120
4-Nitroaniline	<0.0370		2.03	1.269		mg/Kg	*	62	28 - 120
Nitrobenzene	<0.0210		2.03	1.509		mg/Kg	*	74	19 - 120
2-Nitrophenol	<0.0160		2.03	1.494		mg/Kg	*	73	23 - 120
4-Nitrophenol	<0.0185		4.07	2.862		mg/Kg	*	70	16 - 139
N-Nitrosodi-n-propylamine	<0.0259		2.03	1.469		mg/Kg	*	72	24 - 120
n-Nitrosodiphenylamine(as diphenylamine)	<0.0197		1.74	1.442		mg/Kg	*	83	26 - 150
Pentachlorophenol	<0.154		4.07	2.673		mg/Kg	*	66	19 - 145
Phenanthrene	0.0609	J	2.03	1.473		mg/Kg	*	69	21 - 122

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-67259-A-3-B MS**

**Matrix: Solid**

**Analysis Batch: 210194**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 209735**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Phenol	<0.0173		2.03	1.501		mg/Kg	☼	74	15 - 120
Pyrene	0.136		2.03	1.489		mg/Kg	☼	66	20 - 123
1,2,4,5-Tetrachlorobenzene	<0.318		2.03	1.458	J	mg/Kg	☼	72	10 - 200
2,3,4,6-Tetrachlorophenol	<0.209		2.03	1.493		mg/Kg	☼	73	10 - 200
2,4,5-Trichlorophenol	<0.0210		2.03	1.461		mg/Kg	☼	72	27 - 120
2,4,6-Trichlorophenol	<0.0309		2.03	1.528		mg/Kg	☼	75	24 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	52		29 - 120
2-Fluorophenol (Surr)	61		10 - 120
Nitrobenzene-d5 (Surr)	63		27 - 120
Phenol-d5 (Surr)	62		10 - 120
Terphenyl-d14 (Surr)	53		13 - 120
2,4,6-Tribromophenol (Surr)	65		10 - 120

**Lab Sample ID: 490-67259-A-3-C MSD**

**Matrix: Solid**

**Analysis Batch: 210194**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 209735**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier					RPD	Limit
Acenaphthene	<0.0123		2.04	1.729		mg/Kg	☼	85	19 - 120	17	50
Acenaphthylene	<0.0111		2.04	1.752		mg/Kg	☼	86	25 - 120	17	50
Acetophenone	<0.0864		2.04	1.677		mg/Kg	☼	82	10 - 200	16	50
Anthracene	<0.0111		2.04	1.734		mg/Kg	☼	85	28 - 125	15	49
Atrazine	<0.206		2.04	1.793		mg/Kg	☼	88	10 - 200	21	50
Benzaldehyde	<0.353	*	2.04	0.3808	J	mg/Kg	☼	19	10 - 200	0	50
Benzo[a]anthracene	0.0730	J	2.04	1.811		mg/Kg	☼	85	23 - 120	17	50
Benzo[a]pyrene	0.0852		2.04	1.768		mg/Kg	☼	83	15 - 128	18	50
Benzo[b]fluoranthene	0.131		2.04	1.853		mg/Kg	☼	85	12 - 133	18	50
Benzo[g,h,i]perylene	0.0697	J	2.04	1.884		mg/Kg	☼	89	22 - 120	18	50
Benzo[k]fluoranthene	0.0577	J	2.04	1.649		mg/Kg	☼	78	28 - 120	14	45
Biphenyl	<0.128		2.04	1.700		mg/Kg	☼	83	10 - 200	18	50
Bis(2-chloroethoxy)methane	<0.0148		2.04	1.796		mg/Kg	☼	88	24 - 120	20	50
Bis(2-chloroethyl)ether	<0.0247		2.04	1.696		mg/Kg	☼	83	22 - 120	19	50
bis (2-chloroisopropyl) ether	<0.165		2.04	1.565		mg/Kg	☼	77	20 - 120	20	50
Bis(2-ethylhexyl) phthalate	0.0445	J	2.04	1.907		mg/Kg	☼	91	26 - 120	20	50
4-Bromophenyl phenyl ether	<0.0210		2.04	1.833		mg/Kg	☼	90	31 - 120	19	37
Butyl benzyl phthalate	<0.0197		2.04	1.836		mg/Kg	☼	90	24 - 133	21	50
Caprolactam	<0.133		2.04	1.649		mg/Kg	☼	81	10 - 199	20	50
Carbazole	<0.00864		2.04	1.731		mg/Kg	☼	85	25 - 123	17	46
4-Chloroaniline	<0.205		2.04	1.788		mg/Kg	☼	88	26 - 120	17	50
4-Chloro-3-methylphenol	<0.0197		2.04	1.889		mg/Kg	☼	93	21 - 120	21	49
2-Chloronaphthalene	<0.0210		2.04	1.735		mg/Kg	☼	85	24 - 120	18	50
2-Chlorophenol	<0.0185		2.04	1.727		mg/Kg	☼	85	25 - 120	18	50
4-Chlorophenyl phenyl ether	<0.0296		2.04	1.768		mg/Kg	☼	87	26 - 120	18	50
Chrysene	0.110		2.04	1.770		mg/Kg	☼	81	20 - 120	15	49
Dibenz(a,h)anthracene	<0.00864		2.04	1.880		mg/Kg	☼	92	12 - 128	21	50
Dibenzofuran	<0.0160		2.04	1.689		mg/Kg	☼	83	21 - 120	18	50

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 490-67259-A-3-C MSD**

**Matrix: Solid**

**Analysis Batch: 210194**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 209735**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
3,3'-Dichlorobenzidine	<0.164		2.04	1.542		mg/Kg	*	76	10 - 120	20	50	
2,4-Dichlorophenol	<0.0210		2.04	1.792		mg/Kg	*	88	17 - 120	21	50	
Diethyl phthalate	<0.0173		2.04	1.785		mg/Kg	*	88	29 - 122	20	45	
2,4-Dimethylphenol	<0.237		2.04	1.818		mg/Kg	*	89	17 - 120	18	50	
Dimethyl phthalate	<0.00987		2.04	1.743	J	mg/Kg	*	85	30 - 120	18	46	
Di-n-butyl phthalate	<0.0160		2.04	1.841		mg/Kg	*	90	29 - 126	18	49	
4,6-Dinitro-2-methylphenol	<0.127		4.08	3.288		mg/Kg	*	81	10 - 134	17	50	
2,4-Dinitrophenol	<0.136		4.08	2.486		mg/Kg	*	61	10 - 150	28	50	
2,4-Dinitrotoluene	<0.0111		2.04	1.807		mg/Kg	*	89	24 - 121	20	50	
2,6-Dinitrotoluene	<0.0383		2.04	1.813		mg/Kg	*	89	24 - 120	20	50	
Di-n-octyl phthalate	<0.0160		2.04	1.832		mg/Kg	*	90	27 - 130	22	50	
Fluoranthene	0.176		2.04	1.918		mg/Kg	*	85	10 - 143	12	50	
Fluorene	<0.0148		2.04	1.828		mg/Kg	*	90	20 - 120	18	50	
Hexachlorobenzene	<0.0358		2.04	1.803		mg/Kg	*	88	25 - 120	18	50	
Hexachlorobutadiene	<0.0864		2.04	1.783		mg/Kg	*	87	10 - 120	21	50	
Hexachlorocyclopentadiene	<0.0197		2.04	1.456		mg/Kg	*	71	10 - 120	22	50	
Hexachloroethane	<0.0247		2.04	1.695		mg/Kg	*	83	10 - 120	21	50	
Indeno[1,2,3-cd]pyrene	0.0556	J	2.04	1.864		mg/Kg	*	89	22 - 121	19	50	
Isophorone	<0.0728		2.04	1.790		mg/Kg	*	88	24 - 120	20	50	
2-Methylnaphthalene	<0.0197		2.04	1.730		mg/Kg	*	85	13 - 120	18	50	
2-Methylphenol	<0.115		2.04	1.805		mg/Kg	*	89	23 - 120	17	50	
3 & 4 Methylphenol	<0.0247		2.04	1.797		mg/Kg	*	88	19 - 120	18	50	
Naphthalene	<0.0111		2.04	1.659		mg/Kg	*	81	10 - 120	17	50	
2-Nitroaniline	<0.0222		2.04	1.902		mg/Kg	*	93	31 - 120	19	50	
3-Nitroaniline	<0.183		2.04	1.783		mg/Kg	*	87	31 - 120	22	49	
4-Nitroaniline	<0.0370		2.04	1.603		mg/Kg	*	79	28 - 120	23	49	
Nitrobenzene	<0.0210		2.04	1.844		mg/Kg	*	90	19 - 120	20	50	
2-Nitrophenol	<0.0160		2.04	1.806		mg/Kg	*	89	23 - 120	19	50	
4-Nitrophenol	<0.0185		4.08	3.612		mg/Kg	*	89	16 - 139	23	45	
N-Nitrosodi-n-propylamine	<0.0259		2.04	1.786		mg/Kg	*	88	24 - 120	19	50	
n-Nitrosodiphenylamine(as diphenylamine)	<0.0197		1.74	1.723		mg/Kg	*	99	26 - 150	18	50	
Pentachlorophenol	<0.154		4.08	3.356		mg/Kg	*	82	19 - 145	23	50	
Phenanthrene	0.0609	J	2.04	1.713		mg/Kg	*	81	21 - 122	15	50	
Phenol	<0.0173		2.04	1.780		mg/Kg	*	87	15 - 120	17	50	
Pyrene	0.136		2.04	1.713		mg/Kg	*	77	20 - 123	14	50	
1,2,4,5-Tetrachlorobenzene	<0.318		2.04	1.744	J	mg/Kg	*	86	10 - 200	18	50	
2,3,4,6-Tetrachlorophenol	<0.209		2.04	1.833		mg/Kg	*	90	10 - 200	20	50	
2,4,5-Trichlorophenol	<0.0210		2.04	1.803		mg/Kg	*	88	27 - 120	21	50	
2,4,6-Trichlorophenol	<0.0309		2.04	1.858		mg/Kg	*	91	24 - 122	20	50	

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	61		29 - 120
2-Fluorophenol (Surr)	74		10 - 120
Nitrobenzene-d5 (Surr)	74		27 - 120
Phenol-d5 (Surr)	73		10 - 120
Terphenyl-d14 (Surr)	64		13 - 120
2,4,6-Tribromophenol (Surr)	76		10 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC)

**Lab Sample ID: MB 490-207937/1-A**

**Matrix: Water**

**Analysis Batch: 212364**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 207937**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00590		0.0250	0.00590	ug/L		11/21/14 05:58	12/08/14 20:40	1
alpha-BHC	<0.0111		0.0250	0.0111	ug/L		11/21/14 05:58	12/08/14 20:40	1
beta-BHC	<0.00700		0.0250	0.00700	ug/L		11/21/14 05:58	12/08/14 20:40	1
delta-BHC	<0.00770		0.0250	0.00770	ug/L		11/21/14 05:58	12/08/14 20:40	1
gamma-BHC (Lindane)	<0.00570		0.0250	0.00570	ug/L		11/21/14 05:58	12/08/14 20:40	1
alpha-Chlordane	<0.00530		0.0250	0.00530	ug/L		11/21/14 05:58	12/08/14 20:40	1
gamma-Chlordane	<0.0180		0.0250	0.0180	ug/L		11/21/14 05:58	12/08/14 20:40	1
Chlordane (technical)	<0.183		2.00	0.183	ug/L		11/21/14 05:58	12/08/14 20:40	1
4,4'-DDD	<0.00770		0.0250	0.00770	ug/L		11/21/14 05:58	12/08/14 20:40	1
4,4'-DDE	<0.00990		0.0250	0.00990	ug/L		11/21/14 05:58	12/08/14 20:40	1
4,4'-DDT	<0.00890		0.0250	0.00890	ug/L		11/21/14 05:58	12/08/14 20:40	1
Dieldrin	<0.00570		0.0250	0.00570	ug/L		11/21/14 05:58	12/08/14 20:40	1
Endosulfan I	<0.00780		0.0250	0.00780	ug/L		11/21/14 05:58	12/08/14 20:40	1
Endosulfan II	<0.00540		0.0250	0.00540	ug/L		11/21/14 05:58	12/08/14 20:40	1
Endosulfan sulfate	<0.00650		0.0250	0.00650	ug/L		11/21/14 05:58	12/08/14 20:40	1
Endrin	<0.00660		0.0250	0.00660	ug/L		11/21/14 05:58	12/08/14 20:40	1
Endrin aldehyde	<0.00870		0.0250	0.00870	ug/L		11/21/14 05:58	12/08/14 20:40	1
Endrin ketone	<0.00650		0.0250	0.00650	ug/L		11/21/14 05:58	12/08/14 20:40	1
Heptachlor	<0.00570		0.0250	0.00570	ug/L		11/21/14 05:58	12/08/14 20:40	1
Heptachlor epoxide	<0.00700		0.0250	0.00700	ug/L		11/21/14 05:58	12/08/14 20:40	1
Methoxychlor	<0.00530		0.0250	0.00530	ug/L		11/21/14 05:58	12/08/14 20:40	1
Toxaphene	<0.0413		2.00	0.0413	ug/L		11/21/14 05:58	12/08/14 20:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	86		38 - 150	11/21/14 05:58	12/08/14 20:40	1
DCB Decachlorobiphenyl (Surr)	75		10 - 141	11/21/14 05:58	12/08/14 20:40	1

**Lab Sample ID: LCS 490-207937/3-A**

**Matrix: Water**

**Analysis Batch: 212364**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 207937**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.3758		ug/L		75	38 - 128
alpha-BHC	0.500	0.3693		ug/L		74	47 - 136
beta-BHC	0.500	0.3546		ug/L		71	50 - 140
delta-BHC	0.500	0.2524		ug/L		50	35 - 145
gamma-BHC (Lindane)	0.500	0.3733		ug/L		75	50 - 138
alpha-Chlordane	0.500	0.3741		ug/L		75	49 - 137
gamma-Chlordane	0.500	0.3914		ug/L		78	46 - 143
4,4'-DDD	0.500	0.3454		ug/L		69	51 - 150
4,4'-DDE	0.500	0.3872		ug/L		77	49 - 138
4,4'-DDT	0.500	0.3263		ug/L		65	33 - 150
Dieldrin	0.500	0.3817		ug/L		76	49 - 136
Endosulfan I	0.500	0.4006		ug/L		80	10 - 150
Endosulfan II	0.500	0.3757		ug/L		75	11 - 150
Endosulfan sulfate	0.500	0.3070		ug/L		61	43 - 150
Endrin	0.500	0.4382		ug/L		88	54 - 150
Endrin aldehyde	0.500	0.1019	*	ug/L		20	50 - 150

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 490-207937/3-A**

**Matrix: Water**

**Analysis Batch: 212364**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 207937**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin ketone	0.500	0.3568		ug/L		71	50 - 147
Heptachlor	0.500	0.3942		ug/L		79	43 - 146
Heptachlor epoxide	0.500	0.3900		ug/L		78	50 - 136
Methoxychlor	0.500	0.3676		ug/L		74	35 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	87		38 - 150
DCB Decachlorobiphenyl (Surr)	78		10 - 141

**Lab Sample ID: LCS 490-207937/4-A**

**Matrix: Water**

**Analysis Batch: 212364**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 207937**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlordane (technical)	5.00	5.118		ug/L		102	49 - 150
Toxaphene	10.0	9.472		ug/L		95	34 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	93		38 - 150
DCB Decachlorobiphenyl (Surr)	88		10 - 141

**Lab Sample ID: MB 490-208165/1-A**

**Matrix: Solid**

**Analysis Batch: 210987**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 208165**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.000310		0.00170	0.000310	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
alpha-BHC	<0.000200		0.00170	0.000200	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
beta-BHC	<0.000200		0.00170	0.000200	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
delta-BHC	<0.000380		0.00170	0.000380	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
gamma-BHC (Lindane)	<0.000390		0.00170	0.000390	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
alpha-Chlordane	<0.000430		0.00170	0.000430	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
gamma-Chlordane	<0.000790		0.00170	0.000790	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
Chlordane (technical)	<0.0363		0.0500	0.0363	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
4,4'-DDD	<0.000430		0.00170	0.000430	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
4,4'-DDE	<0.000500		0.00170	0.000500	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
4,4'-DDT	<0.000850		0.00170	0.000850	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
Dieldrin	<0.000400		0.00170	0.000400	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
Endosulfan I	<0.000470		0.00170	0.000470	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
Endosulfan II	<0.000550		0.00170	0.000550	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
Endosulfan sulfate	<0.000500		0.00170	0.000500	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
Endrin	<0.000430		0.00170	0.000430	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
Endrin aldehyde	<0.000510		0.00170	0.000510	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
Endrin ketone	<0.000590		0.00170	0.000590	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
Heptachlor	<0.000420		0.00170	0.000420	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
Heptachlor epoxide	<0.000650		0.00170	0.000650	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
Methoxychlor	<0.000490		0.00330	0.000490	mg/Kg		11/21/14 14:16	12/03/14 14:33	1
Toxaphene	<0.0422		0.0667	0.0422	mg/Kg		11/21/14 14:16	12/03/14 14:33	1

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: MB 490-208165/1-A**  
**Matrix: Solid**  
**Analysis Batch: 210987**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 208165**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	77		21 - 145	11/21/14 14:16	12/03/14 14:33	1
DCB Decachlorobiphenyl (Surr)	84		25 - 150	11/21/14 14:16	12/03/14 14:33	1

**Lab Sample ID: LCS 490-208165/2-A**  
**Matrix: Solid**  
**Analysis Batch: 210987**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 208165**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Aldrin	0.0167	0.01326		mg/Kg		80	47 - 132	
alpha-BHC	0.0167	0.01251		mg/Kg		75	45 - 128	
beta-BHC	0.0167	0.01219		mg/Kg		73	48 - 135	
delta-BHC	0.0167	0.009140		mg/Kg		55	10 - 149	
gamma-BHC (Lindane)	0.0167	0.01262		mg/Kg		76	48 - 131	
alpha-Chlordane	0.0167	0.01365		mg/Kg		82	47 - 134	
gamma-Chlordane	0.0167	0.01390		mg/Kg		83	48 - 145	
4,4'-DDD	0.0167	0.01447		mg/Kg		87	46 - 149	
4,4'-DDE	0.0167	0.01457		mg/Kg		87	48 - 139	
4,4'-DDT	0.0167	0.01098		mg/Kg		66	24 - 150	
Dieldrin	0.0167	0.01394		mg/Kg		84	42 - 137	
Endosulfan I	0.0167	0.01413		mg/Kg		85	10 - 150	
Endosulfan II	0.0167	0.01380		mg/Kg		83	12 - 150	
Endosulfan sulfate	0.0167	0.01231		mg/Kg		74	36 - 148	
Endrin	0.0167	0.01806		mg/Kg		108	46 - 145	
Endrin aldehyde	0.0167	0.01041		mg/Kg		62	48 - 150	
Endrin ketone	0.0167	0.01221		mg/Kg		73	43 - 150	
Heptachlor	0.0167	0.01383		mg/Kg		83	45 - 140	
Heptachlor epoxide	0.0167	0.01389		mg/Kg		83	47 - 133	
Methoxychlor	0.0167	0.01232		mg/Kg		74	23 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	87		21 - 145
DCB Decachlorobiphenyl (Surr)	93		25 - 150

**Lab Sample ID: LCS 490-208165/3-A**  
**Matrix: Solid**  
**Analysis Batch: 210987**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 208165**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Chlordane (technical)	0.167	0.09891	p	mg/Kg		59	50 - 150	
Toxaphene	0.333	0.2785		mg/Kg		84	10 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	90		21 - 145
DCB Decachlorobiphenyl (Surr)	90		25 - 150



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 490-66736-L-1-C MSD**

**Matrix: Solid**

**Analysis Batch: 210987**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 208165**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Heptachlor epoxide	<0.000691		0.0175	0.01364		mg/Kg	✱	78	15 - 139	20	50
Methoxychlor	<0.000521		0.0175	0.01303		mg/Kg	✱	74	10 - 175	15	50
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
Tetrachloro-m-xylene	74		21 - 145								
DCB Decachlorobiphenyl (Surr)	84		25 - 150								

**Lab Sample ID: MB 490-212724/1-A**

**Matrix: Water**

**Analysis Batch: 213072**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 212724**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	<0.00590		0.0250	0.00590	ug/L		12/10/14 07:22	12/11/14 15:50	1
alpha-BHC	<0.0111		0.0250	0.0111	ug/L		12/10/14 07:22	12/11/14 15:50	1
beta-BHC	<0.00700		0.0250	0.00700	ug/L		12/10/14 07:22	12/11/14 15:50	1
delta-BHC	<0.00770		0.0250	0.00770	ug/L		12/10/14 07:22	12/11/14 15:50	1
gamma-BHC (Lindane)	<0.00570		0.0250	0.00570	ug/L		12/10/14 07:22	12/11/14 15:50	1
alpha-Chlordane	<0.00530		0.0250	0.00530	ug/L		12/10/14 07:22	12/11/14 15:50	1
gamma-Chlordane	<0.0180		0.0250	0.0180	ug/L		12/10/14 07:22	12/11/14 15:50	1
Chlordane (technical)	<0.183		2.00	0.183	ug/L		12/10/14 07:22	12/11/14 15:50	1
4,4'-DDD	<0.00770		0.0250	0.00770	ug/L		12/10/14 07:22	12/11/14 15:50	1
4,4'-DDE	<0.00990		0.0250	0.00990	ug/L		12/10/14 07:22	12/11/14 15:50	1
4,4'-DDT	<0.00890		0.0250	0.00890	ug/L		12/10/14 07:22	12/11/14 15:50	1
Dieldrin	<0.00570		0.0250	0.00570	ug/L		12/10/14 07:22	12/11/14 15:50	1
Endosulfan I	<0.00780		0.0250	0.00780	ug/L		12/10/14 07:22	12/11/14 15:50	1
Endosulfan II	<0.00540		0.0250	0.00540	ug/L		12/10/14 07:22	12/11/14 15:50	1
Endosulfan sulfate	<0.00650		0.0250	0.00650	ug/L		12/10/14 07:22	12/11/14 15:50	1
Endrin	<0.00660		0.0250	0.00660	ug/L		12/10/14 07:22	12/11/14 15:50	1
Endrin aldehyde	<0.00870		0.0250	0.00870	ug/L		12/10/14 07:22	12/11/14 15:50	1
Endrin ketone	<0.00650		0.0250	0.00650	ug/L		12/10/14 07:22	12/11/14 15:50	1
Heptachlor	<0.00570		0.0250	0.00570	ug/L		12/10/14 07:22	12/11/14 15:50	1
Heptachlor epoxide	<0.00700		0.0250	0.00700	ug/L		12/10/14 07:22	12/11/14 15:50	1
Methoxychlor	<0.00530		0.0250	0.00530	ug/L		12/10/14 07:22	12/11/14 15:50	1
Toxaphene	<0.0413		2.00	0.0413	ug/L		12/10/14 07:22	12/11/14 15:50	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	83		38 - 150				12/10/14 07:22	12/11/14 15:50	1
DCB Decachlorobiphenyl (Surr)	82		10 - 141				12/10/14 07:22	12/11/14 15:50	1

**Lab Sample ID: LCS 490-212724/2-A**

**Matrix: Water**

**Analysis Batch: 213072**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 212724**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Aldrin	0.500	0.4869		ug/L		97	38 - 128
alpha-BHC	0.500	0.5154		ug/L		103	47 - 136
beta-BHC	0.500	0.4687		ug/L		94	50 - 140
delta-BHC	0.500	0.5625		ug/L		113	35 - 145

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID:** LCS 490-212724/2-A  
**Matrix:** Water  
**Analysis Batch:** 213072

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 212724

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
gamma-BHC (Lindane)	0.500	0.5007		ug/L		100	50 - 138	
alpha-Chlordane	0.500	0.5134		ug/L		103	49 - 137	
gamma-Chlordane	0.500	0.5224		ug/L		104	46 - 143	
4,4'-DDD	0.500	0.6011		ug/L		120	51 - 150	
4,4'-DDE	0.500	0.5024		ug/L		100	49 - 138	
4,4'-DDT	0.500	0.4652		ug/L		93	33 - 150	
Dieldrin	0.500	0.5139		ug/L		103	49 - 136	
Endosulfan I	0.500	0.4772		ug/L		95	10 - 150	
Endosulfan II	0.500	0.5133		ug/L		103	11 - 150	
Endosulfan sulfate	0.500	0.5619		ug/L		112	43 - 150	
Endrin	0.500	0.6385		ug/L		128	54 - 150	
Endrin aldehyde	0.500	0.3852		ug/L		77	50 - 150	
Endrin ketone	0.500	0.4931		ug/L		99	50 - 147	
Heptachlor	0.500	0.4877		ug/L		98	43 - 146	
Heptachlor epoxide	0.500	0.5052		ug/L		101	50 - 136	
Methoxychlor	0.500	0.4911		ug/L		98	35 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	91		38 - 150
DCB Decachlorobiphenyl (Surr)	82		10 - 141

**Lab Sample ID:** LCS 490-212724/3-A  
**Matrix:** Water  
**Analysis Batch:** 213072

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 212724

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Chlordane (technical)	5.00	4.997		ug/L		100	49 - 150	
Toxaphene	10.0	8.391		ug/L		84	34 - 150	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	91		38 - 150
DCB Decachlorobiphenyl (Surr)	87		10 - 141

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID:** MB 490-207937/1-A  
**Matrix:** Water  
**Analysis Batch:** 209414

**Client Sample ID:** Method Blank  
**Prep Type:** Total/NA  
**Prep Batch:** 207937

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0490		0.500	0.0490	ug/L		11/21/14 05:58	11/26/14 23:14	1
PCB-1221	<0.260		0.500	0.260	ug/L		11/21/14 05:58	11/26/14 23:14	1
PCB-1232	<0.0700		0.500	0.0700	ug/L		11/21/14 05:58	11/26/14 23:14	1
PCB-1242	<0.0640		0.500	0.0640	ug/L		11/21/14 05:58	11/26/14 23:14	1
PCB-1248	<0.0690		0.500	0.0690	ug/L		11/21/14 05:58	11/26/14 23:14	1
PCB-1254	<0.00700		0.500	0.00700	ug/L		11/21/14 05:58	11/26/14 23:14	1
PCB-1260	<0.0120		0.500	0.0120	ug/L		11/21/14 05:58	11/26/14 23:14	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: MB 490-207937/1-A**  
**Matrix: Water**  
**Analysis Batch: 209414**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 207937**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	98		10 - 150	11/21/14 05:58	11/26/14 23:14	1
Tetrachloro-m-xylene	90		10 - 150	11/21/14 05:58	11/26/14 23:14	1

**Lab Sample ID: LCS 490-207937/2-A**  
**Matrix: Water**  
**Analysis Batch: 209414**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 207937**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	5.00	4.680		ug/L		94	36 - 144

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	101		10 - 150
Tetrachloro-m-xylene	91		10 - 150

**Lab Sample ID: MB 490-208100/1-A**  
**Matrix: Solid**  
**Analysis Batch: 209414**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 208100**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0100		0.0333	0.0100	mg/Kg		11/21/14 12:14	11/26/14 13:32	1
PCB-1221	<0.0100		0.0333	0.0100	mg/Kg		11/21/14 12:14	11/26/14 13:32	1
PCB-1232	<0.0200		0.0333	0.0200	mg/Kg		11/21/14 12:14	11/26/14 13:32	1
PCB-1242	<0.0100		0.0333	0.0100	mg/Kg		11/21/14 12:14	11/26/14 13:32	1
PCB-1248	<0.0100		0.0333	0.0100	mg/Kg		11/21/14 12:14	11/26/14 13:32	1
PCB-1254	<0.0100		0.0333	0.0100	mg/Kg		11/21/14 12:14	11/26/14 13:32	1
PCB-1260	<0.0100		0.0333	0.0100	mg/Kg		11/21/14 12:14	11/26/14 13:32	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	97		20 - 150	11/21/14 12:14	11/26/14 13:32	1
Tetrachloro-m-xylene	79		19 - 147	11/21/14 12:14	11/26/14 13:32	1

**Lab Sample ID: LCS 490-208100/2-A**  
**Matrix: Solid**  
**Analysis Batch: 209414**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 208100**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	0.167	0.1722		mg/Kg		103	52 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	103		20 - 150
Tetrachloro-m-xylene	86		19 - 147

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: LCSD 490-208100/3-A**  
**Matrix: Solid**  
**Analysis Batch: 209414**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 208100**

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
PCB-1016	0.167	0.1847		mg/Kg		111	65 - 125	7	50	
PCB-1260	0.167	0.1797		mg/Kg		108	52 - 150	4	50	
<b>LCSD LCSD</b>										
Surrogate	%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl (Surr)	107		20 - 150							
Tetrachloro-m-xylene	91		19 - 147							

**Lab Sample ID: 490-66736-G-1-C MS**  
**Matrix: Solid**  
**Analysis Batch: 209414**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 208100**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	RPD
PCB-1016	<0.0107		0.177	0.1652		mg/Kg	☼	93	42 - 140	
PCB-1260	<0.0107		0.177	0.1774		mg/Kg	☼	100	37 - 159	
<b>MS MS</b>										
Surrogate	%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl (Surr)	108		20 - 150							
Tetrachloro-m-xylene	72		19 - 147							

**Lab Sample ID: 490-66736-G-1-D MSD**  
**Matrix: Solid**  
**Analysis Batch: 209414**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 208100**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	RPD
PCB-1016	<0.0107		0.178	0.1678		mg/Kg	☼	94	42 - 140	2
PCB-1260	<0.0107		0.178	0.1802		mg/Kg	☼	101	37 - 159	2
<b>MSD MSD</b>										
Surrogate	%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl (Surr)	110		20 - 150							
Tetrachloro-m-xylene	76		19 - 147							

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 490-211509/1-A**  
**Matrix: Water**  
**Analysis Batch: 214677**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 211509**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Antimony	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Arsenic	<0.00720		0.0100	0.00720	mg/L		12/05/14 07:16	12/16/14 17:03	1
Barium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		12/05/14 07:16	12/16/14 17:03	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Calcium	<0.500		1.00	0.500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Chromium	<0.00300		0.00500	0.00300	mg/L		12/05/14 07:16	12/16/14 17:03	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:03	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 490-211509/1-A  
Matrix: Water  
Analysis Batch: 214677

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 211509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Iron	<0.0500		0.100	0.0500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Lead	<0.00200		0.00500	0.00200	mg/L		12/05/14 07:16	12/16/14 17:03	1
Magnesium	<0.500		1.00	0.500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Manganese	<0.00500		0.0150	0.00500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Nickel	<0.00300		0.0100	0.00300	mg/L		12/05/14 07:16	12/16/14 17:03	1
Potassium	<0.500		1.00	0.500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Selenium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Silver	<0.00250		0.00500	0.00250	mg/L		12/05/14 07:16	12/16/14 17:03	1
Sodium	<0.500		1.00	0.500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Thallium	<0.00500		0.0100	0.00500	mg/L		12/05/14 07:16	12/16/14 17:03	1
Vanadium	<0.0100		0.0200	0.0100	mg/L		12/05/14 07:16	12/16/14 17:03	1
Zinc	<0.0300		0.0500	0.0300	mg/L		12/05/14 07:16	12/16/14 17:03	1

Lab Sample ID: LCS 490-211509/2-A  
Matrix: Water  
Analysis Batch: 214677

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 211509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.50	2.607		mg/L		104	80 - 120
Antimony	0.500	0.5254		mg/L		105	80 - 120
Arsenic	0.500	0.5074		mg/L		101	80 - 120
Barium	2.50	2.670		mg/L		107	80 - 120
Beryllium	0.500	0.5375		mg/L		108	80 - 120
Cadmium	0.500	0.5073		mg/L		101	80 - 120
Calcium	5.00	5.251		mg/L		105	80 - 120
Chromium	0.500	0.5216		mg/L		104	80 - 120
Cobalt	0.500	0.5454		mg/L		109	80 - 120
Copper	0.500	0.5297		mg/L		106	80 - 120
Iron	1.50	1.589		mg/L		106	80 - 120
Lead	0.500	0.5354		mg/L		107	80 - 120
Magnesium	5.00	5.387		mg/L		108	80 - 120
Manganese	0.500	0.5259		mg/L		105	80 - 120
Nickel	0.500	0.5373		mg/L		107	80 - 120
Potassium	5.00	5.175		mg/L		104	80 - 120
Selenium	0.500	0.5261		mg/L		105	80 - 120
Silver	0.250	0.2608		mg/L		104	80 - 120
Sodium	5.00	5.221		mg/L		104	80 - 120
Thallium	0.500	0.5462		mg/L		109	80 - 120
Vanadium	0.500	0.5291		mg/L		106	80 - 120
Zinc	0.500	0.5164		mg/L		103	80 - 120

Lab Sample ID: 490-66754-A-5-C MS  
Matrix: Water  
Analysis Batch: 214677

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 211509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.0900	J	2.50	2.785		mg/L		108	75 - 125
Antimony	<0.00500		0.500	0.5358		mg/L		107	75 - 125

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-66754-A-5-C MS**

**Matrix: Water**

**Analysis Batch: 214677**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 211509**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Arsenic	<0.00720		0.500	0.5278		mg/L		106	75 - 125
Barium	0.0428		2.50	2.805		mg/L		110	75 - 125
Beryllium	<0.00200		0.500	0.5571		mg/L		111	75 - 125
Cadmium	<0.000500		0.500	0.5241		mg/L		105	75 - 125
Calcium	<0.500		5.00	5.462		mg/L		109	75 - 125
Chromium	<0.00300		0.500	0.5392		mg/L		108	75 - 125
Cobalt	0.0487		0.500	0.6116		mg/L		113	75 - 125
Copper	<0.00500		0.500	0.5466		mg/L		109	75 - 125
Iron	0.584		1.50	2.225		mg/L		109	75 - 125
Lead	<0.00200		0.500	0.5539		mg/L		111	75 - 125
Magnesium	<0.500		5.00	5.631		mg/L		113	75 - 125
Manganese	1.25		0.500	1.764		mg/L		103	75 - 125
Nickel	0.0182		0.500	0.5732		mg/L		111	75 - 125
Potassium	<0.500		5.00	5.470		mg/L		109	75 - 125
Selenium	<0.00500		0.500	0.5420		mg/L		108	75 - 125
Silver	<0.00250		0.250	0.2625		mg/L		105	75 - 125
Sodium	2.83		5.00	8.169		mg/L		107	75 - 125
Thallium	<0.00500		0.500	0.5610		mg/L		112	75 - 125
Vanadium	<0.0100		0.500	0.5484		mg/L		110	75 - 125
Zinc	<0.0300		0.500	0.5527		mg/L		111	75 - 125

**Lab Sample ID: 490-66754-A-5-D MSD**

**Matrix: Water**

**Analysis Batch: 214677**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 211509**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Aluminum	0.0900	J	2.50	2.660		mg/L		103	75 - 125	5	20
Antimony	<0.00500		0.500	0.5202		mg/L		104	75 - 125	3	20
Arsenic	<0.00720		0.500	0.5043		mg/L		101	75 - 125	5	20
Barium	0.0428		2.50	2.695		mg/L		106	75 - 125	4	20
Beryllium	<0.00200		0.500	0.5383		mg/L		108	75 - 125	3	20
Cadmium	<0.000500		0.500	0.5072		mg/L		101	75 - 125	3	20
Calcium	<0.500		5.00	5.271		mg/L		105	75 - 125	4	20
Chromium	<0.00300		0.500	0.5196		mg/L		104	75 - 125	4	20
Cobalt	0.0487		0.500	0.5931		mg/L		109	75 - 125	3	20
Copper	<0.00500		0.500	0.5279		mg/L		106	75 - 125	3	20
Iron	0.584		1.50	2.161		mg/L		105	75 - 125	3	20
Lead	<0.00200		0.500	0.5320		mg/L		106	75 - 125	4	20
Magnesium	<0.500		5.00	5.405		mg/L		108	75 - 125	4	20
Manganese	1.25		0.500	1.766		mg/L		104	75 - 125	0	20
Nickel	0.0182		0.500	0.5532		mg/L		107	75 - 125	4	20
Potassium	<0.500		5.00	5.246		mg/L		105	75 - 125	4	20
Selenium	<0.00500		0.500	0.5272		mg/L		105	75 - 125	3	20
Silver	<0.00250		0.250	0.2589		mg/L		104	75 - 125	1	20
Sodium	2.83		5.00	8.010		mg/L		104	75 - 125	2	20
Thallium	<0.00500		0.500	0.5376		mg/L		108	75 - 125	4	20
Vanadium	<0.0100		0.500	0.5272		mg/L		105	75 - 125	4	20
Zinc	<0.0300		0.500	0.5344		mg/L		107	75 - 125	3	20

TestAmerica Nashville



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-214616/1-A**  
**Matrix: Solid**  
**Analysis Batch: 214961**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 214616**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<9.92		19.8	9.92	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Antimony	<0.992		9.92	0.992	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Arsenic	<0.893		1.98	0.893	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Barium	<1.59		1.98	1.59	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Beryllium	<0.397		0.992	0.397	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Cadmium	<0.0992		0.992	0.0992	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Calcium	<99.2		198	99.2	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Chromium	<0.595		0.992	0.595	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Cobalt	<0.992		1.98	0.992	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Copper	<0.992		1.98	0.992	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Iron	<19.8		39.7	19.8	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Lead	<0.496		0.992	0.496	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Magnesium	<99.2		198	99.2	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Manganese	<0.992		2.98	0.992	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Nickel	<0.595		1.98	0.595	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Potassium	<99.2		198	99.2	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Selenium	<0.992		1.98	0.992	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Silver	<0.496		0.992	0.496	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Sodium	<99.2		198	99.2	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Thallium	<0.992		1.98	0.992	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Vanadium	<1.98		9.92	1.98	mg/Kg		12/17/14 09:16	12/17/14 20:38	1
Zinc	<5.95		9.92	5.95	mg/Kg		12/17/14 09:16	12/17/14 20:38	1

**Lab Sample ID: LCS 490-214616/2-A**  
**Matrix: Solid**  
**Analysis Batch: 214961**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 214616**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	777	718.8		mg/Kg		93	80 - 120
Antimony	38.8	35.69		mg/Kg		92	80 - 120
Arsenic	19.4	17.01		mg/Kg		88	80 - 120
Barium	777	710.9		mg/Kg		92	80 - 120
Beryllium	19.4	18.08		mg/Kg		93	80 - 120
Cadmium	19.4	17.67		mg/Kg		91	80 - 120
Calcium	1940	1774		mg/Kg		91	80 - 120
Chromium	77.7	72.00		mg/Kg		93	80 - 120
Cobalt	194	181.2		mg/Kg		93	80 - 120
Copper	97.1	89.30		mg/Kg		92	80 - 120
Iron	388	362.5		mg/Kg		93	80 - 120
Lead	19.4	18.19		mg/Kg		94	80 - 120
Magnesium	1940	1789		mg/Kg		92	80 - 120
Manganese	194	178.2		mg/Kg		92	80 - 120
Nickel	194	178.5		mg/Kg		92	80 - 120
Potassium	1940	1770		mg/Kg		91	80 - 120
Selenium	19.4	17.05		mg/Kg		88	80 - 120
Silver	19.4	17.32		mg/Kg		89	80 - 120
Sodium	1940	1787		mg/Kg		92	80 - 120
Thallium	19.4	17.77		mg/Kg		91	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-214616/2-A**  
**Matrix: Solid**  
**Analysis Batch: 214961**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 214616**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	194	177.5		mg/Kg		91	80 - 120
Zinc	194	172.3		mg/Kg		89	80 - 120

**Lab Sample ID: LCSD 490-214616/3-A**  
**Matrix: Solid**  
**Analysis Batch: 214961**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 214616**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aluminum	777	719.8		mg/Kg		93	80 - 120	0	20
Antimony	38.8	35.63		mg/Kg		92	80 - 120	0	20
Arsenic	19.4	17.30		mg/Kg		89	80 - 120	2	20
Barium	777	708.5		mg/Kg		91	80 - 120	0	20
Beryllium	19.4	18.16		mg/Kg		93	80 - 120	0	20
Cadmium	19.4	17.69		mg/Kg		91	80 - 120	0	20
Calcium	1940	1782		mg/Kg		92	80 - 120	0	20
Chromium	77.7	72.02		mg/Kg		93	80 - 120	0	20
Cobalt	194	180.9		mg/Kg		93	80 - 120	0	20
Copper	97.1	88.60		mg/Kg		91	80 - 120	1	20
Iron	388	365.2		mg/Kg		94	80 - 120	1	20
Lead	19.4	18.43		mg/Kg		95	80 - 120	1	20
Magnesium	1940	1794		mg/Kg		92	80 - 120	0	20
Manganese	194	178.0		mg/Kg		92	80 - 120	0	20
Nickel	194	178.3		mg/Kg		92	80 - 120	0	20
Potassium	1940	1768		mg/Kg		91	80 - 120	0	20
Selenium	19.4	16.91		mg/Kg		87	80 - 120	1	20
Silver	19.4	17.26		mg/Kg		89	80 - 120	0	20
Sodium	1940	1782		mg/Kg		92	80 - 120	0	20
Thallium	19.4	17.11		mg/Kg		88	80 - 120	4	20
Vanadium	194	177.7		mg/Kg		92	80 - 120	0	20
Zinc	194	172.6		mg/Kg		89	80 - 120	0	20

**Lab Sample ID: 490-66802-1 MS**  
**Matrix: Soil**  
**Analysis Batch: 214961**

**Client Sample ID: TRACT 4 SB-1 (4-8)**  
**Prep Type: Total/NA**  
**Prep Batch: 214616**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	12900		1210	14240	4	mg/Kg	☼	114	75 - 125
Antimony	<1.47		60.6	57.44		mg/Kg	☼	95	75 - 125
Arsenic	11.2		30.3	39.56		mg/Kg	☼	94	75 - 125
Barium	43.7		1210	1171		mg/Kg	☼	93	75 - 125
Beryllium	<0.589		30.3	28.64		mg/Kg	☼	95	75 - 125
Cadmium	0.912	J	30.3	28.04		mg/Kg	☼	89	75 - 125
Calcium	90200		3030	82440	4	mg/Kg	☼	-255	75 - 125
Chromium	18.5		121	131.9		mg/Kg	☼	94	75 - 125
Cobalt	<1.47		303	286.0		mg/Kg	☼	94	75 - 125
Copper	11.6		152	155.5		mg/Kg	☼	95	75 - 125
Iron	7940		606	8817	4	mg/Kg	☼	145	75 - 125
Lead	69.7		30.3	101.8		mg/Kg	☼	106	75 - 125
Magnesium	442		3030	3274		mg/Kg	☼	93	75 - 125

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-66802-1 MS**  
**Matrix: Soil**  
**Analysis Batch: 214961**

**Client Sample ID: TRACT 4 SB-1 (4-8)**  
**Prep Type: Total/NA**  
**Prep Batch: 214616**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
Manganese	17.0		303	314.0		mg/Kg	*	98	75 - 125	
Nickel	2.30	J	303	282.1		mg/Kg	*	92	75 - 125	
Potassium	506		3030	3422		mg/Kg	*	96	75 - 125	
Selenium	1.88	J	30.3	29.16		mg/Kg	*	90	75 - 125	
Silver	<0.736		30.3	28.37		mg/Kg	*	94	75 - 125	
Sodium	895		3030	3810		mg/Kg	*	96	75 - 125	
Thallium	<1.47		30.3	28.64		mg/Kg	*	95	75 - 125	
Vanadium	22.9		303	305.5		mg/Kg	*	93	75 - 125	
Zinc	39.4		303	315.2		mg/Kg	*	91	75 - 125	

**Lab Sample ID: 490-66802-1 MSD**  
**Matrix: Soil**  
**Analysis Batch: 214961**

**Client Sample ID: TRACT 4 SB-1 (4-8)**  
**Prep Type: Total/NA**  
**Prep Batch: 214616**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Aluminum	12900		1200	12370	4	mg/Kg	*	-41	75 - 125	14	20	
Antimony	<1.47		59.9	48.49		mg/Kg	*	81	75 - 125	17	20	
Arsenic	11.2		30.0	39.30		mg/Kg	*	94	75 - 125	1	20	
Barium	43.7		1200	1152		mg/Kg	*	93	75 - 125	2	20	
Beryllium	<0.589		30.0	27.94		mg/Kg	*	93	75 - 125	2	20	
Cadmium	0.912	J	30.0	27.64		mg/Kg	*	89	75 - 125	1	20	
Calcium	90200		3000	85390	4	mg/Kg	*	-159	75 - 125	4	20	
Chromium	18.5		120	127.1		mg/Kg	*	91	75 - 125	4	20	
Cobalt	<1.47		300	283.1		mg/Kg	*	95	75 - 125	1	20	
Copper	11.6		150	155.0		mg/Kg	*	96	75 - 125	0	20	
Iron	7940		599	7221	4	mg/Kg	*	-120	75 - 125	20	20	
Lead	69.7		30.0	98.69		mg/Kg	*	97	75 - 125	3	20	
Magnesium	442		3000	3133		mg/Kg	*	90	75 - 125	4	20	
Manganese	17.0		300	288.4		mg/Kg	*	91	75 - 125	8	20	
Nickel	2.30	J	300	279.9		mg/Kg	*	93	75 - 125	1	20	
Potassium	506		3000	3247		mg/Kg	*	91	75 - 125	5	20	
Selenium	1.88	J	30.0	29.74		mg/Kg	*	93	75 - 125	2	20	
Silver	<0.736		30.0	10.18	F1 F2	mg/Kg	*	34	75 - 125	94	20	
Sodium	895		3000	3738		mg/Kg	*	95	75 - 125	2	20	
Thallium	<1.47		30.0	29.29		mg/Kg	*	98	75 - 125	2	20	
Vanadium	22.9		300	297.8		mg/Kg	*	92	75 - 125	3	20	
Zinc	39.4		300	316.9		mg/Kg	*	93	75 - 125	1	20	

**Lab Sample ID: MB 490-209490/1-B**  
**Matrix: Water**  
**Analysis Batch: 212063**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		11/26/14 14:51	12/06/14 12:32	1
Antimony	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	12/06/14 12:32	1
Arsenic	<0.00720		0.0100	0.00720	mg/L		11/26/14 14:51	12/06/14 12:32	1
Barium	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	12/06/14 12:32	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		11/26/14 14:51	12/06/14 12:32	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		11/26/14 14:51	12/06/14 12:32	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-209490/1-B**  
**Matrix: Water**  
**Analysis Batch: 212063**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Calcium	<0.500		1.00	0.500	mg/L		11/26/14 14:51	12/06/14 12:32	1
Chromium	<0.00300		0.00500	0.00300	mg/L		11/26/14 14:51	12/06/14 12:32	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	12/06/14 12:32	1
Copper	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	12/06/14 12:32	1
Iron	<0.0500		0.100	0.0500	mg/L		11/26/14 14:51	12/06/14 12:32	1
Lead	<0.00200		0.00500	0.00200	mg/L		11/26/14 14:51	12/06/14 12:32	1
Magnesium	<0.500		1.00	0.500	mg/L		11/26/14 14:51	12/06/14 12:32	1
Manganese	<0.00500		0.0150	0.00500	mg/L		11/26/14 14:51	12/06/14 12:32	1
Nickel	<0.00300		0.0100	0.00300	mg/L		11/26/14 14:51	12/06/14 12:32	1
Potassium	<0.500		1.00	0.500	mg/L		11/26/14 14:51	12/06/14 12:32	1
Selenium	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	12/06/14 12:32	1
Silver	<0.00250		0.00500	0.00250	mg/L		11/26/14 14:51	12/06/14 12:32	1
Thallium	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	12/06/14 12:32	1
Vanadium	<0.0100		0.0200	0.0100	mg/L		11/26/14 14:51	12/06/14 12:32	1
Zinc	<0.0300		0.0500	0.0300	mg/L		11/26/14 14:51	12/06/14 12:32	1

**Lab Sample ID: MB 490-209490/1-B**  
**Matrix: Water**  
**Analysis Batch: 220190**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		11/26/14 14:51	01/14/15 03:08	1
Antimony	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/14/15 03:08	1
Arsenic	<0.00720		0.0100	0.00720	mg/L		11/26/14 14:51	01/14/15 03:08	1
Barium	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/14/15 03:08	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		11/26/14 14:51	01/14/15 03:08	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		11/26/14 14:51	01/14/15 03:08	1
Calcium	<0.500		1.00	0.500	mg/L		11/26/14 14:51	01/14/15 03:08	1
Chromium	0.003300	J	0.00500	0.00300	mg/L		11/26/14 14:51	01/14/15 03:08	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/14/15 03:08	1
Lead	<0.00200		0.00500	0.00200	mg/L		11/26/14 14:51	01/14/15 03:08	1
Manganese	<0.00500		0.0150	0.00500	mg/L		11/26/14 14:51	01/14/15 03:08	1
Nickel	<0.00300		0.0100	0.00300	mg/L		11/26/14 14:51	01/14/15 03:08	1
Selenium	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/14/15 03:08	1
Silver	<0.00250		0.00500	0.00250	mg/L		11/26/14 14:51	01/14/15 03:08	1
Zinc	<0.0300		0.0500	0.0300	mg/L		11/26/14 14:51	01/14/15 03:08	1

**Lab Sample ID: MB 490-209490/1-B**  
**Matrix: Water**  
**Analysis Batch: 221270**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	<0.0500		0.100	0.0500	mg/L		11/26/14 14:51	01/18/15 16:14	1
Antimony	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/18/15 16:14	1
Arsenic	<0.00720		0.0100	0.00720	mg/L		11/26/14 14:51	01/18/15 16:14	1
Barium	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/18/15 16:14	1
Beryllium	<0.00200		0.00400	0.00200	mg/L		11/26/14 14:51	01/18/15 16:14	1
Cadmium	<0.000500		0.00100	0.000500	mg/L		11/26/14 14:51	01/18/15 16:14	1
Calcium	<0.500		1.00	0.500	mg/L		11/26/14 14:51	01/18/15 16:14	1

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 490-209490/1-B**  
**Matrix: Water**  
**Analysis Batch: 221270**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chromium	0.003500	J	0.00500	0.00300	mg/L		11/26/14 14:51	01/18/15 16:14	1
Cobalt	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/18/15 16:14	1
Copper	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/18/15 16:14	1
Iron	<0.0500		0.100	0.0500	mg/L		11/26/14 14:51	01/18/15 16:14	1
Lead	<0.00200		0.00500	0.00200	mg/L		11/26/14 14:51	01/18/15 16:14	1
Magnesium	<0.500		1.00	0.500	mg/L		11/26/14 14:51	01/18/15 16:14	1
Manganese	<0.00500		0.0150	0.00500	mg/L		11/26/14 14:51	01/18/15 16:14	1
Nickel	<0.00300		0.0100	0.00300	mg/L		11/26/14 14:51	01/18/15 16:14	1
Potassium	<0.500		1.00	0.500	mg/L		11/26/14 14:51	01/18/15 16:14	1
Selenium	<0.00500		0.0100	0.00500	mg/L		11/26/14 14:51	01/18/15 16:14	1
Silver	<0.00250		0.00500	0.00250	mg/L		11/26/14 14:51	01/18/15 16:14	1
Sodium	<0.500		1.00	0.500	mg/L		11/26/14 14:51	01/18/15 16:14	1
Vanadium	<0.0100		0.0200	0.0100	mg/L		11/26/14 14:51	01/18/15 16:14	1
Zinc	<0.0300		0.0500	0.0300	mg/L		11/26/14 14:51	01/18/15 16:14	1

**Lab Sample ID: LCS 490-209490/2-B**  
**Matrix: Water**  
**Analysis Batch: 212063**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aluminum	2.50	2.519		mg/L		101	80 - 120
Antimony	0.500	0.4879		mg/L		98	80 - 120
Arsenic	0.500	0.5158		mg/L		103	80 - 120
Barium	2.50	2.611		mg/L		104	80 - 120
Beryllium	0.500	0.5196		mg/L		104	80 - 120
Cadmium	0.500	0.5095		mg/L		102	80 - 120
Calcium	5.00	5.078		mg/L		102	80 - 120
Chromium	0.500	0.5198		mg/L		104	80 - 120
Cobalt	0.500	0.5047		mg/L		101	80 - 120
Copper	0.500	0.5123		mg/L		102	80 - 120
Iron	1.50	1.550		mg/L		103	80 - 120
Lead	0.500	0.5076		mg/L		102	80 - 120
Magnesium	5.00	5.149		mg/L		103	80 - 120
Manganese	0.500	0.5223		mg/L		104	80 - 120
Nickel	0.500	0.5104		mg/L		102	80 - 120
Potassium	5.00	4.983		mg/L		100	80 - 120
Selenium	0.500	0.5392		mg/L		108	80 - 120
Silver	0.250	0.2331		mg/L		93	80 - 120
Thallium	0.500	0.5175		mg/L		104	80 - 120
Vanadium	0.500	0.5132		mg/L		103	80 - 120
Zinc	0.500	0.5251		mg/L		105	80 - 120

**Lab Sample ID: LCS 490-209490/2-B**  
**Matrix: Water**  
**Analysis Batch: 220190**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aluminum	2.50	2.587		mg/L		103	80 - 120
Antimony	0.500	0.4729		mg/L		95	80 - 120

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 490-209490/2-B**  
**Matrix: Water**  
**Analysis Batch: 220190**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Arsenic	0.500	0.5105		mg/L		102	80 - 120	
Barium	2.50	2.558		mg/L		102	80 - 120	
Beryllium	0.500	0.4837		mg/L		97	80 - 120	
Cadmium	0.500	0.5084		mg/L		102	80 - 120	
Calcium	5.00	4.594		mg/L		92	80 - 120	
Chromium	0.500	0.5127		mg/L		103	80 - 120	
Cobalt	0.500	0.5036		mg/L		101	80 - 120	
Lead	0.500	0.5053		mg/L		101	80 - 120	
Manganese	0.500	0.5084		mg/L		102	80 - 120	
Nickel	0.500	0.5274		mg/L		105	80 - 120	
Selenium	0.500	0.5355		mg/L		107	80 - 120	
Silver	0.250	0.2290		mg/L		92	80 - 120	
Thallium	0.500	0.5377		mg/L		108	80 - 120	
Zinc	0.500	0.5194		mg/L		104	80 - 120	

**Lab Sample ID: LCS 490-209490/2-B**  
**Matrix: Water**  
**Analysis Batch: 221270**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	2.50	2.688		mg/L		108	80 - 120	
Antimony	0.500	0.5001		mg/L		100	80 - 120	
Arsenic	0.500	0.5310		mg/L		106	80 - 120	
Barium	2.50	2.752		mg/L		110	80 - 120	
Beryllium	0.500	0.5332		mg/L		107	80 - 120	
Cadmium	0.500	0.5245		mg/L		105	80 - 120	
Calcium	5.00	5.147		mg/L		103	80 - 120	
Chromium	0.500	0.5423		mg/L		108	80 - 120	
Cobalt	0.500	0.5460		mg/L		109	80 - 120	
Copper	0.500	0.5429		mg/L		109	80 - 120	
Iron	1.50	1.621		mg/L		108	80 - 120	
Lead	0.500	0.5382		mg/L		108	80 - 120	
Magnesium	5.00	5.476		mg/L		110	80 - 120	
Manganese	0.500	0.5200		mg/L		104	80 - 120	
Nickel	0.500	0.5467		mg/L		109	80 - 120	
Potassium	5.00	5.242		mg/L		105	80 - 120	
Selenium	0.500	0.5536		mg/L		111	80 - 120	
Silver	0.250	0.2487		mg/L		99	80 - 120	
Sodium	5.00	5.382		mg/L		108	80 - 120	
Vanadium	0.500	0.5258		mg/L		105	80 - 120	
Zinc	0.500	0.5373		mg/L		107	80 - 120	

**Lab Sample ID: LCSD 490-209490/3-B**  
**Matrix: Water**  
**Analysis Batch: 214850**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Aluminum	2.50	2.635		mg/L		105	80 - 120	5	20	
Antimony	0.500	0.4803		mg/L		96	80 - 120	2	20	

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCSD 490-209490/3-B**  
**Matrix: Water**  
**Analysis Batch: 214850**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD Limit
							Limits	RPD	
Arsenic	0.500	0.5318		mg/L		106	80 - 120	3	20
Barium	2.50	2.609		mg/L		104	80 - 120	0	20
Beryllium	0.500	0.5385		mg/L		108	80 - 120	4	20
Cadmium	0.500	0.5194		mg/L		104	80 - 120	2	20
Calcium	5.00	5.298		mg/L		106	80 - 120	4	20
Chromium	0.500	0.5263		mg/L		105	80 - 120	1	20
Cobalt	0.500	0.5236		mg/L		105	80 - 120	4	20
Copper	0.500	0.5330		mg/L		107	80 - 120	4	20
Iron	1.50	1.570		mg/L		105	80 - 120	1	20
Lead	0.500	0.5266		mg/L		105	80 - 120	4	20
Magnesium	5.00	5.129		mg/L		103	80 - 120	0	20
Manganese	0.500	0.5156		mg/L		103	80 - 120	1	20
Nickel	0.500	0.5290		mg/L		106	80 - 120	4	20
Potassium	5.00	5.436		mg/L		109	80 - 120	9	20
Selenium	0.500	0.5533		mg/L		111	80 - 120	3	20
Silver	0.250	0.2342		mg/L		94	80 - 120	0	20
Sodium	5.00	5.416		mg/L		108	80 - 120	4	20
Thallium	0.500	0.5246		mg/L		105	80 - 120	1	20
Vanadium	0.500	0.5248		mg/L		105	80 - 120	2	20
Zinc	0.500	0.5260		mg/L		105	80 - 120	0	20

**Lab Sample ID: LCSD 490-209490/3-B**  
**Matrix: Water**  
**Analysis Batch: 220190**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD Limit
							Limits	RPD	
Aluminum	2.50	2.559		mg/L		102	80 - 120	1	20
Antimony	0.500	0.4657		mg/L		93	80 - 120	2	20
Arsenic	0.500	0.4987		mg/L		100	80 - 120	2	20
Barium	2.50	2.514		mg/L		101	80 - 120	2	20
Beryllium	0.500	0.4787		mg/L		96	80 - 120	1	20
Cadmium	0.500	0.4994		mg/L		100	80 - 120	2	20
Calcium	5.00	4.528		mg/L		91	80 - 120	1	20
Chromium	0.500	0.4976		mg/L		100	80 - 120	3	20
Cobalt	0.500	0.4911		mg/L		98	80 - 120	3	20
Lead	0.500	0.4935		mg/L		99	80 - 120	2	20
Manganese	0.500	0.5003		mg/L		100	80 - 120	2	20
Nickel	0.500	0.5210		mg/L		104	80 - 120	1	20
Selenium	0.500	0.5258		mg/L		105	80 - 120	2	20
Silver	0.250	0.2247		mg/L		90	80 - 120	2	20
Thallium	0.500	0.5323		mg/L		106	80 - 120	1	20
Zinc	0.500	0.5130		mg/L		103	80 - 120	1	20

**Lab Sample ID: LCSD 490-209490/3-B**  
**Matrix: Water**  
**Analysis Batch: 221270**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD Limit
							Limits	RPD	
Aluminum	2.50	2.681		mg/L		107	80 - 120	0	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCSD 490-209490/3-B**

**Matrix: Water**

**Analysis Batch: 221270**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Dissolved**

**Prep Batch: 209492**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD Limit
							Limits	RPD	
Antimony	0.500	0.4950		mg/L		99	80 - 120	1	20
Arsenic	0.500	0.5248		mg/L		105	80 - 120	1	20
Barium	2.50	2.730		mg/L		109	80 - 120	1	20
Beryllium	0.500	0.5325		mg/L		107	80 - 120	0	20
Cadmium	0.500	0.5226		mg/L		105	80 - 120	0	20
Calcium	5.00	5.145		mg/L		103	80 - 120	0	20
Chromium	0.500	0.5336		mg/L		107	80 - 120	2	20
Cobalt	0.500	0.5418		mg/L		108	80 - 120	1	20
Copper	0.500	0.5390		mg/L		108	80 - 120	1	20
Iron	1.50	1.599		mg/L		107	80 - 120	1	20
Lead	0.500	0.5362		mg/L		107	80 - 120	0	20
Magnesium	5.00	5.493		mg/L		110	80 - 120	0	20
Manganese	0.500	0.5180		mg/L		104	80 - 120	0	20
Nickel	0.500	0.5428		mg/L		109	80 - 120	1	20
Potassium	5.00	5.197		mg/L		104	80 - 120	1	20
Selenium	0.500	0.5489		mg/L		110	80 - 120	1	20
Silver	0.250	0.2467		mg/L		99	80 - 120	1	20
Sodium	5.00	5.454		mg/L		109	80 - 120	1	20
Vanadium	0.500	0.5271		mg/L		105	80 - 120	0	20
Zinc	0.500	0.5377		mg/L		108	80 - 120	0	20

**Lab Sample ID: 490-66293-H-1-E MS**

**Matrix: Water**

**Analysis Batch: 221270**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 209492**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	RPD
Aluminum			2.50	4.219		mg/L				
Antimony			0.500	0.7438		mg/L				
Arsenic			0.500	0.7511		mg/L				
Barium			2.50	8.162		mg/L				
Beryllium			0.500	0.4299		mg/L				
Cadmium			0.500	0.3410		mg/L				
Calcium			5.00	OVER		ppm				
Chromium			0.500	0.4110		mg/L				
Cobalt			0.500	0.4090		mg/L				
Copper			0.500	0.6282		mg/L				
Iron			1.50	27.95		mg/L				
Lead			0.500	0.3466		mg/L				
Potassium			5.00	835.0		mg/L				
Selenium			0.500	0.7083		mg/L				
Silver			0.250	0.3925		mg/L				
Sodium			5.00	453.6		mg/L				
Thallium			0.500	0.3718		mg/L				



# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-66293-H-1-E MS ^5**

**Matrix: Water**

**Analysis Batch: 212063**

**Client Sample ID: Matrix Spike**

**Prep Type: Dissolved**

**Prep Batch: 209492**

Analyte	Sample	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec.	
	Result			Result	Qualifier				Limits	Limits
Aluminum	1.95		2.50	4.432		mg/L		99	75 - 125	
Beryllium	<0.0100		0.500	0.4320		mg/L		86	75 - 125	
Cadmium	<0.00250		0.500	0.3720	F1	mg/L		74	75 - 125	
Chromium	<0.0150		0.500	0.4235		mg/L		85	75 - 125	
Copper	<0.0250		0.500	0.5285		mg/L		106	75 - 125	
Iron	29.4		1.50	29.53	4	mg/L		10	75 - 125	
Magnesium	1640		5.00	1577	4	mg/L		-1330	75 - 125	
Manganese	11.4		0.500	11.41	4	mg/L		3	75 - 125	
Silver	<0.0125		0.250	0.2775		mg/L		111	75 - 125	
Vanadium	<0.0500		0.500	0.4630		mg/L		93	75 - 125	
Zinc	<0.150		0.500	0.6285	F1	mg/L		126	75 - 125	

**Lab Sample ID: 490-66293-H-1-F MSD**

**Matrix: Water**

**Analysis Batch: 212063**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 209492**

Analyte	Sample	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result			Result	Qualifier				Limits	RPD	Limit	
Aluminum	1.95		2.50	4.451		mg/L		100	75 - 125	0	20	
Beryllium	<0.0100		0.500	0.4240		mg/L		85	75 - 125	2	20	
Cadmium	<0.00250		0.500	0.3650	F1	mg/L		73	75 - 125	2	20	
Chromium	<0.0150		0.500	0.4160		mg/L		83	75 - 125	2	20	
Copper	<0.0250		0.500	0.5170		mg/L		103	75 - 125	2	20	
Iron	29.4		1.50	28.96	4	mg/L		-28	75 - 125	2	20	
Magnesium	1640		5.00	1552	4	mg/L		-1830	75 - 125	2	20	
Manganese	11.4		0.500	11.23	4	mg/L		-33	75 - 125	2	20	
Silver	<0.0125		0.250	0.2735		mg/L		109	75 - 125	1	20	
Vanadium	<0.0500		0.500	0.4465		mg/L		89	75 - 125	4	20	
Zinc	<0.150		0.500	0.6565	F1	mg/L		131	75 - 125	4	20	

**Lab Sample ID: 490-66293-H-1-F MSD**

**Matrix: Water**

**Analysis Batch: 221270**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Dissolved**

**Prep Batch: 209492**

Analyte	Sample	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result			Result	Qualifier				Limits	RPD	Limit	
Aluminum			2.50	4.262		mg/L						
Antimony			0.500	0.7458		mg/L						
Arsenic			0.500	0.7390		mg/L						
Barium			2.50	8.098		mg/L						
Beryllium			0.500	0.4353		mg/L						
Cadmium			0.500	0.3394		mg/L						
Calcium			5.00	OVER		ppm						
Chromium			0.500	0.4112		mg/L						
Cobalt			0.500	0.4047		mg/L						
Copper			0.500	0.6338		mg/L						
Iron			1.50	28.27		mg/L						
Lead			0.500	0.3414		mg/L						
Potassium			5.00	855.5		mg/L						
Selenium			0.500	0.6937		mg/L						

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 490-66293-H-1-F MSD**  
**Matrix: Water**  
**Analysis Batch: 221270**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 209492**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Silver			0.250	0.3989		mg/L					
Sodium			5.00	423.5		mg/L					
Thallium			0.500	0.3712		mg/L					

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 490-211306/1-A**  
**Matrix: Water**  
**Analysis Batch: 212099**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 211306**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000150		0.000200	0.000150	mg/L		12/04/14 11:54	12/06/14 13:55	1

**Lab Sample ID: LCS 490-211306/2-A**  
**Matrix: Water**  
**Analysis Batch: 212099**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 211306**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Mercury	0.00100	0.0008560		mg/L		86	80 - 120

**Lab Sample ID: 490-66754-A-7-B MS**  
**Matrix: Water**  
**Analysis Batch: 212099**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 211306**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	<0.000150		0.00100	0.0008862		mg/L		89	75 - 125

**Lab Sample ID: 490-66754-A-7-C MSD**  
**Matrix: Water**  
**Analysis Batch: 212099**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 211306**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Mercury	<0.000150		0.00100	0.0008391		mg/L		84	75 - 125	5	20

**Lab Sample ID: MB 490-212391/1-B**  
**Matrix: Water**  
**Analysis Batch: 213125**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 212392**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000150		0.000200	0.000150	mg/L		12/09/14 08:16	12/10/14 16:58	1

**Lab Sample ID: LCS 490-212391/2-B**  
**Matrix: Water**  
**Analysis Batch: 213125**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**  
**Prep Batch: 212392**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Mercury	0.00100	0.001124		mg/L		112	80 - 120

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: 7470A - Mercury (CVAA) (Continued)

**Lab Sample ID: 490-66802-2 MS**  
**Matrix: Ground Water**  
**Analysis Batch: 213125**

**Client Sample ID: TRACT 4 TW-1 (8-12)**  
**Prep Type: Dissolved**  
**Prep Batch: 212392**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.000150		0.00100	0.001017		mg/L		102	75 - 125

**Lab Sample ID: 490-66802-2 MSD**  
**Matrix: Ground Water**  
**Analysis Batch: 213125**

**Client Sample ID: TRACT 4 TW-1 (8-12)**  
**Prep Type: Dissolved**  
**Prep Batch: 212392**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.000150		0.00100	0.001077		mg/L		108	75 - 125	6	20

## Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

**Lab Sample ID: MB 490-211919/1-A**  
**Matrix: Solid**  
**Analysis Batch: 214682**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 211919**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0294		0.0979	0.0294	mg/Kg		12/06/14 10:38	12/16/14 17:42	1

**Lab Sample ID: LCS 490-211919/2-A**  
**Matrix: Solid**  
**Analysis Batch: 214682**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 211919**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.166	0.1668		mg/Kg		100	80 - 120

**Lab Sample ID: LCSD 490-211919/3-A**  
**Matrix: Solid**  
**Analysis Batch: 214682**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 211919**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.167	0.1495		mg/Kg		89	80 - 120	11	20

**Lab Sample ID: 490-66802-1 MS**  
**Matrix: Soil**  
**Analysis Batch: 214682**

**Client Sample ID: TRACT 4 SB-1 (4-8)**  
**Prep Type: Total/NA**  
**Prep Batch: 211919**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0440	J	0.255	0.3335		mg/Kg	☼	114	80 - 120

**Lab Sample ID: 490-66802-1 MSD**  
**Matrix: Soil**  
**Analysis Batch: 214682**

**Client Sample ID: TRACT 4 SB-1 (4-8)**  
**Prep Type: Total/NA**  
**Prep Batch: 211919**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0440	J	0.253	0.3178		mg/Kg	☼	108	80 - 120	5	20

TestAmerica Nashville

# QC Sample Results

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Method: Moisture - Percent Moisture

Lab Sample ID: 490-66771-A-1 DU  
Matrix: Solid  
Analysis Batch: 208001

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Percent Solids	76		76		%		0.05	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## GC/MS VOA

### Prep Batch: 208043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	5035	
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	5035	
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	5035	
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	5035	
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	5035	
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	5035	
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	5035	
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	5035	

### Analysis Batch: 208476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	8260B	208043
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	8260B	208043
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	8260B	208043
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	8260B	208043
LCS 490-208476/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-208476/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-208476/6	Method Blank	Total/NA	Solid	8260B	

### Analysis Batch: 208878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	8260B	208043
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	8260B	208043
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	8260B	208043
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	8260B	208043
LCS 490-208878/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-208878/5	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-208878/7	Method Blank	Total/NA	Solid	8260B	

### Prep Batch: 209666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-67341-E-15-A MS	Matrix Spike	Total/NA	Solid	5035	
490-67341-E-15-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

### Analysis Batch: 210169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Total/NA	Ground Water	8260B	
490-66802-5	TRACT 4B TW-1 (6-10)	Total/NA	Ground Water	8260B	
490-66802-7	Trip Blank	Total/NA	Water	8260B	
490-66802-8	Trip Blank	Total/NA	Water	8260B	
490-66816-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-66816-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-210169/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-210169/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-210169/7	Method Blank	Total/NA	Water	8260B	

### Analysis Batch: 211566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	8260B	211581
490-67341-E-15-A MS	Matrix Spike	Total/NA	Solid	8260B	209666
490-67341-E-15-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	209666

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## GC/MS VOA (Continued)

### Analysis Batch: 211566 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-211566/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-211566/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-211566/8	Method Blank	Total/NA	Solid	8260B	
MB 490-211566/9	Method Blank	Total/NA	Solid	8260B	

### Prep Batch: 211581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	5035	

## GC/MS Semi VOA

### Prep Batch: 207941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Total/NA	Ground Water	3510C	
490-66802-5	TRACT 4B TW-1 (6-10)	Total/NA	Ground Water	3510C	
LCS 490-207941/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-207941/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 207993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Total/NA	Ground Water	8270D	207941
490-66802-5	TRACT 4B TW-1 (6-10)	Total/NA	Ground Water	8270D	207941
LCS 490-207941/2-A	Lab Control Sample	Total/NA	Water	8270D	207941
MB 490-207941/1-A	Method Blank	Total/NA	Water	8270D	207941

### Prep Batch: 209735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	3550C	
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	3550C	
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	3550C	
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	3550C	
490-67259-A-3-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-67259-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
LCS 490-209735/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-209735/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 210194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	8270D	209735
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	8270D	209735
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	8270D	209735
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	8270D	209735
490-67259-A-3-B MS	Matrix Spike	Total/NA	Solid	8270D	209735
490-67259-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	209735
LCS 490-209735/2-A	Lab Control Sample	Total/NA	Solid	8270D	209735
MB 490-209735/1-A	Method Blank	Total/NA	Solid	8270D	209735

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## GC Semi VOA

### Prep Batch: 207937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Total/NA	Ground Water	3510C	
490-66802-5	TRACT 4B TW-1 (6-10)	Total/NA	Ground Water	3510C	
LCS 490-207937/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 490-207937/3-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 490-207937/4-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-207937/1-A	Method Blank	Total/NA	Water	3510C	

### Prep Batch: 208100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66736-G-1-C MS	Matrix Spike	Total/NA	Solid	3550C	
490-66736-G-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	3550C	
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	3550C	
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	3550C	
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	3550C	
LCS 490-208100/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 490-208100/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
MB 490-208100/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 208165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66736-L-1-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-66736-L-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	3550C	
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	3550C	
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	3550C	
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	3550C	
LCS 490-208165/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 490-208165/3-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-208165/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 209414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66736-G-1-C MS	Matrix Spike	Total/NA	Solid	8082A	208100
490-66736-G-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	208100
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	8082A	208100
490-66802-2	TRACT 4 TW-1 (8-12)	Total/NA	Ground Water	8082A	207937
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	8082A	208100
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	8082A	208100
490-66802-5	TRACT 4B TW-1 (6-10)	Total/NA	Ground Water	8082A	207937
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	8082A	208100
LCS 490-207937/2-A	Lab Control Sample	Total/NA	Water	8082A	207937
LCS 490-208100/2-A	Lab Control Sample	Total/NA	Solid	8082A	208100
LCSD 490-208100/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	208100
MB 490-207937/1-A	Method Blank	Total/NA	Water	8082A	207937
MB 490-208100/1-A	Method Blank	Total/NA	Solid	8082A	208100

### Analysis Batch: 210987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66736-L-1-B MS	Matrix Spike	Total/NA	Solid	8081B	208165
490-66736-L-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	208165

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## GC Semi VOA (Continued)

### Analysis Batch: 210987 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	8081B	208165
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	8081B	208165
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	8081B	208165
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	8081B	208165
LCS 490-208165/2-A	Lab Control Sample	Total/NA	Solid	8081B	208165
LCS 490-208165/3-A	Lab Control Sample	Total/NA	Solid	8081B	208165
MB 490-208165/1-A	Method Blank	Total/NA	Solid	8081B	208165

### Analysis Batch: 212364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Total/NA	Ground Water	8081B	207937
LCS 490-207937/3-A	Lab Control Sample	Total/NA	Water	8081B	207937
LCS 490-207937/4-A	Lab Control Sample	Total/NA	Water	8081B	207937
MB 490-207937/1-A	Method Blank	Total/NA	Water	8081B	207937

### Prep Batch: 212724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Total/NA	Ground Water	3510C	
490-66802-5	TRACT 4B TW-1 (6-10)	Total/NA	Ground Water	3510C	
LCS 490-212724/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 490-212724/3-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-212724/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 213072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Total/NA	Ground Water	8081B	212724
490-66802-5	TRACT 4B TW-1 (6-10)	Total/NA	Ground Water	8081B	212724
490-66802-5	TRACT 4B TW-1 (6-10)	Total/NA	Ground Water	8081B	207937
LCS 490-212724/2-A	Lab Control Sample	Total/NA	Water	8081B	212724
LCS 490-212724/3-A	Lab Control Sample	Total/NA	Water	8081B	212724
MB 490-212724/1-A	Method Blank	Total/NA	Water	8081B	212724

## Metals

### Filtration Batch: 209490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66293-H-1-E MS	Matrix Spike	Dissolved	Water	Filtration	
490-66293-H-1-E MS ^5	Matrix Spike	Dissolved	Water	Filtration	
490-66293-H-1-F MSD	Matrix Spike Duplicate	Dissolved	Water	Filtration	
490-66802-2	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	Filtration	
LCS 490-209490/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-209490/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-209490/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 209492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66293-H-1-E MS	Matrix Spike	Dissolved	Water	3005A	209490
490-66293-H-1-E MS ^5	Matrix Spike	Dissolved	Water	3005A	209490
490-66293-H-1-F MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	209490
490-66802-2	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	3005A	209490

TestAmerica Nashville



# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Metals (Continued)

### Prep Batch: 209492 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-209490/2-B	Lab Control Sample	Dissolved	Water	3005A	209490
LCSD 490-209490/3-B	Lab Control Sample Dup	Dissolved	Water	3005A	209490
MB 490-209490/1-B	Method Blank	Dissolved	Water	3005A	209490

### Prep Batch: 211306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66754-A-7-B MS	Matrix Spike	Total/NA	Water	7470A	
490-66754-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
490-66802-2	TRACT 4 TW-1 (8-12)	Total/NA	Ground Water	7470A	
490-66802-5	TRACT 4B TW-1 (6-10)	Total/NA	Ground Water	7470A	
LCS 490-211306/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 490-211306/1-A	Method Blank	Total/NA	Water	7470A	

### Prep Batch: 211509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66754-A-5-C MS	Matrix Spike	Total/NA	Water	3010A	
490-66754-A-5-D MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
490-66802-2	TRACT 4 TW-1 (8-12)	Total/NA	Ground Water	3010A	
490-66802-5	TRACT 4B TW-1 (6-10)	Total/NA	Ground Water	3010A	
LCS 490-211509/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 490-211509/1-A	Method Blank	Total/NA	Water	3010A	

### Prep Batch: 211919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	7471B	
490-66802-1 MS	TRACT 4 SB-1 (4-8)	Total/NA	Soil	7471B	
490-66802-1 MSD	TRACT 4 SB-1 (4-8)	Total/NA	Soil	7471B	
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	7471B	
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	7471B	
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	7471B	
LCS 490-211919/2-A	Lab Control Sample	Total/NA	Solid	7471B	
LCSD 490-211919/3-A	Lab Control Sample Dup	Total/NA	Solid	7471B	
MB 490-211919/1-A	Method Blank	Total/NA	Solid	7471B	

### Analysis Batch: 212063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66293-H-1-E MS ^5	Matrix Spike	Dissolved	Water	6010C	209492
490-66293-H-1-F MSD	Matrix Spike Duplicate	Dissolved	Water	6010C	209492
LCS 490-209490/2-B	Lab Control Sample	Dissolved	Water	6010C	209492
MB 490-209490/1-B	Method Blank	Dissolved	Water	6010C	209492

### Analysis Batch: 212099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66754-A-7-B MS	Matrix Spike	Total/NA	Water	7470A	211306
490-66754-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	211306
490-66802-2	TRACT 4 TW-1 (8-12)	Total/NA	Ground Water	7470A	211306
490-66802-5	TRACT 4B TW-1 (6-10)	Total/NA	Ground Water	7470A	211306
LCS 490-211306/2-A	Lab Control Sample	Total/NA	Water	7470A	211306
MB 490-211306/1-A	Method Blank	Total/NA	Water	7470A	211306

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Metals (Continued)

### Filtration Batch: 212391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	Filtration	
490-66802-2 MS	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	Filtration	
490-66802-2 MSD	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	Filtration	
LCS 490-212391/2-B	Lab Control Sample	Dissolved	Water	Filtration	
MB 490-212391/1-B	Method Blank	Dissolved	Water	Filtration	

### Prep Batch: 212392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	7470A	212391
490-66802-2 MS	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	7470A	212391
490-66802-2 MSD	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	7470A	212391
LCS 490-212391/2-B	Lab Control Sample	Dissolved	Water	7470A	212391
MB 490-212391/1-B	Method Blank	Dissolved	Water	7470A	212391

### Analysis Batch: 213125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	7470A	212392
490-66802-2 MS	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	7470A	212392
490-66802-2 MSD	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	7470A	212392
LCS 490-212391/2-B	Lab Control Sample	Dissolved	Water	7470A	212392
MB 490-212391/1-B	Method Blank	Dissolved	Water	7470A	212392

### Prep Batch: 214616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	3051A	
490-66802-1 MS	TRACT 4 SB-1 (4-8)	Total/NA	Soil	3051A	
490-66802-1 MSD	TRACT 4 SB-1 (4-8)	Total/NA	Soil	3051A	
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	3051A	
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	3051A	
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	3051A	
LCS 490-214616/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 490-214616/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	
MB 490-214616/1-A	Method Blank	Total/NA	Solid	3051A	

### Analysis Batch: 214677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66754-A-5-C MS	Matrix Spike	Total/NA	Water	6010C	211509
490-66754-A-5-D MSD	Matrix Spike Duplicate	Total/NA	Water	6010C	211509
490-66802-2	TRACT 4 TW-1 (8-12)	Total/NA	Ground Water	6010C	211509
490-66802-5	TRACT 4B TW-1 (6-10)	Total/NA	Ground Water	6010C	211509
LCS 490-211509/2-A	Lab Control Sample	Total/NA	Water	6010C	211509
MB 490-211509/1-A	Method Blank	Total/NA	Water	6010C	211509

### Analysis Batch: 214682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	7471B	211919
490-66802-1 MS	TRACT 4 SB-1 (4-8)	Total/NA	Soil	7471B	211919
490-66802-1 MSD	TRACT 4 SB-1 (4-8)	Total/NA	Soil	7471B	211919
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	7471B	211919
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	7471B	211919
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	7471B	211919

TestAmerica Nashville

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Metals (Continued)

### Analysis Batch: 214682 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-211919/2-A	Lab Control Sample	Total/NA	Solid	7471B	211919
LCSD 490-211919/3-A	Lab Control Sample Dup	Total/NA	Solid	7471B	211919
MB 490-211919/1-A	Method Blank	Total/NA	Solid	7471B	211919

### Analysis Batch: 214850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 490-209490/3-B	Lab Control Sample Dup	Dissolved	Water	6010C	209492

### Analysis Batch: 214961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	6010C	214616
490-66802-1 MS	TRACT 4 SB-1 (4-8)	Total/NA	Soil	6010C	214616
490-66802-1 MSD	TRACT 4 SB-1 (4-8)	Total/NA	Soil	6010C	214616
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	6010C	214616
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	6010C	214616
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	6010C	214616
LCS 490-214616/2-A	Lab Control Sample	Total/NA	Solid	6010C	214616
LCSD 490-214616/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	214616
MB 490-214616/1-A	Method Blank	Total/NA	Solid	6010C	214616

### Analysis Batch: 220190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	6010C	209492
LCS 490-209490/2-B	Lab Control Sample	Dissolved	Water	6010C	209492
LCSD 490-209490/3-B	Lab Control Sample Dup	Dissolved	Water	6010C	209492
MB 490-209490/1-B	Method Blank	Dissolved	Water	6010C	209492

### Analysis Batch: 221270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66293-H-1-E MS	Matrix Spike	Dissolved	Water	6010C	209492
490-66293-H-1-F MSD	Matrix Spike Duplicate	Dissolved	Water	6010C	209492
490-66802-2	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	6010C	209492
LCS 490-209490/2-B	Lab Control Sample	Dissolved	Water	6010C	209492
LCSD 490-209490/3-B	Lab Control Sample Dup	Dissolved	Water	6010C	209492
MB 490-209490/1-B	Method Blank	Dissolved	Water	6010C	209492

### Analysis Batch: 221796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	6010C	209492

### Analysis Batch: 222021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66802-2	TRACT 4 TW-1 (8-12)	Dissolved	Ground Water	6010C	209492

## General Chemistry

### Analysis Batch: 208001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66771-A-1 DU	Duplicate	Total/NA	Solid	Moisture	
490-66771-A-1 MS	Matrix Spike	Total/NA	Solid	Moisture	

# QC Association Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## General Chemistry (Continued)

### Analysis Batch: 208001 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-66771-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
490-66802-1	TRACT 4 SB-1 (4-8)	Total/NA	Soil	Moisture	
490-66802-3	TRACT 4B SB-1 (1-3)	Total/NA	Soil	Moisture	
490-66802-4	TRACT 4B SB-1 (18-22)	Total/NA	Soil	Moisture	
490-66802-6	TRACT 4C SB-1 (0-2)	Total/NA	Soil	Moisture	

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

**Client Sample ID: TRACT 4 SB-1 (4-8)**

**Lab Sample ID: 490-66802-1**

Date Collected: 11/18/14 12:15

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 66.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.375 g	5.0 mL	208043	11/21/14 10:26	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.375 g	5.0 mL	208476	11/23/14 09:28	SLM	TAL NSH
Total/NA	Prep	5035			6.634 g	5.0 mL	208043	11/21/14 10:26	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.634 g	5.0 mL	208878	11/25/14 12:13	JMG	TAL NSH
Total/NA	Prep	3550C			45.91 g	1.00 mL	209735	11/28/14 10:57	LDC	TAL NSH
Total/NA	Analysis	8270D		1	45.91 g	1.00 mL	210194	11/30/14 19:54	SNR	TAL NSH
Total/NA	Prep	3550C			30.88 g	10.00 mL	208165	11/21/14 14:16	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	30.88 g	10.00 mL	210987	12/03/14 15:46	HMT	TAL NSH
Total/NA	Prep	3550C			30.35 g	10.00 mL	208100	11/21/14 14:01	LOJ	TAL NSH
Total/NA	Analysis	8082A		1	30.35 g	10.00 mL	209414	11/26/14 17:02	MGH	TAL NSH
Total/NA	Prep	3051A			0.515 g	100 mL	214616	12/17/14 09:16	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.515 g	100 mL	214961	12/17/14 20:51	ADN	TAL NSH
Total/NA	Prep	7471B			0.621 g	100 mL	211919	12/06/14 10:38	AAS	TAL NSH
Total/NA	Analysis	7471B		1	0.621 g	100 mL	214682	12/16/14 17:49	AAS	TAL NSH
Total/NA	Analysis	Moisture		1			208001	11/21/14 09:39	RRS	TAL NSH

**Client Sample ID: TRACT 4 TW-1 (8-12)**

**Lab Sample ID: 490-66802-2**

Date Collected: 11/18/14 14:45

Matrix: Ground Water

Date Received: 11/20/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	210169	11/30/14 23:19	NC	TAL NSH
Total/NA	Prep	3510C			735 mL	1 mL	207941	11/21/14 07:08	CLM	TAL NSH
Total/NA	Analysis	8270D		1	735 mL	1 mL	207993	11/21/14 23:08	WDS	TAL NSH
Total/NA	Prep	3510C			1040 mL	5 mL	207937	11/21/14 05:58	ET	TAL NSH
Total/NA	Analysis	8081B		1	1040 mL	5 mL	212364	12/08/14 21:17	HMT	TAL NSH
Total/NA	Prep	3510C			1040 mL	5 mL	212724	12/10/14 07:22	ET	TAL NSH
Total/NA	Analysis	8081B		1	1040 mL	5 mL	213072	12/11/14 16:27	HMT	TAL NSH
Total/NA	Prep	3510C			1040 mL	5 mL	207937	11/21/14 05:58	ET	TAL NSH
Total/NA	Analysis	8082A		1	1040 mL	5 mL	209414	11/27/14 00:00	MGH	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	209492	11/26/14 14:51	NJB	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	209490	11/26/14 14:51	NJB	TAL NSH
Dissolved	Analysis	6010C		10	50 mL	50 mL	221796	01/20/15 20:24	TTP	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	209492	11/26/14 14:51	NJB	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	209490	11/26/14 14:51	NJB	TAL NSH
Dissolved	Analysis	6010C		10	50 mL	50 mL	221270	01/18/15 16:52	ADN	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	209492	11/26/14 14:51	NJB	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	209490	11/26/14 14:51	NJB	TAL NSH
Dissolved	Analysis	6010C		1	50 mL	50 mL	220190	01/14/15 03:49	ADN	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	209492	11/26/14 14:51	NJB	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	209490	11/26/14 14:51	NJB	TAL NSH
Dissolved	Analysis	6010C		10	50 mL	50 mL	222021	01/21/15 15:25	TTP	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	211509	12/05/14 07:16	AJD	TAL NSH
Total/NA	Analysis	6010C		1	50 mL	50 mL	214677	12/16/14 17:51	HJM	TAL NSH

TestAmerica Nashville

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Client Sample ID: TRACT 4 TW-1 (8-12)

## Lab Sample ID: 490-66802-2

Date Collected: 11/18/14 14:45

Matrix: Ground Water

Date Received: 11/20/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			30 mL	30 mL	212392	12/09/14 08:16	AAS	TAL NSH
Dissolved	Filtration	Filtration			30 mL	30 mL	212391	12/09/14 08:16	AAS	TAL NSH
Dissolved	Analysis	7470A		1	30 mL	30 mL	213125	12/10/14 17:02	AAS	TAL NSH
Total/NA	Prep	7470A			30 mL	30 mL	211306	12/04/14 11:54	AAS	TAL NSH
Total/NA	Analysis	7470A		1	30 mL	30 mL	212099	12/06/14 14:13	AAS	TAL NSH

## Client Sample ID: TRACT 4B SB-1 (1-3)

## Lab Sample ID: 490-66802-3

Date Collected: 11/19/14 09:15

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.341 g	5.0 mL	208043	11/21/14 10:26	JLP	TAL NSH
Total/NA	Analysis	8260B		1	7.341 g	5.0 mL	208476	11/23/14 09:57	SLM	TAL NSH
Total/NA	Prep	5035			6.753 g	5.0 mL	208043	11/21/14 10:26	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.753 g	5.0 mL	208878	11/25/14 12:40	JMG	TAL NSH
Total/NA	Prep	3550C			38.81 g	1.00 mL	209735	11/28/14 10:57	LDC	TAL NSH
Total/NA	Analysis	8270D		1	38.81 g	1.00 mL	210194	11/30/14 20:17	SNR	TAL NSH
Total/NA	Prep	3550C			30.30 g	10.00 mL	208165	11/21/14 14:16	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	30.30 g	10.00 mL	210987	12/03/14 15:59	HMT	TAL NSH
Total/NA	Prep	3550C			30.43 g	10.00 mL	208100	11/21/14 14:01	LOJ	TAL NSH
Total/NA	Analysis	8082A		1	30.43 g	10.00 mL	209414	11/26/14 17:25	MGH	TAL NSH
Total/NA	Prep	3051A			0.499 g	100 mL	214616	12/17/14 09:16	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.499 g	100 mL	214961	12/17/14 21:21	ADN	TAL NSH
Total/NA	Prep	7471B			0.622 g	100 mL	211919	12/06/14 10:38	AAS	TAL NSH
Total/NA	Analysis	7471B		1	0.622 g	100 mL	214682	12/16/14 17:56	AAS	TAL NSH
Total/NA	Analysis	Moisture		1			208001	11/21/14 09:39	RRS	TAL NSH

## Client Sample ID: TRACT 4B SB-1 (18-22)

## Lab Sample ID: 490-66802-4

Date Collected: 11/19/14 11:30

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 51.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.618 g	5.0 mL	208043	11/21/14 10:26	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.618 g	5.0 mL	208476	11/23/14 10:24	SLM	TAL NSH
Total/NA	Prep	5035			4.838 g	5.0 mL	208043	11/21/14 10:26	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.838 g	5.0 mL	208878	11/25/14 13:34	JMG	TAL NSH
Total/NA	Prep	3550C			58.97 g	1.00 mL	209735	11/28/14 10:57	LDC	TAL NSH
Total/NA	Analysis	8270D		1	58.97 g	1.00 mL	210194	11/30/14 20:40	SNR	TAL NSH
Total/NA	Prep	3550C			30.55 g	10.00 mL	208165	11/21/14 14:16	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	30.55 g	10.00 mL	210987	12/03/14 16:11	HMT	TAL NSH
Total/NA	Prep	3550C			30.49 g	10.00 mL	208100	11/21/14 14:01	LOJ	TAL NSH
Total/NA	Analysis	8082A		1	30.49 g	10.00 mL	209414	11/26/14 17:48	MGH	TAL NSH
Total/NA	Prep	3051A			0.515 g	100 mL	214616	12/17/14 09:16	NJB	TAL NSH

TestAmerica Nashville

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Client Sample ID: TRACT 4B SB-1 (18-22)

Lab Sample ID: 490-66802-4

Date Collected: 11/19/14 11:30

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 51.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	0.515 g	100 mL	214961	12/17/14 21:26	ADN	TAL NSH
Total/NA	Prep	7471B			0.595 g	100 mL	211919	12/06/14 10:38	AAS	TAL NSH
Total/NA	Analysis	7471B		1	0.595 g	100 mL	214682	12/16/14 18:07	AAS	TAL NSH
Total/NA	Analysis	Moisture		1			208001	11/21/14 09:39	RRS	TAL NSH

## Client Sample ID: TRACT 4B TW-1 (6-10)

Lab Sample ID: 490-66802-5

Date Collected: 11/19/14 10:00

Matrix: Ground Water

Date Received: 11/20/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	210169	11/30/14 23:51	NC	TAL NSH
Total/NA	Prep	3510C			920 mL	1 mL	207941	11/21/14 07:08	CLM	TAL NSH
Total/NA	Analysis	8270D		1	920 mL	1 mL	207993	11/21/14 23:31	WDS	TAL NSH
Total/NA	Prep	3510C			1040 mL	5 mL	212724	12/10/14 07:22	ET	TAL NSH
Total/NA	Analysis	8081B		10	1040 mL	5 mL	213072	12/11/14 16:39	HMT	TAL NSH
Total/NA	Prep	3510C			1000 mL	5 mL	207937	11/21/14 05:58	ET	TAL NSH
Total/NA	Analysis	8081B		10	1000 mL	5 mL	213072	12/11/14 16:52	HMT	TAL NSH
Total/NA	Prep	3510C			1000 mL	5 mL	207937	11/21/14 05:58	ET	TAL NSH
Total/NA	Analysis	8082A		1	1000 mL	5 mL	209414	11/27/14 00:24	MGH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	211509	12/05/14 07:16	AJD	TAL NSH
Total/NA	Analysis	6010C		1	50 mL	50 mL	214677	12/16/14 17:56	HJM	TAL NSH
Total/NA	Prep	7470A			30 mL	30 mL	211306	12/04/14 11:54	AAS	TAL NSH
Total/NA	Analysis	7470A		1	30 mL	30 mL	212099	12/06/14 14:16	AAS	TAL NSH

## Client Sample ID: TRACT 4C SB-1 (0-2)

Lab Sample ID: 490-66802-6

Date Collected: 11/19/14 14:45

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.134 g	5.0 mL	208043	11/21/14 10:26	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.134 g	5.0 mL	208476	11/23/14 10:52	SLM	TAL NSH
Total/NA	Prep	5035			5.283 g	5.0 mL	208043	11/21/14 10:26	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.283 g	5.0 mL	208878	11/25/14 14:02	JMG	TAL NSH
Total/NA	Prep	5035			5.32 g	5.0 mL	211581	12/05/14 14:47	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.32 g	5.0 mL	211566	12/05/14 16:57	JMG	TAL NSH
Total/NA	Prep	3550C			35.46 g	1.00 mL	209735	11/28/14 10:57	LDC	TAL NSH
Total/NA	Analysis	8270D		1	35.46 g	1.00 mL	210194	11/30/14 21:03	SNR	TAL NSH
Total/NA	Prep	3550C			30.25 g	10.00 mL	208165	11/21/14 14:16	LOJ	TAL NSH
Total/NA	Analysis	8081B		1	30.25 g	10.00 mL	210987	12/03/14 16:23	HMT	TAL NSH
Total/NA	Prep	3550C			30.56 g	10.00 mL	208100	11/21/14 14:01	LOJ	TAL NSH
Total/NA	Analysis	8082A		1	30.56 g	10.00 mL	209414	11/26/14 18:12	MGH	TAL NSH
Total/NA	Prep	3051A			0.505 g	100 mL	214616	12/17/14 09:16	NJB	TAL NSH
Total/NA	Analysis	6010C		1	0.505 g	100 mL	214961	12/17/14 21:30	ADN	TAL NSH

TestAmerica Nashville

# Lab Chronicle

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

## Client Sample ID: TRACT 4C SB-1 (0-2)

Lab Sample ID: 490-66802-6

Date Collected: 11/19/14 14:45

Matrix: Soil

Date Received: 11/20/14 09:00

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.606 g	100 mL	211919	12/06/14 10:38	AAS	TAL NSH
Total/NA	Analysis	7471B		1	0.606 g	100 mL	214682	12/16/14 18:09	AAS	TAL NSH
Total/NA	Analysis	Moisture		1			208001	11/21/14 09:39	RRS	TAL NSH

## Client Sample ID: Trip Blank

Lab Sample ID: 490-66802-7

Date Collected: 11/19/14 01:01

Matrix: Water

Date Received: 11/20/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	210169	11/30/14 21:14	NC	TAL NSH

## Client Sample ID: Trip Blank

Lab Sample ID: 490-66802-8

Date Collected: 11/19/14 01:01

Matrix: Water

Date Received: 11/20/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	210169	11/30/14 21:45	NC	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177



# Method Summary

Client: S&ME, Inc.  
Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
SDG: 1131-08-554

Method	Method Description	Protocol	Laboratory
8260B	TCL VOA	SW846	TAL NSH
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
8081B	Organochlorine Pesticides (GC)	SW846	TAL NSH
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NSH
6010C	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

# Certification Summary

Client: S&ME, Inc.  
 Project/Site: Port Access Road

TestAmerica Job ID: 490-66802-1  
 SDG: 1131-08-554

## Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-15

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8081B	3510C	Ground Water	Chlordane (technical)
8081B	3550C	Soil	Chlordane (technical)
8260B		Ground Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Ground Water	Cyclohexane
8260B		Ground Water	Methyl acetate
8260B		Ground Water	Methylcyclohexane
8260B		Water	1,1,2-Trichloro-1,2,2-trichloroethane
8260B		Water	Cyclohexane
8260B		Water	Methyl acetate
8260B		Water	Methylcyclohexane
8260B	5035	Soil	1,1,2-Trichloro-1,2,2-trichloroethane
8260B	5035	Soil	Cyclohexane
8260B	5035	Soil	Methyl acetate
8260B	5035	Soil	Methylcyclohexane
8270D	3510C	Ground Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Ground Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Ground Water	3,3'-Dichlorobenzidine
8270D	3510C	Ground Water	Acetophenone
8270D	3510C	Ground Water	Atrazine
8270D	3510C	Ground Water	Benzaldehyde
8270D	3510C	Ground Water	Biphenyl
8270D	3510C	Ground Water	Caprolactam
8270D	3510C	Ground Water	Carbazole
8270D	3550C	Soil	1,2,4,5-Tetrachlorobenzene
8270D	3550C	Soil	2,3,4,6-Tetrachlorophenol
8270D	3550C	Soil	3,3'-Dichlorobenzidine
8270D	3550C	Soil	Acetophenone
8270D	3550C	Soil	Atrazine
8270D	3550C	Soil	Benzaldehyde
8270D	3550C	Soil	Biphenyl
8270D	3550C	Soil	Caprolactam
8270D	3550C	Soil	Carbazole

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3510C	Ground Water	3 & 4 Methylphenol
8270D	3550C	Soil	3 & 4 Methylphenol
Moisture		Soil	Percent Solids



### COOLER RECEIPT I



490-66802 Chain of Custody

Cooler Received/Opened On: 11/20/2014 @0900

1. Tracking # 0044 (last 4 digits, FedEx)

Courier: Fed-Ex IR Gun ID: 14740456

2. Temperature of rep. sample or temp blank when opened: 3.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO... NA

4. Were custody seals on outside of cooler?  YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly?  YES...NO...NA

6. Were custody papers inside cooler?  YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) Ⓟ

7. Were custody seals on containers: YES  NO and Intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process:  Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)?  YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?  YES...NO...NA

12. Did all container labels and tags agree with custody papers?  YES...NO...NA

13a. Were VOA vials received?  YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO... NA

14. Was there a Trip Blank in this cooler? YES... NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On-pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used  YES...NO...NA

16. Was residual chlorine present? YES...NO... NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)?  YES...NO...NA

18. Did you sign the custody papers in the appropriate place?  YES...NO...NA

19. Were correct containers used for the analysis requested?  YES...NO...NA

20. Was sufficient amount of sample sent in each container?  YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

21. Were there Non-Conformance issues at login? YES... NO... Was a NCM generated? YES... NO...# \_\_\_\_\_

**COOLER RECEIPT FORM**

**Charleston**

Loc: 490  
**66802**

Cooler Received/Opened On 11/20/2014@ 0900

1. Tracking # 9474 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 3.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? DA 11-20-14 (YES)..NO...NA

If yes, how many and where: One Two front

5. Were the seals intact, signed, and dated correctly? (YES)..NO...NA

6. Were custody papers inside cooler? (YES)..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES (NO) and Intact YES...NO (NA)

Were these signed and dated correctly? YES...NO (NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)..NO...NA

12. Did all container labels and tags agree with custody papers? (YES)..NO...NA

13a. Were VOA vials received? (YES)..NO...NA

b. Was there any observable headspace present in any VOA vial? YES (NO)..NA

14. Was there a Trip Blank in this cooler? (YES)..NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO (NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)..NO...NA

16. Was residual chlorine present? YES...(NO)..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)? (YES)..NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)..NO...NA

19. Were correct containers used for the analysis requested? (YES)..NO...NA

20. Was sufficient amount of sample sent in each container? (YES)..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

21. Were there Non-Conformance issues at login? YES (NO) Was a NCM generated? YES (NO)..#

**COOLER RECEIPT FORM**

**Charleston**

Loc: 490  
**66802**  
**#1**  
**A**

Cooler Received/Opened On 11/20/2014@ 0900

1. Tracking # 9670 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 2.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO ..NA

4. Were custody seals on outside of cooler? YES..NO..NA

If yes, how many and where: Two front

5. Were the seals intact, signed, and dated correctly? YES..NO..NA

6. Were custody papers inside cooler? YES..NO..NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES NO and Intact YES..NO..NA

Were these signed and dated correctly? YES..NO..NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO..NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO..NA

12. Did all container labels and tags agree with custody papers? YES..NO..NA

13a. Were VOA vials received? YES..NO..NA

b. Was there any observable headspace present in any VOA vial? YES..NO..NA

14. Was there a Trip Blank in this cooler? YES..NO..NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO..NA

16. Was residual chlorine present? YES..NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO..NA

18. Did you sign the custody papers in the appropriate place? YES..NO..NA

19. Were correct containers used for the analysis requested? YES..NO..NA

20. Was sufficient amount of sample sent in each container? YES..NO..NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

21. Were there Non-Conformance issues at login? YES..NO..NA Was a NCM generated? YES..NO..NA



## Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 490-66802-1

SDG Number: 1131-08-554

**Login Number: 66802**

**List Number: 1**

**Creator: McBride, Mike**

**List Source: TestAmerica Nashville**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1/2.2/3.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



Analytical Data Package Prepared For

**S&ME**

Radiochemical Analysis By

**TestAmerica Inc**

*2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.*

Assigned Laboratory Code:

*Data Package Contains 14 Pages*

Report No.: 63932

Results in this report relate only to the sample(s) analyzed.

SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
49056		TRACT 4D SB-1(0-2)	J4K260402-1	M5L1V1AA	9M5L1V10	4335060
		TRACT 4D SB-1(6-10)	J4K260402-2	M5L1X1AA	9M5L1X10	4335060



## Certificate of Analysis

December 18, 2014

S&ME Inc.  
620 Wando Park Road  
Mt. Pleasant, SC. 29464

Attention: Mary Beth Cline

---

Date Received at Lab	:	November 24, 2014
Project Name/Number	:	PORT ACCESS ROAD/1131-08-554
P.O. Number	:	38809
Sample Type	:	Two (2) Solids
SDG Number	:	49056

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### CASE NARRATIVE

#### **I. Introduction**

On November 24, 2014, two solid samples were received at TestAmerica's Richland laboratory for radiochemical analysis. Upon receipt, the samples were assigned the TestAmerica identification numbers as described on the cover page of the Analytical Data Package report form. The samples were assigned to Lot Numbers J4K260402.

#### **II. Sample Receipt**

The sample was received in good condition and no anomalies were noted during check-in.

#### **III. Analytical Results/Methodology**

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information; analytical results and the appropriate associated statistical uncertainties.

The analysis requested was:

**Gamma Spectrometry**  
Gamma by Method RL-GAM-001

#### **IV. Quality Control**

The analytical result for each analysis performed includes a minimum of one laboratory control sample (LCS), and one reagent blank sample analysis. Any exceptions have been noted in the "Comments" section.

#### **V. Comments**

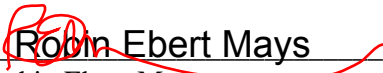
##### **Gamma Spectrometry**

##### Gamma Analysis:

The LCS, batch blank and sample results are within acceptance limits.

I certify that this Certificate of Analysis is in compliance with the SOW and/or NELAC, both technically and for completeness, for other than the conditions detailed above. The Laboratory Manager or a designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Reviewed and approved:

  
\_\_\_\_\_  
Robin Ebert-Mays  
Project Manager

## Drinking Water Method Cross References

DRINKING WATER ASTM METHOD CROSS REFERENCES		
Referenced Method	Isotope(s)	TestAmerica Richland's SOP No.
EPA 901.1	Cs-134, I-131	RL-GAM-001
EPA 900.0	Alpha & Beta	RL-GPC-001
EPA 00-02	Gross Alpha (Coprecipitation)	RL-GPC-002
EPA 903.0	Total Alpha Radium (Ra-226)	RL-RA-002
EPA 903.1	Ra-226	RL-RA-001
EPA 904.0	Ra-228	RL-RA-001
EPA 905.0	Sr-89/90	RL-GPC-003
ASTM D5174	Uranium	RL-KPA-003
EPA 906.0	Tritium	RL-LSC-005

**Results in this report relate only to the sample(s) analyzed.**

### Uncertainty Estimation

TestAmerica Richland has adopted the internationally accepted approach to estimating uncertainties described in "NIST Technical Note 1297, 1994 Edition". The approach, "Law of Propagation of Errors", involves the identification of all variables in an analytical method which are used to derive a result. These variables are related to the analytical result (R) by some functional relationship,  $R = \text{constants} * f(x,y,z,\dots)$ . The components (x,y,z) are evaluated to determine their contribution to the overall method uncertainty. The individual component uncertainties ( $u_i$ ) are then combined using a statistical model that provides the most probable overall uncertainty value. All component uncertainties are categorized as type A, evaluated by statistical methods, or type B, evaluated by other means. Uncertainties not included in the components, such as sample homogeneity, are combined with the component uncertainty as the square root of the sum-of-the-squares of the individual uncertainties. The uncertainty associated with the derived result is the combined uncertainty ( $u_c$ ) multiplied by the coverage factor (1,2, or 3).

When three or more sample replicates are used to derive the analytical result, the type A uncertainty is the standard deviation of the mean value ( $S/\sqrt{n}$ ), where S is the standard deviation of the derived results. The type B uncertainties are all other random or non-random components that are not included in the standard deviation.

The derivation of the general "Law of Propagation of Errors" equations and specific example are available on request.

## Report Definitions

<b>Action Lev</b>	An agreed upon activity level used to trigger some action when the final result is greater than or equal to the Action Level. Often the Action Level is related to the Decision Limit.
<b>Batch</b>	The QC preparation batch number that relates laboratory samples to QC samples that were prepared and analyzed together.
<b>Bias</b>	Defined by the equation (Result/Expected)-1 as defined by ANSI N13.30.
<b>COC No</b>	Chain of Custody Number assigned by the Client or TestAmerica.
<b>Count Error (#s)</b>	Poisson counting statistics of the gross sample count and background. The uncertainty is absolute and in the same units as the result. For Liquid Scintillation Counting (LSC) the batch blank count is the background.
<b>Total Uncert (#s) <i>u<sub>c</sub> - Combined Uncertainty.</i></b>	All known uncertainties associated with the preparation and analysis of the sample are propagated to give a measure of the uncertainty associated with the result, <i>u<sub>c</sub> the combined uncertainty</i> . The uncertainty is absolute and in the same units as the result.
<b>(#s), Coverage Factor</b>	The coverage factor defines the width of the confidence interval, 1, 2 or 3 standard deviations.
<b>CRDL (RL)</b>	Contractual Required Detection Limit as defined in the Client's Statement Of Work or TestAmerica "default" nominal detection limit. Often referred to the reporting level (RL)
<b>Lc</b>	Decision Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume associated with the sample. The Type I error probability is approximately 5%. $Lc = (1.645 * \sqrt{2 * (BkgrndCnt / BkgrndCntMin) / SCntMin}) * (ConvFct / (Eff * Yld * Abn * Vol) * IngrFct)$ . For LSC methods the batch blank is used as a measure of the background variability. Lc cannot be calculated when the background count is zero.
<b>Lot-Sample No</b>	The number assigned by the LIMS software to track samples received on the same day for a given client. The sample number is a sequential number assigned to each sample in the Lot.
<b>MDC MDA</b>	Detection Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume with a Type I and II error probability of approximately 5%. $MDC = (4.65 * \sqrt{((BkgrndCnt / BkgrndCntMin) / SCntMin) + 2.71 / SCntMin}) * (ConvFct / (Eff * Yld * Abn * Vol) * IngrFct)$ . For LSC methods the batch blank is used as a measure of the background variability.
<b>Primary Detector</b>	The instrument identifier associated with the analysis of the sample aliquot.
<b>Ratio U-234/U-238</b>	The U-234 result divided by the U-238 result. The U-234/U-238 ratio for natural uranium in NIST SRM 4321C is 1.038.
<b>Rst/MDC</b>	Ratio of the Result to the MDC. A value greater than 1 may indicate activity above background at a high level of confidence. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
<b>Rst/TotUcert</b>	Ratio of the Result to the Total Uncertainty. If the uncertainty has a coverage factor of 2 a value greater than 1 may indicate activity above background at approximately the 95% level of confidence assuming a two-sided confidence interval. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
<b>Report DB No</b>	Sample Identifier used by the report system. The number is based upon the first five digits of the <b>Work Order</b> Number.
<b>RER</b>	The equation Replicate Error Ratio = $(S-D) / [\sqrt{TPUs^2 + TPUd^2}]$ as defined by ICPT BOA where S is the original sample result, D is the result of the duplicate, TPUs is the total uncertainty of the original sample and TPUd is the total uncertainty of the duplicate sample.
<b>SDG</b>	Sample Delivery Group Number assigned by the Client or assigned by TestAmerica upon sample receipt.
<b>Sum Rpt Alpha Spec Rst(s)</b>	The sum of the reported alpha spec results for tests derived from the same sample excluding duplicate result where the results are in the same units.
<b>Work Order</b>	The LIMS software assign test specific identifier.
<b>Yield</b>	The recovery of the tracer added to the sample such as Pu-242 used to trace a Pu-239/40 method.

# Sample Results Summary

Date: 18-Dec-14

## TestAmerica Inc

Ordered by Method, Batch No., Client Sample ID.

Report No. : 63932

SDG No: 49056

Batch	Client Id Work Order	Parameter	Result +- Uncertainty ( 2s)	Qual	Units	Tracer Yield	MDL	CRDL	RER2
4335060	RL-GAM-001								
	<b>TRACT 4D SB-1(0-2)</b>								
	M5L1V1AA	RA-226	8.56E+00 +- 1.0E+00		pCi/g		7.82E-02	1.00E+00	
	<b>TRACT 4D SB-1(0-2) DUP</b>								
	M5L1V1AC	RA-226	8.69E+00 +- 1.1E+00		pCi/g		7.06E-02	1.00E+00	0.2
	<b>TRACT 4D SB-1(6-10)</b>								
	M5L1X1AA	RA-226	8.74E-01 +- 1.2E-01	J	pCi/g		4.04E-02	1.00E+00	
	No. of Results: 3								

**QC Results Summary**

**Date:** 18-Dec-14

**TestAmerica Inc**

Ordered by Method, Batch No, QC Type,.

**Report No. :** 63932

**SDG No.:** 49056

Batch	Work Order	Parameter	Result +- Uncertainty ( 2s)	Qual	Units	Tracer Yield	LCS Recovery	Bias	MDL
<b>RL-GAM-001</b>									
4335060 BLANK QC,									
	M5MJH1AA	RA-226	8.84E-02 +- 5.3E-02	U	pCi/g				5.90E-02
4335060 LCS,									
	M5MJH1AC	CS-137	9.80E-01 +- 1.3E-01		pCi/g		98%	0.0	2.74E-02
		RA-226	9.54E-01 +- 1.4E-01	J	pCi/g		84%	-0.2	4.43E-02
		RA-228	6.85E-01 +- 1.4E-01		pCi/g		114%	0.1	8.89E-02
<b>No. of Results:</b> 4									

TestAmerica Inc Bias - (Result/Expected)-1 as defined by ANSI N13.30.  
 rptSTLRchQcSummary V5.3.6.1 J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
 A2002 U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

Date: 18-Dec-14

Lab Name: TestAmerica Inc  
 Lot-Sample No.: J4K260402-1  
 Client Sample ID: TRACT 4D SB-1(0-2)

SDG: 49056  
 Report No. : 63932  
 COC No. :

Collection Date: 11/21/2014 10:20:00 AM  
 Received Date: 11/24/2014 9:40:00 AM  
 Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4335060	RL-GAM-001				Work Order: M5L1V1AA		Report DB ID: 9M5L1V10					
RA-226	<b>8.56E+00</b>		1.0E+00	1.0E+00	7.82E-02	pCi/g		(109.4)	12/17/14 06:58 a		366.9	GER16\$1
							1.00E+00	(16.8)			g	

No. of Results: 1      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
 rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
 V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

Date: 18-Dec-14

Lab Name: TestAmerica Inc  
 Lot-Sample No.: J4K260402-2  
 Client Sample ID: TRACT 4D SB-1(6-10)

SDG: 49056  
 Report No. : 63932  
 COC No. :

Collection Date: 11/21/2014 10:35:00 AM  
 Received Date: 11/24/2014 9:40:00 AM  
 Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4335060	RL-GAM-001				Work Order: M5L1X1AA		Report DB ID: 9M5L1X10					
RA-226	<b>8.74E-01</b>	J	1.2E-01	1.2E-01	4.04E-02	pCi/g		(21.6)	12/17/14 06:59 a		325.3	GER18\$1
							1.00E+00	(14.7)			g	

No. of Results: 1      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
 rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
 V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.



FORM II

Date: 18-Dec-14

DUPLICATE RESULTS

Lab Name: TestAmerica Inc      SDG: 49056      Collection Date: 11/21/2014 10:20:00 AM  
 Lot-Sample No.: J4K260402-1      Report No. : 63932      Received Date: 11/24/2014 9:40:00 AM  
 Client Sample ID: TRACT 4D SB-1(0-2) DUP      COC No. :      Matrix: SOLID

Parameter	Result, Orig Rst	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4335060	RL-GAM-001				Work Order: M5L1V1AC	Report DB ID: M5L1V1CR			Orig Sa DB ID: 9M5L1V10			
RA-226	8.69E+00		1.1E+00	1.1E+00	7.06E-02	pCi/g		(123.2)	12/17/14 06:59 a		359.5	GER17\$1
	8.56E+00				RER2 0.2	1.00E+00		(16.)			g	

No. of Results: 1      Comments:

TestAmerica Inc      RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.  
 rptSTLRchDupV5.      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
 3.6.1 A2002

**FORM II**  
**BLANK RESULTS**

Date: 18-Dec-14

Lab Name: TestAmerica Inc

SDG: 49056

Matrix: SOLID

Report No. : 63932

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Lc	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
<b>Batch:</b> 4335060	RL-GAM-001											
RA-226	8.84E-02	U	5.3E-02	5.3E-02	5.90E-02	pCi/g		(1.5)	12/17/14 06:59 a		348.0	GER19\$1
						1.00E+00		(3.4)			g	

No. of Results: 1

Comments:

**FORM II**  
**LCS RESULTS**

Date: 18-Dec-14

Lab Name: TestAmerica Inc

SDG: 49056

Matrix: SOLID

Report No. : 63932

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert(2 s)	MDL	Report Unit	Yield	Expected	Expected Uncert	Recovery, Bias	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 4335060	RL-GAM-001												
						Work Order: M5MJH1AC							
						Report DB ID: M5MJH1CS							
CS-137	9.80E-01		1.3E-01	1.3E-01	2.74E-02	pCi/g		9.96E-01	1.03E-02	98%	12/17/14 07:01 a	350.1	GER15\$1
							Rec Limits:	75	125	0.0		g	
RA-226	9.54E-01		1.4E-01	1.4E-01	4.43E-02	pCi/g		1.14E+00	1.17E-02	84%	12/17/14 07:01 a	350.1	GER15\$1
							Rec Limits:	75	125	-0.2		g	
RA-228	6.85E-01		1.4E-01	1.4E-01	8.89E-02	pCi/g		6.01E-01	6.21E-03	114%	12/17/14 07:01 a	350.1	GER15\$1
							Rec Limits:	75	125	0.1		g	
No. of Results: 3		Comments:											

## Chain of Custody Record

RICHLAND 2860 George Washington Way, Richland, WA 99354 Phone: 509-375-3131 Fax: 509-375-5590

Regulatory program:  DW  NPDES  RCRA  Other

Company Name: S&ME  
 Address: 620 Waudo Park Road  
 City/State/Zip: Mt. Pleasant, SC 29464  
 Phone: 843-884-0005  
 Project Name: PORT ACCESS ROAD  
 Project Number: 1131-08-554  
 PO #: 38809

Client Project Manager: Mary Beth Cline  
 Telephone: 843-884-0005  
 Email: mcline@ameinc.com

Site Contact: \_\_\_\_\_  
 Telephone: \_\_\_\_\_

Analyses: \_\_\_\_\_  
 For Lab use only: \_\_\_\_\_

LOT No: J4K260402  
 Job/SDG No: 49056  
 Due Date: 12-19-14

Sample Identification	Sample Date	Sample Time	Matrix				# of Cont	Other:	Containers & Preservatives	Filtered Sample (Y/N)	RADON 222 EPA 913.0	RADIUM 226 EPA 903.1 / ALPHA SC	GAMMA HASL-300/ GAMMA SPEC	Lab Contact Telephone:	COC No: _____ of _____ COC
			Air	Aqueous	Sediment	Solid									
TRACT 4D SB-1 (0-2)	11.21.14	1020			X	1				X					M5LIV
TRACT 4D SB-1 (6-10)	11.21.14	1035			X	1				X					M5LIV

Possible Hazard Identification:  Non-Hazard  Irritant  Flammable  Corrosive  Toxic  Other

Special Instructions/OC Requirements & Comments: \_\_\_\_\_

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month):  Return to Client  By Lab  Archival For \_\_\_\_\_



Relinquished by: Mary Beth Cline  
 Relinquished by: J. Brant  
 Relinquished by: J. Brant

Company: S&ME, Inc  
 Company: Test America  
 Company: Test America

Date/Time: 11.21.14 1200  
 Date/Time: 11.21.14/1730  
 Date/Time: 11.21.14 090

Received by: J. Brant  
 Received by: J. Brant  
 Received in Laboratory by: J. Brant

FedEx -> Test America  
 Richland

Sample Check-in List

Date/Time Received: 11/24/14 0940 Container GM Screen Result: (Airlock) 20 cpm Initials [ J ]
Sample GM Screen Result (Sample Receiving) 20 cpm Initials [ J ]

Client: Sdme SDG #: 49056 SAF #: NA [ B ]

Lot Number: J4K260402

Chain of Custody # N/A

Shipping Container ID or Air Bill Number : NA [ B ]

Samples received inside shipping container/cooler/box Yes [ J ] Continue with 1 through 4. Initial appropriate response.
No [ ] Go to 5, add comment to #16.

- 1. Custody Seals on shipping container intact? Yes [ J ] No [ ] No Custody Seal [ ]
2. Custody Seals dated and signed? Yes [ J ] No [ ] No Custody Seal [ ]
3. Cooler temperature: °C NA [ J ]
4. Vermiculite/packing materials is NA [ ] Wet [ ] Dry [ J ]

Item 5 through 16 for samples. Initial appropriate response.

- 5. Chain of Custody record present? Yes [ J ] No [ ]
6. Number of samples received (Each sample may contain multiple bottles): 2
7. Containers received: 2 x 1p

- 8. Sample holding times exceeded? NA [ ] Yes [ ] No [ J ]
9. Samples have: tape hazard labels custody seals J appropriate sample labels
10. Matrix: A (FLT, Wipe, Solid, Soil) I (Water) S (Air, Niosh 7400) T (Biological, Ni-63)
11. Samples: J are in good condition are leaking are broken
have air bubbles (Only for samples requiring no head space) Other

12. Sample pH appropriate for analysis requested Yes [ ] No [ ] NA [ J ]
(If acidification is necessary go to pH area & document sample ID, initial pH, amount of HNO3 added and pH after addition on table)

- 13. Were any anomalies identified in sample receipt? Yes [ ] No [ J ]
14. Description of anomalies (include sample numbers): NA [ J ]

15. Sample Location, Sample Collector Listed on COC? \* Yes [ ] No [ J ]
\*For documentation only. No corrective action needed.

16. Additional Information: N/A

[ ] Client/Courier denied temperature check. [ ] Client/Courier unpack cooler.

Sample Check-in List completed by Sample Custodian:

Signature: [ Signature ] Date: 11/24/14

Client Notification needed? Yes [ ] No [ ] Date:
By:
Person contacted:

[ X ] No action necessary; process as is
Project Manager [ Signature ] Date 12/1/14

Analytical Data Package Prepared For

**S&ME**

Radiochemical Analysis By

**TestAmerica Inc**

*2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.*

Assigned Laboratory Code:

*Data Package Contains 46 Pages*

Report No.: 63908

Results in this report relate only to the sample(s) analyzed.

SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
49017		TRACT 4 TW-1(8-12)	J4K190429-1	M5J791AA	9M5J7910	4323055
		TRACT 4 TW-1(8-12)	J4K190429-1	M5J791AC	9M5J7910	4329027
49026		TRACT 4 SB-1(0-4)	J4K200421-1	M5KGM1AA	9M5KGM10	4325046
		TRACT 4 SB-1(4-8)	J4K200421-2	M5KGQ1AA	9M5KGQ10	4325046
		TRACT 4B SB-1(1-3)	J4K200421-3	M5KGV1AA	9M5KGV10	4325046
		TRACT 4B SB-1(8-22)	J4K200421-4	M5KG01AA	9M5KG010	4325046
		TRACT 4B TW-1(6-10)	J4K200421-5	M5KG21AA	9M5KG210	4324034
		TRACT 4B TW-1(6-10)	J4K200421-5	M5KG21AC	9M5KG210	4325047
		TRACT 4C SB-1(0-2)	J4K200421-6	M5KG31AA	9M5KG310	4325046
		TRACT 4C TW-1(3-13)	J4K200421-7	M5KG41AA	9M5KG410	4324034
		TRACT 4C TW-1(3-13)	J4K200421-7	M5KG41AC	9M5KG410	4325047
49037		TRACT 4 SB-2(0-2)	J4K210420-5	M5KXH1AA	9M5KXH10	4329026
		TRACT 4 SB-2(40-44)	J4K210420-6	M5KXJ1AA	9M5KXJ10	4329026
		TRACT 4 TW-2(4-14)	J4K210420-7	M5KXK1AA	9M5KXK10	4325058
		TRACT 4 TW-2(4-14)	J4K210420-7	M5KXK1AC	9M5KXK10	4329027
		TRACT 4A SB-1(0-2)	J4K210420-2	M5KXE1AA	9M5KXE10	4329026
		TRACT 4A SB-1(32-36)	J4K210420-3	M5KXF1AA	9M5KXF10	4329026
		TRACT 4A TW-1(8-12)	J4K210420-4	M5KXG1AA	9M5KXG10	4325058
		TRACT 4A TW-1(8-12)	J4K210420-4	M5KXG1AC	9M5KXG10	4329027
		TRACT 4C SB(42-46)	J4K210420-1	M5KXA1AA	9M5KXA10	4329026

## Certificate of Analysis

December 16, 2014

S&ME Inc.  
620 Wando Park Road  
Mt. Pleasant, SC. 29464

Attention: Mary Beth Cline

---

Date Received at Lab	:	November 19, 20 & 21, 2014
Project Name/Number	:	PORT ACCESS ROAD/1131-08-554
P.O. Number	:	38809
Sample Type	:	Five (5) Water; Ten (10) Soils
SDG Number	:	49017, 49026 & 49037

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### CASE NARRATIVE

#### **I. Introduction**

Between the dates of November 19 and November 21, 2014, five water and ten soil samples were received at TestAmerica's Richland laboratory for radiochemical analysis. Upon receipt, the samples were assigned the TestAmerica identification numbers as described on the cover page of the Analytical Data Package report form. The samples were assigned to Lot Numbers J4K190429, J4K200421 & J4K210420.

#### **II. Sample Receipt**

The sample was received in good condition and no anomalies were noted during check-in.

#### **III. Analytical Results/Methodology**

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information; analytical results and the appropriate associated statistical uncertainties.

The analysis requested was:

**Gamma Spectrometry**

Gamma by Method RL-GAM-001

**Liquid Scintillation**

Radon 222 by method RL-LSC-019

**Alpha Scintillation Counting**

Radium-226 by method RL-RA-001 (EPA 903.1)

#### **IV. Quality Control**

The analytical result for each analysis performed includes a minimum of one laboratory control sample (LCS), and one reagent blank sample analysis. Any exceptions have been noted in the "Comments" section.

#### **V. Comments**

##### **Gamma Spectrometry**

###### Gamma Analysis:

The samples were analyzed in two batches:

###### Batch 4325046:

The LCS, batch blank, sample and sample duplicate results are within acceptance limits.

###### Batch 4329026:

The LCS, batch blank, sample and sample duplicate results are within acceptance limits.

##### **Liquid Scintillation**

###### Radon 222 Analysis:

The samples were analyzed in three batches:

###### Batch 4323055:

Sample TRACT 4 TW-1 and its duplicate do not meet acceptance criteria, this was confirmed by recount in batch 4325075. Suspect sample inhomogeneity as both vials of the sample contain a significant volume of silt. Except as noted, the LCS, batch blank, sample and sample duplicate results are within acceptance limits.

###### Batch 4324034:

The LCS, batch blank, sample and sample duplicate results are within acceptance limits.

###### Batch 4325058:

The LCS recoveries in this batch are low at 70 and 71%; suspect error in the make-up of the LCS vial. Except as noted, the LCS, batch blank, sample and sample duplicate results are within acceptance limits.

##### **Alpha Scintillation Counting**

###### Radium-226 Analysis:

The samples were analyzed in two batches:

###### Batch 4325047:

The samples in batch 4325047 were analyzed as received.

The initial LCS recovery exceeded acceptance criteria. The LCS was recounted with the results meeting acceptance criteria. The tracer yield for sample TRACT 4C TW-1 was significantly lower than normal due to the high volume of sediment in the sample. Except as noted, the LCS, batch blank, sample and sample duplicate results are within acceptance limits.

###### Batch 4329027:

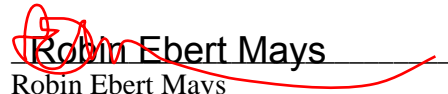
The samples in this batch were filtered prior to analysis to remove insoluble solid material per the client's approval.

The LCS, batch blank, sample duplicate and sample results are within acceptance limits.



I certify that this Certificate of Analysis is in compliance with the SOW and/or NELAC, both technically and for completeness, for other than the conditions detailed above. The Laboratory Manager or a designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Reviewed and approved:

  
Robin Ebert Mays  
Robin Ebert Mays  
Project Manager

## Drinking Water Method Cross References

DRINKING WATER ASTM METHOD CROSS REFERENCES		
Referenced Method	Isotope(s)	TestAmerica Richland's SOP No.
EPA 901.1	Cs-134, I-131	RL-GAM-001
EPA 900.0	Alpha & Beta	RL-GPC-001
EPA 00-02	Gross Alpha (Coprecipitation)	RL-GPC-002
EPA 903.0	Total Alpha Radium (Ra-226)	RL-RA-002
EPA 903.1	Ra-226	RL-RA-001
EPA 904.0	Ra-228	RL-RA-001
EPA 905.0	Sr-89/90	RL-GPC-003
ASTM D5174	Uranium	RL-KPA-003
EPA 906.0	Tritium	RL-LSC-005

**Results in this report relate only to the sample(s) analyzed.**

### Uncertainty Estimation

TestAmerica Richland has adopted the internationally accepted approach to estimating uncertainties described in "NIST Technical Note 1297, 1994 Edition". The approach, "Law of Propagation of Errors", involves the identification of all variables in an analytical method which are used to derive a result. These variables are related to the analytical result (R) by some functional relationship,  $R = \text{constants} * f(x,y,z,\dots)$ . The components (x,y,z) are evaluated to determine their contribution to the overall method uncertainty. The individual component uncertainties ( $u_i$ ) are then combined using a statistical model that provides the most probable overall uncertainty value. All component uncertainties are categorized as type A, evaluated by statistical methods, or type B, evaluated by other means. Uncertainties not included in the components, such as sample homogeneity, are combined with the component uncertainty as the square root of the sum-of-the-squares of the individual uncertainties. The uncertainty associated with the derived result is the combined uncertainty ( $u_c$ ) multiplied by the coverage factor (1,2, or 3).

When three or more sample replicates are used to derive the analytical result, the type A uncertainty is the standard deviation of the mean value ( $S/\sqrt{n}$ ), where S is the standard deviation of the derived results. The type B uncertainties are all other random or non-random components that are not included in the standard deviation.

The derivation of the general "Law of Propagation of Errors" equations and specific example are available on request.

## Report Definitions

<b>Action Lev</b>	An agreed upon activity level used to trigger some action when the final result is greater than or equal to the Action Level. Often the Action Level is related to the Decision Limit.
<b>Batch</b>	The QC preparation batch number that relates laboratory samples to QC samples that were prepared and analyzed together.
<b>Bias</b>	Defined by the equation (Result/Expected)-1 as defined by ANSI N13.30.
<b>COC No</b>	Chain of Custody Number assigned by the Client or TestAmerica.
<b>Count Error (#s)</b>	Poisson counting statistics of the gross sample count and background. The uncertainty is absolute and in the same units as the result. For Liquid Scintillation Counting (LSC) the batch blank count is the background.
<b>Total Uncert (#s) <i>u<sub>c</sub> - Combined Uncertainty.</i></b>	All known uncertainties associated with the preparation and analysis of the sample are propagated to give a measure of the uncertainty associated with the result, <i>u<sub>c</sub> the combined uncertainty.</i> The uncertainty is absolute and in the same units as the result.
<b>(#s), Coverage Factor</b>	The coverage factor defines the width of the confidence interval, 1, 2 or 3 standard deviations.
<b>CRDL (RL)</b>	Contractual Required Detection Limit as defined in the Client's Statement Of Work or TestAmerica "default" nominal detection limit. Often referred to the reporting level (RL)
<b>Lc</b>	Decision Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume associated with the sample. The Type I error probability is approximately 5%. $Lc = (1.645 * \sqrt{2 * (BkgrndCnt / BkgrndCntMin) / SCntMin}) * (ConvFct / (Eff * Yld * Abn * Vol) * IngrFct)$ . For LSC methods the batch blank is used as a measure of the background variability. Lc cannot be calculated when the background count is zero.
<b>Lot-Sample No</b>	The number assigned by the LIMS software to track samples received on the same day for a given client. The sample number is a sequential number assigned to each sample in the Lot.
<b>MDC MDA</b>	Detection Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume with a Type I and II error probability of approximately 5%. $MDC = (4.65 * \sqrt{(BkgrndCnt / BkgrndCntMin) / SCntMin} + 2.71 / SCntMin) * (ConvFct / (Eff * Yld * Abn * Vol) * IngrFct)$ . For LSC methods the batch blank is used as a measure of the background variability.
<b>Primary Detector</b>	The instrument identifier associated with the analysis of the sample aliquot.
<b>Ratio U-234/U-238</b>	The U-234 result divided by the U-238 result. The U-234/U-238 ratio for natural uranium in NIST SRM 4321C is 1.038.
<b>Rst/MDC</b>	Ratio of the Result to the MDC. A value greater than 1 may indicate activity above background at a high level of confidence. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
<b>Rst/TotUcert</b>	Ratio of the Result to the Total Uncertainty. If the uncertainty has a coverage factor of 2 a value greater than 1 may indicate activity above background at approximately the 95% level of confidence assuming a two-sided confidence interval. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
<b>Report DB No</b>	Sample Identifier used by the report system. The number is based upon the first five digits of the <b>Work Order</b> Number.
<b>RER</b>	The equation Replicate Error Ratio = $(S-D) / [\sqrt{TPUs^2 + TPUD^2}]$ as defined by ICPT BOA where S is the original sample result, D is the result of the duplicate, TPUs is the total uncertainty of the original sample and TPUD is the total uncertainty of the duplicate sample.
<b>SDG</b>	Sample Delivery Group Number assigned by the Client or assigned by TestAmerica upon sample receipt.
<b>Sum Rpt Alpha Spec Rst(s)</b>	The sum of the reported alpha spec results for tests derived from the same sample excluding duplicate result where the results are in the same units.
<b>Work Order</b>	The LIMS software assign test specific identifier.
<b>Yield</b>	The recovery of the tracer added to the sample such as Pu-242 used to trace a Pu-239/40 method.

**Sample Results Summary**

Date: 16-Dec-14

**TestAmerica Inc**

Ordered by Method, Batch No., Client Sample ID.

Report No. : 63908

SDG No: 49026

Batch	Client Id Work Order	Parameter	Result +- Uncertainty ( 2s)	Qual	Units	Tracer Yield	MDL	CRDL	RER2
<b>4325046 RL-GAM-001</b>									
<b>TRACT 4 SB-1(0-4)</b>									
	M5KGM1AA	RA-226	1.76E+01 +- 2.0E+00		pCi/g		1.32E-01	1.00E+00	
<b>TRACT 4 SB-1(0-4) DUP</b>									
	M5KGM1AC	RA-226	1.62E+01 +- 1.8E+00		pCi/g		9.74E-02	1.00E+00	1.0
<b>TRACT 4 SB-1(4-8)</b>									
	M5KGQ1AA	RA-226	8.01E+00 +- 9.6E-01		pCi/g		8.57E-02	1.00E+00	
<b>TRACT 4B SB-1(1-3)</b>									
	M5KGV1AA	RA-226	1.25E+00 +- 1.7E-01		pCi/g		4.67E-02	1.00E+00	
<b>TRACT 4B SB-1(8-22)</b>									
	M5KG01AA	RA-226	1.09E+00 +- 1.7E-01		pCi/g		4.97E-02	1.00E+00	
<b>TRACT 4C SB-1(0-2)</b>									
	M5KG31AA	RA-226	8.14E-01 +- 1.1E-01	J	pCi/g		4.02E-02	1.00E+00	
<b>4329026 RL-GAM-001</b>									
<b>TRACT 4 SB-2(0-2)</b>									
	M5KXH1AA	CS-137	1.07E-02 +- 2.9E-02	U	pCi/g		4.88E-02		
		RA-226	7.09E-01 +- 1.5E-01	J	pCi/g		8.45E-02	1.00E+00	
<b>TRACT 4 SB-2(40-44)</b>									
	M5KXJ1AA	CS-137	-1.10E-03 +- 2.5E-02	U	pCi/g		4.32E-02		
		RA-226	5.93E-01 +- 1.4E-01	J	pCi/g		7.15E-02	1.00E+00	
<b>TRACT 4A SB-1(0-2)</b>									
	M5KXE1AA	CS-137	7.56E-03 +- 3.3E-02	U	pCi/g		5.78E-02		
		RA-226	4.25E-01 +- 1.3E-01	J	pCi/g		1.00E-01	1.00E+00	
<b>TRACT 4A SB-1(32-36)</b>									
	M5KXF1AA	CS-137	-5.65E-03 +- 3.8E-02	U	pCi/g		6.32E-02		
		RA-226	6.93E-01 +- 1.9E-01	J	pCi/g		1.10E-01	1.00E+00	
<b>TRACT 4C SB(42-46)</b>									
	M5KXA1AA	CS-137	-4.30E-02 +- 4.4E-02	U	pCi/g		7.07E-02		
		RA-226	5.32E-01 +- 1.9E-01	J	pCi/g		1.28E-01	1.00E+00	
<b>TRACT 4C SB(42-46) DUP</b>									
	M5KXA1AC	CS-137	-3.55E-02 +- 4.2E-02	U	pCi/g		6.84E-02		0.2
		RA-226	6.70E-01 +- 2.0E-01	U	pCi/g		2.87E-01	1.00E+00	1.0
<b>4323055 EITR</b>									
<b>TRACT 4 TW-1(8-12)</b>									
	M5J791AA	Rn-222	1.24E+03 +- 6.9E+01		pCi/L	100%	2.73E+01	5.00E+01	
<b>TRACT 4 TW-1(8-12) DUP</b>									
	M5J791AD	Rn-222	9.44E+02 +- 5.6E+01		pCi/L	100%	2.77E+01	5.00E+01	6.6
<b>4324034 EITR</b>									
<b>TRACT 4B TW-1(6-10)</b>									

TestAmerica Inc RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.  
 rptTALRchSaSum J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
 mary2 V5.3.6.1 U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan  
 A2002 software.

# Sample Results Summary

Date: 16-Dec-14

## TestAmerica Inc

Ordered by Method, Batch No., Client Sample ID.

Report No. : 63908

SDG No: 49026

Batch	Client Id Work Order	Parameter	Result +- Uncertainty ( 2s)	Qual	Units	Tracer Yield	MDL	CRDL	RER2
<b>4324034 EITR</b>									
<b>TRACT 4B TW-1(6-10)</b>									
	M5KG21AA	Rn-222	3.86E+02 +- 3.3E+01		pCi/L	100%	2.60E+01	5.00E+01	
<b>TRACT 4B TW-1(6-10) DUP</b>									
	M5KG21AD	Rn-222	3.52E+02 +- 3.1E+01		pCi/L	100%	2.64E+01	5.00E+01	1.5
<b>TRACT 4C TW-1(3-13)</b>									
	M5KG41AA	Rn-222	6.52E+02 +- 4.8E+01		pCi/L	100%	2.58E+01	5.00E+01	
<b>4325058 EITR</b>									
<b>TRACT 4 TW-2(4-14)</b>									
	M5KXK1AA	Rn-222	1.06E+03 +- 7.0E+01		pCi/L	100%	2.37E+01	5.00E+01	
<b>TRACT 4A TW-1(8-12)</b>									
	M5KXG1AA	Rn-222	1.21E+03 +- 7.8E+01		pCi/L	100%	2.36E+01	5.00E+01	
<b>TRACT 4A TW-1(8-12) DUP</b>									
	M5KXG1AD	Rn-222	1.24E+03 +- 8.0E+01		pCi/L	100%	2.40E+01	5.00E+01	0.6
<b>4325047 RL-RA-001</b>									
<b>TRACT 4B TW-1(6-10)</b>									
	M5KG21AC	Ra-226	6.46E-01 +- 3.0E-01	J	pCi/L	76%	3.62E-01	1.00E+00	
<b>TRACT 4B TW-1(6-10) DUP</b>									
	M5KG21AE	Ra-226	7.03E-01 +- 3.7E-01	J	pCi/L	94%	4.88E-01	1.00E+00	0.2
<b>TRACT 4C TW-1(3-13)</b>									
	M5KG41AC	Ra-226	6.57E+01 +- 1.4E+01		pCi/L	23%	5.86E-01	1.00E+00	
<b>4329027 RL-RA-001</b>									
<b>TRACT 4 TW-1(8-12)</b>									
	M5J791AC	Ra-226	2.82E+00 +- 8.0E-01		pCi/L	100%	1.50E-01	1.00E+00	
<b>TRACT 4 TW-2(4-14)</b>									
	M5KXK1AC	Ra-226	7.58E+00 +- 1.7E+00		pCi/L	82%	1.89E-01	1.00E+00	
<b>TRACT 4A TW-1(8-12)</b>									
	M5KXG1AC	Ra-226	9.10E-01 +- 2.2E-01	J	pCi/L	100%	1.15E-01	1.00E+00	
<b>TRACT 4A TW-1(8-12) DUP</b>									
	M5KXG1AE	Ra-226	1.41E+00 +- 3.9E-01		pCi/L	96%	2.27E-01	1.00E+00	2.2
<b>No. of Results: 33</b>									

TestAmerica Inc rptTALRchSaSummary2 V5.3.6.1 A2002

RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.  
 J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.

QC Results Summary

Date: 16-Dec-14

TestAmerica Inc

Ordered by Method, Batch No, QC Type,.

Report No. : 63908

SDG No.: 49026

Batch	Work Order	Parameter	Result +- Uncertainty ( 2s)	Qual	Units	Tracer Yield	LCS Recovery	Bias	MDL
<b>RL-GAM-001</b>									
4325046 BLANK QC,									
	M5KWQ1AA	RA-226	7.91E-02 +- 3.3E-02	J	pCi/g				2.98E-02
4325046 LCS,									
	M5KWQ1AC	CS-137	1.02E+00 +- 1.4E-01		pCi/g		102%	0.0	3.68E-02
		RA-226	9.35E-01 +- 1.5E-01	J	pCi/g		82%	-0.2	7.07E-02
		RA-228	6.28E-01 +- 1.8E-01		pCi/g		104%	0.0	1.14E-01
		U-238	1.09E+00 +- 1.8E-01		pCi/g		91%	-0.1	7.21E-02
<b>RL-GAM-001</b>									
4329026 BLANK QC,									
	M5LG81AA	CS-137	-1.00E-02 +- 2.3E-02	U	pCi/g				3.95E-02
		RA-226	1.15E-01 +- 8.2E-02	U	pCi/g				1.32E-01
4329026 LCS,									
	M5LG81AC	AMERICIUM 241	3.37E+01 +- 3.8E+00		pCi/g		84%	-0.2	1.39E-01
		CO-60	1.05E+01 +- 1.2E+00		pCi/g		87%	-0.1	8.30E-02
		CS-137	3.68E+01 +- 4.4E+00		pCi/g		91%	-0.1	9.57E-02
<b>EITR</b>									
4323055 BLANK QC,									
	M5J8A1AA	Rn-222	-2.40E-01 +- 9.8E+00	U	pCi/L	100%			2.19E+01
4323055 LCS,									
	M5J8A1AE	Rn-222	5.22E+03 +- 2.5E+02		pCi/L	100%	90%	-0.1	2.31E+01
	M5J8A1AC	Rn-222	5.02E+03 +- 2.4E+02		pCi/L	100%	90%	-0.1	2.22E+01
<b>EITR</b>									
4324034 BLANK QC,									
	M5KG61AA	Rn-222	3.85E+00 +- 1.0E+01	U	pCi/L	100%			2.04E+01
4324034 LCS,									
	M5KG61AC	Rn-222	4.32E+03 +- 2.5E+02		pCi/L	100%	88%	-0.1	2.06E+01
	M5KG61AE	Rn-222	4.45E+03 +- 2.6E+02		pCi/L	100%	86%	-0.1	2.18E+01
<b>EITR</b>									
4325058 BLANK QC,									
	M5KXQ1AA	Rn-222	-1.75E+00 +- 8.9E+00	U	pCi/L	100%			1.91E+01
4325058 LCS,									
	M5KXQ1AE	Rn-222	3.75E+03 +- 2.2E+02		pCi/L	100%	70%	-0.3	2.04E+01
	M5KXQ1AC	Rn-222	3.66E+03 +- 2.1E+02		pCi/L	100%	71%	-0.3	1.93E+01
<b>RL-RA-001</b>									
4325047 BLANK QC,									
	M5KWT1AA	Ra-226	-5.49E-02 +- 1.4E-01	U	pCi/L	91%			3.20E-01
4325047 LCS,									
	M5KWT1AC	Ra-226	2.40E+00 +- 7.0E-01		pCi/L	87%	86%	-0.1	3.61E-01
<b>RL-RA-001</b>									
4329027 BLANK QC,									
	M5LG91AA	Ra-226	5.90E-02 +- 7.8E-02	U	pCi/L	89%			1.43E-01
4329027 LCS,									

TestAmerica Inc Bias - (Result/Expected)-1 as defined by ANSI N13.30.  
 rptSTLRchQcSummary V5.3.6.1 J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
 A2002 U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

# QC Results Summary

Date: 16-Dec-14

## TestAmerica Inc

Ordered by Method, Batch No, QC Type,.

Report No. : 63908

SDG No.: 49017

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Batch	Work Order	Parameter	Result +- Uncertainty ( 2s)	Qual	Units	Tracer Yield	LCS Recovery	Bias	MDL
	M5LG91AC	Ra-226	2.96E+00 +- 6.3E-01		pCi/L	100%	105%	0.1	1.65E-01

No. of Results: 23

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TestAmerica Inc Bias - (Result/Expected)-1 as defined by ANSI N13.30.

rptSTLRchQcSummary V5.3.6.1  
A2002

**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc

SDG: 49026

Collection Date: 11/18/2014 12:05:00 PM

Lot-Sample No.: J4K200421-1

Report No. : 63908

Received Date: 11/20/2014 1:00:00 PM

Client Sample ID: TRACT 4 SB-1(0-4)

COC No. :

Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4325046	RL-GAM-001				Work Order: M5KGM1AA		Report DB ID: 9M5KGM10					
RA-226	<b>1.76E+01</b>		2.0E+00	2.0E+00	1.32E-01	pCi/g		(133.3)	12/10/14 07:42 a		283.2	GER10\$1
							1.00E+00	(17.9)			g	

No. of Results: 1      Comments:



**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc

SDG: 49026

Collection Date: 11/18/2014 12:15:00 PM

Lot-Sample No.: J4K200421-2

Report No. : 63908

Received Date: 11/20/2014 1:00:00 PM

Client Sample ID: TRACT 4 SB-1(4-8)

COC No. :

Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4325046	RL-GAM-001				Work Order: M5KGQ1AA		Report DB ID: 9M5KGQ10					
RA-226	<b>8.01E+00</b>		9.6E-01	9.6E-01	8.57E-02	pCi/g		(93.4)	12/10/14 07:44 a		298.5	GER15\$1
							1.00E+00	(16.7)			g	

No. of Results: 1      Comments:

**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc

SDG: 49037

Collection Date: 11/20/2014 2:15:00 PM

Lot-Sample No.: J4K210420-5

Report No. : 63908

Received Date: 11/21/2014 10:50:00 AM

Client Sample ID: TRACT 4 SB-2(0-2)

COC No. :

Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4329026	RL-GAM-001				Work Order: M5KXH1AA		Report DB ID: 9M5KXH10					
CS-137	1.07E-02	U	2.9E-02	2.9E-02	4.88E-02	pCi/g		0.22	12/12/14 06:58 a		82.9	GER11\$1
								0.75			g	
RA-226	7.09E-01	J	1.5E-01	1.5E-01	8.45E-02	pCi/g		(8.4)	12/12/14 06:58 a		82.9	GER11\$1
							1.00E+00	(9.3)			g	

No. of Results: 2      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
 rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
 V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc  
 Lot-Sample No.: J4K210420-6  
 Client Sample ID: TRACT 4 SB-2(40-44)

SDG: 49037  
 Report No. : 63908  
 COC No. :

Collection Date: 11/20/2014 3:40:00 PM  
 Received Date: 11/21/2014 10:50:00 AM  
 Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4329026	RL-GAM-001				Work Order: M5KXJ1AA		Report DB ID: 9M5KXJ10					
CS-137	-1.10E-03	U	2.5E-02	2.5E-02	4.32E-02	pCi/g		-0.03 -0.09	12/12/14 06:59 a		66.8 g	GER16\$1
RA-226	5.93E-01	J	1.4E-01	1.4E-01	7.15E-02	pCi/g		(8.3) 1.00E+00 (8.8)	12/12/14 06:59 a		66.8 g	GER16\$1

No. of Results: 2      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
 rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
 V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc  
Lot-Sample No.: J4K190429-1  
Client Sample ID: TRACT 4 TW-1(8-12)

SDG: 49017  
Report No. : 63908  
COC No. :

Collection Date: 11/18/2014 2:00:00 PM  
Received Date: 11/19/2014 12:05:00 PM  
Matrix: WATER

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4323055	EITR				Work Order: M5J791AA		Report DB ID: 9M5J7910					
Rn-222	1.24E+03		3.7E+01	6.9E+01	2.73E+01	pCi/L	100%	(45.2)	11/20/14 08:25 p		0.01	LSC8
							1.30E+01	5.00E+01			L	
Batch: 4329027	RL-RA-001				Work Order: M5J791AC		Report DB ID: 9M5J7910					
Ra-226	2.82E+00		2.2E-01	8.0E-01	1.50E-01	pCi/L	100%	(18.8)	12/15/14 09:31 p		0.5017	ASCFAC
							7.01E-02	1.00E+00			L	

No. of Results: 2      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc  
Lot-Sample No.: J4K210420-7  
Client Sample ID: TRACT 4 TW-2(4-14)

SDG: 49037  
Report No. : 63908  
COC No. :

Collection Date: 11/20/2014 3:15:00 PM  
Received Date: 11/21/2014 10:50:00 AM  
Matrix: WATER

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4325058	EITR				Work Order: M5KXXK1AA			Report DB ID: 9M5KXXK10				
Rn-222	1.06E+03		3.2E+01	7.0E+01	2.37E+01	pCi/L	100%	(44.6)	11/22/14 10:29 a		0.01	LSC9
							1.13E+01	5.00E+01			L	
Batch: 4329027	RL-RA-001				Work Order: M5KXXK1AC			Report DB ID: 9M5KXXK10				
Ra-226	7.58E+00		4.2E-01	1.7E+00	1.89E-01	pCi/L	82%	(40.1)	12/15/14 09:33 p		0.5068	ASCJMC
							8.69E-02	1.00E+00			L	

No. of Results: 2      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc  
Lot-Sample No.: J4K210420-2  
Client Sample ID: TRACT 4A SB-1(0-2)

SDG: 49037  
Report No. : 63908  
COC No. :

Collection Date: 11/20/2014 9:45:00 AM  
Received Date: 11/21/2014 10:50:00 AM  
Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4329026	RL-GAM-001				Work Order: M5KXE1AA		Report DB ID: 9M5KXE10					
CS-137	7.56E-03	U	3.3E-02	3.3E-02	5.78E-02	pCi/g		0.13	12/11/14 11:40 p		74.6	GER10\$1
								0.46			g	
RA-226	4.25E-01	J	1.3E-01	1.3E-01	1.00E-01	pCi/g		(4.3)	12/11/14 11:40 p		74.6	GER10\$1
							1.00E+00	(6.6)			g	

No. of Results: 2      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

**Lab Name:** TestAmerica Inc  
**Lot-Sample No.:** J4K210420-3  
**Client Sample ID:** TRACT 4A SB-1(32-36)

**SDG:** 49037  
**Report No. :** 63908  
**COC No. :**

**Collection Date:** 11/20/2014 12:00:00 PM  
**Received Date:** 11/21/2014 10:50:00 AM  
**Matrix:** SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4329026	RL-GAM-001				Work Order: M5KXF1AA		Report DB ID: 9M5KXF10					
CS-137	-5.65E-03	U	3.8E-02	3.8E-02	6.32E-02	pCi/g		-0.09 -0.3	12/11/14 11:42 p		58.8 g	GER11\$1
RA-226	6.93E-01	J	1.9E-01	1.9E-01	1.10E-01	pCi/g		(6.3) (7.3) 1.00E+00	12/11/14 11:42 p		58.8 g	GER11\$1

No. of Results: 2      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

**Lab Name:** TestAmerica Inc  
**Lot-Sample No.:** J4K210420-4  
**Client Sample ID:** TRACT 4A TW-1(8-12)

**SDG:** 49037  
**Report No. :** 63908  
**COC No. :**

**Collection Date:** 11/20/2014 12:15:00 PM  
**Received Date:** 11/21/2014 10:50:00 AM  
**Matrix:** WATER

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4325058	EITR				Work Order: M5KXG1AA			Report DB ID: 9M5KXG10				
Rn-222	<b>1.21E+03</b>		3.4E+01	7.8E+01	2.36E+01	pCi/L	100%	(51.)	11/22/14 06:59 a		0.01	LSC9
							1.12E+01	5.00E+01			L	
Batch: 4329027	RL-RA-001				Work Order: M5KXG1AC			Report DB ID: 9M5KXG10				
Ra-226	<b>9.10E-01</b>	J	1.2E-01	2.2E-01	1.15E-01	pCi/L	100%	(7.9)	12/15/14 09:32 p		0.5045	ASCGAB
							5.28E-02	1.00E+00			L	

No. of Results: 2      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.



FORM I

Date: 16-Dec-14

SAMPLE RESULTS

Lab Name: TestAmerica Inc  
 Lot-Sample No.: J4K200421-3  
 Client Sample ID: TRACT 4B SB-1(1-3)

SDG: 49026  
 Report No. : 63908  
 COC No. :

Collection Date: 11/19/2014 9:15:00 AM  
 Received Date: 11/20/2014 1:00:00 PM  
 Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4325046	RL-GAM-001				Work Order: M5KGV1AA		Report DB ID: 9M5KGV10					
RA-226	1.25E+00		1.7E-01	1.7E-01	4.67E-02	pCi/g		(26.7)	12/10/14 07:43 a		355.8	GER16\$1
							1.00E+00	(15.1)			g	

No. of Results: 1      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
 rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
 V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc  
 Lot-Sample No.: J4K200421-4  
 Client Sample ID: TRACT 4B SB-1(8-22)

SDG: 49026  
 Report No. : 63908  
 COC No. :

Collection Date: 11/19/2014 11:30:00 AM  
 Received Date: 11/20/2014 1:00:00 PM  
 Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4325046	RL-GAM-001				Work Order: M5KG01AA		Report DB ID: 9M5KG010					
RA-226	1.09E+00		1.7E-01	1.7E-01	4.97E-02	pCi/g		(22.)	12/10/14 07:43 a		261.2	GER17\$1
							1.00E+00	(12.8)			g	

No. of Results: 1      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
 rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
 V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

**Lab Name:** TestAmerica Inc  
**Lot-Sample No.:** J4K200421-5  
**Client Sample ID:** TRACT 4B TW-1(6-10)

**SDG:** 49026  
**Report No. :** 63908  
**COC No. :**

**Collection Date:** 11/19/2014 10:00:00 AM  
**Received Date:** 11/20/2014 1:00:00 PM  
**Matrix:** WATER

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4324034	EITR				Work Order: M5KG21AA		Report DB ID: 9M5KG210					
Rn-222	<b>3.86E+02</b>		2.1E+01	3.3E+01	2.60E+01	pCi/L	100%	(14.8)	11/21/14 03:38 a		0.01	LSC9
							1.24E+01	5.00E+01			L	
Batch: 4325047	RL-RA-001				Work Order: M5KG21AC		Report DB ID: 9M5KG210					
Ra-226	<b>6.46E-01</b>	J	2.7E-01	3.0E-01	3.62E-01	pCi/L	76%	(1.8)	12/10/14 07:51 p		0.5	ASC5UC
							1.58E-01	1.00E+00			L	

**No. of Results:** 2      **Comments:**

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc  
Lot-Sample No.: J4K210420-1  
Client Sample ID: TRACT 4C SB(42-46)

SDG: 49037  
Report No. : 63908  
COC No. :

Collection Date: 11/19/2014 4:45:00 PM  
Received Date: 11/21/2014 10:50:00 AM  
Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4329026	RL-GAM-001				Work Order: M5KXA1AA		Report DB ID: 9M5KXA10					
CS-137	-4.30E-02	U	4.4E-02	4.4E-02	7.07E-02	pCi/g		-0.61 -(2.)	12/11/14 11:48 p		61.6 g	GER6\$1
RA-226	5.32E-01	J	1.9E-01	1.9E-01	1.28E-01	pCi/g		(4.1) (5.6)	12/11/14 11:48 p		61.6 g	GER6\$1
							1.00E+00					

No. of Results: 2      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc  
 Lot-Sample No.: J4K200421-6  
 Client Sample ID: TRACT 4C SB-1(0-2)

SDG: 49026  
 Report No. : 63908  
 COC No. :

Collection Date: 11/19/2014 2:45:00 PM  
 Received Date: 11/20/2014 1:00:00 PM  
 Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4325046	RL-GAM-001				Work Order: M5KG31AA		Report DB ID: 9M5KG310					
RA-226	<b>8.14E-01</b>	J	1.1E-01	1.1E-01	4.02E-02	pCi/g		(20.2)	12/10/14 07:43 a		362.1	GER18\$1
							1.00E+00	(14.2)			g	

No. of Results: 1      Comments:

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
 rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
 V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

**FORM I**  
**SAMPLE RESULTS**

**Date:** 16-Dec-14

**Lab Name:** TestAmerica Inc  
**Lot-Sample No.:** J4K200421-7  
**Client Sample ID:** TRACT 4C TW-1(3-13)

**SDG:** 49026  
**Report No. :** 63908  
**COC No. :**

**Collection Date:** 11/19/2014 3:00:00 PM  
**Received Date:** 11/20/2014 1:00:00 PM  
**Matrix:** WATER

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4324034	EITR				Work Order: M5KG41AA		Report DB ID: 9M5KG410					
Rn-222	<b>6.52E+02</b>		2.6E+01	4.8E+01	2.58E+01	pCi/L	100%	(25.3)	11/21/14 07:08 a		0.01	LSC9
							1.23E+01	5.00E+01			L	
Batch: 4325047	RL-RA-001				Work Order: M5KG41AC		Report DB ID: 9M5KG410					
Ra-226	<b>6.57E+01</b>		1.9E+00	1.4E+01	5.86E-01	pCi/L	23%	(112.1)	12/11/14 10:40 a		0.5004	ASC8RE
							2.75E-01	1.00E+00			L	

**No. of Results:** 2      **Comments:**

TestAmerica Inc      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
rptSTLRchSample      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.  
V5.3.6.1 A2002      U Qual - Analyzed for but not detected above limiting criteria, Mdc/Mda/Mdl, Total Uncert, RDL or not identified by gamma scan software.

FORM II

Date: 16-Dec-14

DUPLICATE RESULTS

Lab Name: TestAmerica Inc      SDG: 49026      Collection Date: 11/18/2014 12:05:00 PM  
 Lot-Sample No.: J4K200421-1      Report No. : 63908      Received Date: 11/20/2014 1:00:00 PM  
 Client Sample ID: TRACT 4 SB-1(0-4) DUP      COC No. :      Matrix: SOLID

Parameter	Result, Orig Rst	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4325046	RL-GAM-001				Work Order: M5KGM1AC			Report DB ID: M5KGM1CR		Orig Sa DB ID: 9M5KGM10		
RA-226	1.62E+01		1.8E+00	1.8E+00	9.74E-02	pCi/g		(166.4)	12/10/14 07:42 a		283.1	GER11\$1
	1.76E+01			RER2 1.0			1.00E+00	(17.8)			g	

No. of Results: 1      Comments:

TestAmerica Inc      RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPuD))] as defined by ICPT BOA.  
 rptSTLRchDupV5.      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
 3.6.1 A2002

FORM II

Date: 16-Dec-14

DUPLICATE RESULTS

Lab Name: TestAmerica Inc

SDG: 49017

Collection Date: 11/18/2014 2:00:00 PM

Lot-Sample No.: J4K190429-1

Report No. : 63908

Received Date: 11/19/2014 12:05:00 PM

Client Sample ID: TRACT 4 TW-1(8-12) DUP

COC No. :

Matrix: WATER

Parameter	Result, Orig Rst	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4323055	EITR				Work Order: M5J791AD	Report DB ID: M5J791DR			Orig Sa DB ID: 9M5J7910			
Rn-222	9.44E+02		3.3E+01	5.6E+01	2.77E+01	pCi/L	100%	(34.1)	11/20/14 10:14 p		0.01	LSC8
	1.24E+03			RER2 6.6		5.00E+01		(34.)			L	

No. of Results: 1    Comments:

TestAmerica Inc    RER2    - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.  
 rptSTLRchDupV5.    MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
 3.6.1 A2002



FORM II

Date: 16-Dec-14

DUPLICATE RESULTS

Lab Name: TestAmerica Inc      SDG: 49037      Collection Date: 11/20/2014 12:15:00 PM  
 Lot-Sample No.: J4K210420-4      Report No. : 63908      Received Date: 11/21/2014 10:50:00 AM  
 Client Sample ID: TRACT 4A TW-1(8-12) DUP      COC No. :      Matrix: WATER

Parameter	Result, Orig Rst	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4325058	EITR				Work Order: M5KXG1AD	Report DB ID: M5KXG1DR			Orig Sa DB ID: 9M5KXG10			
Rn-222	1.24E+03		3.5E+01	8.0E+01	2.40E+01	pCi/L	100%	(51.8)	11/22/14 08:44 a		0.01	LSC9
	1.21E+03				RER2 0.6	5.00E+01		(31.)			L	
Batch: 4329027	RL-RA-001				Work Order: M5KXG1AE	Report DB ID: M5KXG1ER			Orig Sa DB ID: 9M5KXG10			
Ra-226	1.41E+00		2.1E-01	3.9E-01	2.27E-01	pCi/L	96%	(6.2)	12/15/14 09:32 p		0.3384	ASCHMA
	9.10E-01	J			RER2 2.2	1.00E+00		(7.2)			L	

No. of Results: 2      Comments:

TestAmerica Inc      RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPuD))] as defined by ICPT BOA.  
 rptSTLRchDupV5.      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
 3.6.1 A2002      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.

FORM II

Date: 16-Dec-14

DUPLICATE RESULTS

Lab Name: TestAmerica Inc      SDG: 49026      Collection Date: 11/19/2014 10:00:00 AM  
 Lot-Sample No.: J4K200421-5      Report No. : 63908      Received Date: 11/20/2014 1:00:00 PM  
 Client Sample ID: TRACT 4B TW-1(6-10) DUP      COC No. :      Matrix: WATER

Parameter	Result, Orig Rst	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 4324034	EITR				Work Order: M5KG21AD	Report DB ID: M5KG21DR			Orig Sa DB ID: 9M5KG210			
Rn-222	3.52E+02		2.1E+01	3.1E+01	2.64E+01	pCi/L	100%	(13.3)	11/21/14 05:23 a		0.01	LSC9
	3.86E+02		RER2 1.5			5.00E+01		(22.4)			L	
Batch: 4325047	RL-RA-001				Work Order: M5KG21AE	Report DB ID: M5KG21ER			Orig Sa DB ID: 9M5KG210			
Ra-226	7.03E-01	J	3.3E-01	3.7E-01	4.88E-01	pCi/L	94%	(1.4)	12/10/14 07:52 p		0.367	ASC7UA
	6.46E-01	J	RER2 0.2			1.00E+00		(3.8)			L	

No. of Results: 2      Comments:

TestAmerica Inc      RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPuD))] as defined by ICPT BOA.  
 rptSTLRchDupV5.      MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.  
 3.6.1 A2002      J Qual - No U or < qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.



**FORM II**  
**BLANK RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc

SDG: 49026

Matrix: SOLID

Report No. : 63908

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Lc	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
<b>Batch:</b> 4325046	RL-GAM-001											
RA-226	7.91E-02	J	3.3E-02	3.3E-02	2.98E-02	pCi/g		(2.7)	12/10/14 07:43 a		348.0	GER19\$1
						1.00E+00		(4.8)			g	
<b>Batch:</b> 4329026	RL-GAM-001											
CS-137	-1.00E-02	U	2.3E-02	2.3E-02	3.95E-02	pCi/g		-0.25	12/12/14 06:59 a		52.0	GER18\$1
								-0.87			g	
RA-226	1.15E-01	U	8.2E-02	8.2E-02	1.32E-01	pCi/g		0.87	12/12/14 06:59 a		52.0	GER18\$1
						1.00E+00		(2.8)			g	

No. of Results: 3

Comments:

**FORM II**  
**BLANK RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc

SDG: 49026

Matrix: WATER

Report No. : 63908

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert( 2 s)	MDL, Lc	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
<b>Batch:</b> 4325047	RL-RA-001											
Ra-226	-5.49E-02	U	1.4E-01	1.4E-01	3.20E-01	pCi/L	91%	-0.17	12/10/14 07:51 p		0.5008	ASCMMA
					1.43E-01	1.00E+00		-0.77			L	
<b>Batch:</b> 4329027	RL-RA-001											
Ra-226	5.90E-02	U	7.6E-02	7.8E-02	1.43E-01	pCi/L	89%	0.41	12/15/14 09:33 p		0.5019	ASCKMF
					6.60E-02	1.00E+00		(1.5)			L	
<b>Batch:</b> 4323055	EITR											
Rn-222	-2.40E-01	U	9.0E+00	9.8E+00	2.19E+01	pCi/L	100%	-0.01	11/20/14 04:54 p		0.01	LSC8
					1.04E+01	5.00E+01		-0.05			L	
<b>Batch:</b> 4324034	EITR											
Rn-222	3.85E+00	U	8.6E+00	1.0E+01	2.04E+01	pCi/L	100%	0.19	11/21/14 12:08 a		0.01	LSC9
					9.72E+00	5.00E+01		0.77			L	
<b>Batch:</b> 4325058	EITR											
Rn-222	-1.75E+00	U	7.8E+00	8.9E+00	1.91E+01	pCi/L	100%	-0.09	11/22/14 03:30 a		0.01	LSC9
					9.07E+00	5.00E+01		-0.39			L	

No. of Results: 5

Comments:



**FORM II**  
**LCS RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc

SDG: 49026

Matrix: WATER

Report No. : 63908

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert(2 s)	MDL	Report Unit	Yield	Expected	Expected Uncert	Recovery, Bias	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 4325047	RL-RA-001					Work Order: M5KWT1AC		Report DB ID: M5KWT1CS					
Ra-226	2.40E+00		4.0E-01	7.0E-01	3.61E-01	pCi/L	87%	2.81E+00	3.12E-02	86%	12/11/14 10:39 a	0.5004	ASCPMC
							Rec Limits:	75	125	-0.1		L	
Batch: 4329027	RL-RA-001					Work Order: M5LG91AC		Report DB ID: M5LG91CS					
Ra-226	2.96E+00		2.5E-01	6.3E-01	1.65E-01	pCi/L	100%	2.81E+00	3.12E-02	105%	12/15/14 09:33 p	0.5006	ASCPMA
							Rec Limits:	70	130	0.1		L	
Batch: 4323055	EITR					Work Order: M5J8A1AC		Report DB ID: M5J8A1CS					
Rn-222	5.02E+03		6.4E+01	2.4E+02	2.22E+01	pCi/L	100%	5.56E+03	5.67E+01	90%	11/20/14 06:39 p	0.01	LSC8
							Rec Limits:	75	125	-0.1		L	
Batch: 4323055	EITR					Work Order: M5J8A1AE		Report DB ID: M5J8A1ES					
Rn-222	5.22E+03		6.7E+01	2.5E+02	2.31E+01	pCi/L	100%	5.80E+03	5.91E+01	90%	11/20/14 11:59 p	0.01	LSC8
							Rec Limits:	75	125	-0.1		L	
Batch: 4324034	EITR					Work Order: M5KG61AC		Report DB ID: M5KG61CS					
Rn-222	4.32E+03		5.5E+01	2.5E+02	2.06E+01	pCi/L	100%	4.89E+03	4.99E+01	88%	11/21/14 01:53 a	0.01	LSC9
							Rec Limits:	75	125	-0.1		L	
Batch: 4324034	EITR					Work Order: M5KG61AE		Report DB ID: M5KG61ES					
Rn-222	4.45E+03		5.8E+01	2.6E+02	2.18E+01	pCi/L	100%	5.21E+03	5.31E+01	86%	11/21/14 08:53 a	0.01	LSC9
							Rec Limits:	75	125	-0.1		L	
Batch: 4325058	EITR					Work Order: M5KXQ1AC		Report DB ID: M5KXQ1CS					
Rn-222	3.66E+03		5.2E+01	2.1E+02	1.93E+01	pCi/L	100%	5.17E+03	5.28E+01	71%	11/22/14 05:14 a	0.01	LSC9
							Rec Limits:	75	125	-0.3		L	
Batch: 4325058	EITR					Work Order: M5KXQ1AE		Report DB ID: M5KXQ1ES					

TestAmerica Inc Bias - (Result/Expected)-1 as defined by ANSI N13.30.

rptSTLRchLcs  
V5.3.6.1 A2002

**FORM II**  
**LCS RESULTS**

Date: 16-Dec-14

Lab Name: TestAmerica Inc

SDG: 49037

Matrix: WATER

Report No. : 63908

Parameter	Result	Qual	Count Error ( 2 s)	Total Uncert(2 s)	MDL	Report Unit	Yield	Expected	Expected Uncert	Recovery, Bias	Analysis, Prep Date	Aliquot Size	Primary Detector
Rn-222	3.75E+03		5.4E+01	2.2E+02	2.04E+01	pCi/L	100%	5.39E+03	5.49E+01	70%	11/22/14 12:14 p	0.01	LSC9
							Rec Limits:	75	125	-0.3			

No. of Results: 8

Comments:





Sample Check-in List

Date/Time Received: 11/19/14 1705 Container GM Screen Result: (Airlock) 40 cpm Initials [J]
Sample GM Screen Result (Sample Receiving) 20 cpm Initials [J]
Client: SR SR S&ME SDG #: 49017 SAF #: NA [J]

Lot Number: J4K190429

Chain of Custody # N/A

Shipping Container ID or Air Bill Number : NA [J]

Samples received inside shipping container/cooler/box Yes [J] Continue with 1 through 4. Initial appropriate response. No [ ] Go to 5, add comment to #16.

- 1. Custody Seals on shipping container intact? Yes [J] No [ ] No Custody Seal [ ]
2. Custody Seals dated and signed? Yes [J] No [ ] No Custody Seal [ ]
3. Cooler temperature: 1.1 °C NA [ ]
4. Vermiculite/packing materials is NA [ ] Wet [ ] Dry [J]

Item 5 through 16 for samples. Initial appropriate response.

- 5. Chain of Custody record present? Yes [J] No [ ]
6. Number of samples received (Each sample may contain multiple bottles): 1
7. Containers received: 2 x vial 40; 1 x IP

- 8. Sample holding times exceeded? NA [ ] Yes [ ] No [J]
9. Samples have: tape hazard labels custody seals appropriate sample labels
10. Matrix: A (FLT, Wipe, Solid, Soil) J I (Water) S (Air, Niosh 7400) T (Biological, Ni-63)

11. Samples: J are in good condition are leaking are broken
have air bubbles (Only for samples requiring no head space) Other

12. Sample pH appropriate for analysis requested Yes [ ] No [ ] NA [ ]
(If acidification is necessary go to pH area & document sample ID, initial pH, amount of HNO3 added and pH after addition on table)

- 13. Were any anomalies identified in sample receipt? Yes [ ] No [J]
14. Description of anomalies (include sample numbers): NA [J]

15. Sample Location, Sample Collector Listed on COC? \* Yes [ ] No [J]
\*For documentation only. No corrective action needed.

16. Additional Information: Chain say 3 containers N/A
JP 11/19/14

[ ] Client/Courier denied temperature check. [ ] Client/Courier unpack cooler.

Sample Check-in List completed by Sample Custodian:
Signature: [Signature] Date: 11/19/14

Client Notification needed? Yes [ ] No [ ] Date:
By:
Person contacted:

[ ] No action necessary, process as is
Project Manager [Signature] Date: 11/19/14



**Chain of Custody Record**

**TestAmerica Laboratory location:** RICHLAND 2800 George Washington Way, Richland, WA 99354 Phone: 509-375-3131 Fax: 509-375-5590

**Client Contact**  
 Company Name: S&ME  
 Address: 620 Wando Park Road  
 City/State/Zip: Mt. Pleasant, SC 29464  
 Phone: 843-884-0005  
 Project Name: FORT ACCESS ROAD  
 Project Number: 1131-08-554  
 PO #: 38809

**Regulatory program:**  DW  NPDES  RCRA  Other  
**Client Project Manager:** Mary Beth Cline  
 Telephone: 843-884-0005  
 Email: mcline@meinc.com

**Site Contact:** Telephone: \_\_\_\_\_  
**Lab Contact:** Telephone: \_\_\_\_\_  
**COC No.:** \_\_\_\_\_ of \_\_\_\_\_ COC  
**Analysis:**  
 Filtered Sample (Y/N) \_\_\_\_\_  
 RADON 222 EPA 913.0 \_\_\_\_\_  
 RADIUM 226 EPA 903.1/ALPHA S \_\_\_\_\_  
 GAMMA HASL-300/ GAMMA SPEC \_\_\_\_\_

**Analysis Turnaround Time:**  
 TAT if different from below:  
 Standard  20 Business Days  
 10 Business Days  
 7 Business Days  
 5 Business Days  
 3 Business Days

Sample Identification	Sample Date	Sample Time	Matrix				# of Cont	Containers & Preservatives					Sample Specific Notes / Special Instructions:		
			Air	Aqueous	Sediment	Solid		Other:	HNO3	HCl	NaOH	ZnAc		NaOH	Ultraps
TRACT 4 SB-1 (0-4)	11.18.14	1205		X		X	1								MSK6M
TRACT 4 SB-1 (4-8)	11.18.14	1215		X		X	1								MSK6Q
TRACT 4B SB-1 (1-3)	11.19.14	0915		X		X	1								MSK6V
TRACT 4B SB-1 (18-22)	11.19.14	1130		X		X	1								MSK6O
TRACT 4B TW-1 (6-10)	11.19.14	1000	X			X	3								MSK6Z
TRACT 4C SB-1 (0-2)	11.19.14	1445		X		X	1								MSK6B
TRACT 4C TW-1 (3-13)	11.19.14	1500	X			X	3								MSK6Y

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Irritant  
**Special Instructions/QC Requirements & Comments:**

**Relinquished by:** Mary Beth Cline  
 Date/Time: 11.19.14/1630  
**Relinquished by:** [Signature]  
 Date/Time: 11.19.14/1815  
**Relinquished by:** [Signature]  
 Date/Time: 11.19.14/1300

Fed ex 7 Test America  
Richland



Sample Check-in List

Date/Time Received: 11-20-14 / 1300 Container GM Screen Result: (Airlock) 20 cpm Initials [B]
Sample GM Screen Result (Sample Receiving) 20 cpm Initials [B]

Client: SAME SDG #: 49026 SAF #: NA [B]

Lot Number: J4K200421

Chain of Custody # N/A

Shipping Container ID or Air Bill Number : NA [B]

Samples received inside shipping container/cooler/box Yes [B] ] Continue with 1 through 4. Initial appropriate response.
No [ ] ] Go to 5, add comment to #16.

- 1. Custody Seals on shipping container intact? Yes [B] ] No [ ] ] No Custody Seal [ ] ]
2. Custody Seals dated and signed? Yes [B] ] No [ ] ] No Custody Seal [ ] ]
3. Cooler temperature: 1.8 °C NA [ ] ]
4. Vermiculite/packing materials is NA [ ] ] Wet [B] Ice Dry [ ] ]

Item 5 through 16 for samples. Initial appropriate response.

- 5. Chain of Custody record present? Yes [B] ] No [ ] ]
6. Number of samples received (Each sample may contain multiple bottles): 7
7. Containers received: 4 x vial 20; 7 x LP
40 [B] 11-20-14

- 8. Sample holding times exceeded? NA [ ] ] Yes [ ] ] No [B] ]
9. Samples have: tape hazard labels custody seals [B] appropriate sample labels
10. Matrix: [B] A (FLT, Wipe, Solid, Soil) [B] I (Water) S (Air, Niosh 7400) T (Biological, Ni-63)

- 11. Samples: [B] are in good condition are leaking are broken
[B] have air bubbles (Only for samples requiring no head space) Other

12. Sample pH appropriate for analysis requested Yes [B] ] No [B] ] NA [B] 11-21-14
(If acidification is necessary go to pH area & document sample ID, initial pH, amount of HNO3 added and pH after addition on table)

13. Were any anomalies identified in sample receipt? Yes [ ] ] No [B] ]

14. Description of anomalies (include sample numbers): NA [B] ]

15. Sample Location, Sample Collector Listed on COC? \* Yes [ ] ] No [B] ]
\*For documentation only. No corrective action needed.

16. Additional Information: N/A

[ ] Client/Courier denied temperature check. [ ] Client/Courier unpack cooler.

Sample Check-in List completed by Sample Custodian:

Signature: [Signature] Date: 11-20-14

Client Notification needed? Yes [ ] No [ ] Date:
By:
Person contacted:

[X] No action necessary; process as is

Project Manager [Signature] Date 11/21/14







# Chain of Custody Record

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

**TestAmerica Laboratory Location:** RICHLAND 2800 George Washington Way, Richland, WA 99354 Phone: 509-375-3131 Fax: 509-375-5590

**Client Contact**  
Company Name: S&ME  
Address: 620 Wando Park Road  
City/State/Zip: Mt. Pleasant, SC 29464  
Phone: 843-884-0005  
Project Name: FORT ACCESS ROAD  
Project Number: 1151-08-554  
PO #: 38809

**Regulatory program:**  DW  NPDES  RCRA  Other

**Client Project Manager:** Mary Beth Cline  
**Telephone:** 843-884-0005  
**Email:** mccline@semeinc.com

**Site Contact:** Mary Beth Cline  
**Telephone:** 843-884-0005  
**Email:** mccline@semeinc.com

**Analysis turnaround time:**  
 20 Business Days  
 10 Business Days  
 7 Business Days  
 5 Business Days  
 3 Business Days

**Method of Shipment/Carrier:**  
 Standard  
 TAT fulfillment from lab

**Shipping/Tracking No:** 38809

Sample Identification	Sample Date	Sample Time	Matrix							Containers & Preservatives	Filtered Sample (Y/N)	RADON 222 EPA 913.0	RADUM 226 EPA 903.11 ALPHA SQ	GAMMA HASL-300/ GAMMA SPEQ	Analyses	COC No:	
			Air	Aqueous	Sediment	Solid	Other	# of Cont	HCl								NaOH
TRACT 4C SB-1 (42-46)	11.19.14	1645			X												
TRACT 4A SB-1 (0-2)	11.20.14	0945			X												
TRACT 4A SB-1 (32-36)	11.20.14	1200			X												
TRACT 4A TW-1 (8-12)	11.20.14	1215		X													
TRACT 4 SB-2 (0-2)	11.20.14	1415		X													
TRACT 4 SB-2 (40-44)	11.20.14	1540		X													
TRACT 4 TW-2 (4-14)	11.20.14	1515		X													



**Possible Hazard Identification:**  Non-Hazard  Irritant  Corrosive  Volatile  Flammable  Toxic

**Sample Disposal:** (A fee may be assessed if samples are retained longer than 1 month)  
 Return to Client  Display By Lab  Arcfil For

**Relinquished by:** Mary Beth Cline  
**Relinquished by:** *[Signature]*  
**Relinquished by:** *[Signature]*

**Company:** S&ME, Inc. **Date/Time:** 11.20.14/1630  
**Company:** Test America **Date/Time:** 11.20.14/1840  
**Company:** Test America **Date/Time:** 11.21.14/1050

**Received by:** *[Signature]* **Date/Time:** 11.20.14/1630  
**Received by:** *[Signature]* **Date/Time:** 11.21.14/1050  
**Received in laboratory by:** *[Signature]* **Date/Time:** 11.21.14/1050

**Company:** Test America  
**Company:** Test America  
**Company:** Test America

**Notes:** Fedex 7 TestAmerica Richmond

Sample Check-in List

Date/Time Received: 11-21-14/1050 Container GM Screen Result: (Airlock) 20 cpm Initials [ ]  
Sample GM Screen Result (Sample Receiving) 20 cpm Initials [ ]

Client: SAME SDG #: 49037 SAF #: NA [ ]

Lot Number: J4K210420

Chain of Custody # w/a

Shipping Container ID or Air Bill Number : NA [ ]

Samples received inside shipping container/cooler/box Yes [ ] Continue with 1 through 4. Initial appropriate response.  
No [ ] Go to 5, add comment to #16.

- 1. Custody Seals on shipping container intact? Yes [ ] No [ ] No Custody Seal [ ]
- 2. Custody Seals dated and signed? Yes [ ] No [ ] No Custody Seal [ ]
- 3. Cooler temperature: 2.2 °C NA [ ]
- 4. Vermiculite/packing materials is NA [ ] Wet [ ] Ice Dry [ ]

- Item 5 through 16 for samples. Initial appropriate response.
- 5. Chain of Custody record present? Yes [ ] No [ ]
- 6. Number of samples received (Each sample may contain multiple bottles): 7
- 7. Containers received: 4x vial 40; 7x 4p.

- 8. Sample holding times exceeded? NA [ ] Yes [ ] No [ ]
- 9. Samples have: tape hazard labels custody seals appropriate sample labels
- 10. Matrix: A (FLT, Wipe, Solid, Soil) I (Water) S (Air, Niosh 7400) T (Biological, Ni-63)

11. Samples: are in good condition are leaking are broken  
have air bubbles (Only for samples requiring no head space) Other

12. Sample pH appropriate for analysis requested Yes [ ] No [ ] NA [ ]  
(If acidification is necessary go to pH area & document sample ID, initial pH, amount of HNO3 added and pH after addition on table)

- 13. Were any anomalies identified in sample receipt? Yes [ ] No [ ]
- 14. Description of anomalies (include sample numbers): NA [ ]

15. Sample Location, Sample Collector Listed on COC? \* Yes [ ] No [ ]  
\*For documentation only. No corrective action needed.

16. Additional Information: w/a

[ ] Client/Courier denied temperature check. [ ] Client/Courier unpack cooler.

Sample Check-in List completed by Sample Custodian:  
Signature: Date: 11-21-14

Client Notification needed? Yes [ ] No [ ] Date: \_\_\_\_\_  
By: \_\_\_\_\_  
Person contacted: \_\_\_\_\_

No action necessary, process as is  
Project Manager: Date: 11/24/14

Lot Number: \_\_\_\_\_ SDG #: \_\_\_\_\_

17. RPL ID # of preservative used  
: \_\_\_\_\_

SAMPLE ID	DATE & TIME SAMPLED	DATE & TIME PRESERVED	< 5 DAYS? Y or N	Initial pH	Acid Amt	Final pH
4A TW-1(8-12)	11-20-14 / 1215	11-21-14 / 1315	Y	4.5	1mL	< 2
4 TW-2(4-14)	11-20-14 / 1515	1 1	Y	1	1	1

Sample Custodian: J. Boeck Date: 11-21-14